

FIG. 1

Tesla, Inc. v. Nikola Corporation
US Patent 10,077,084
Tesla Ex. 1003

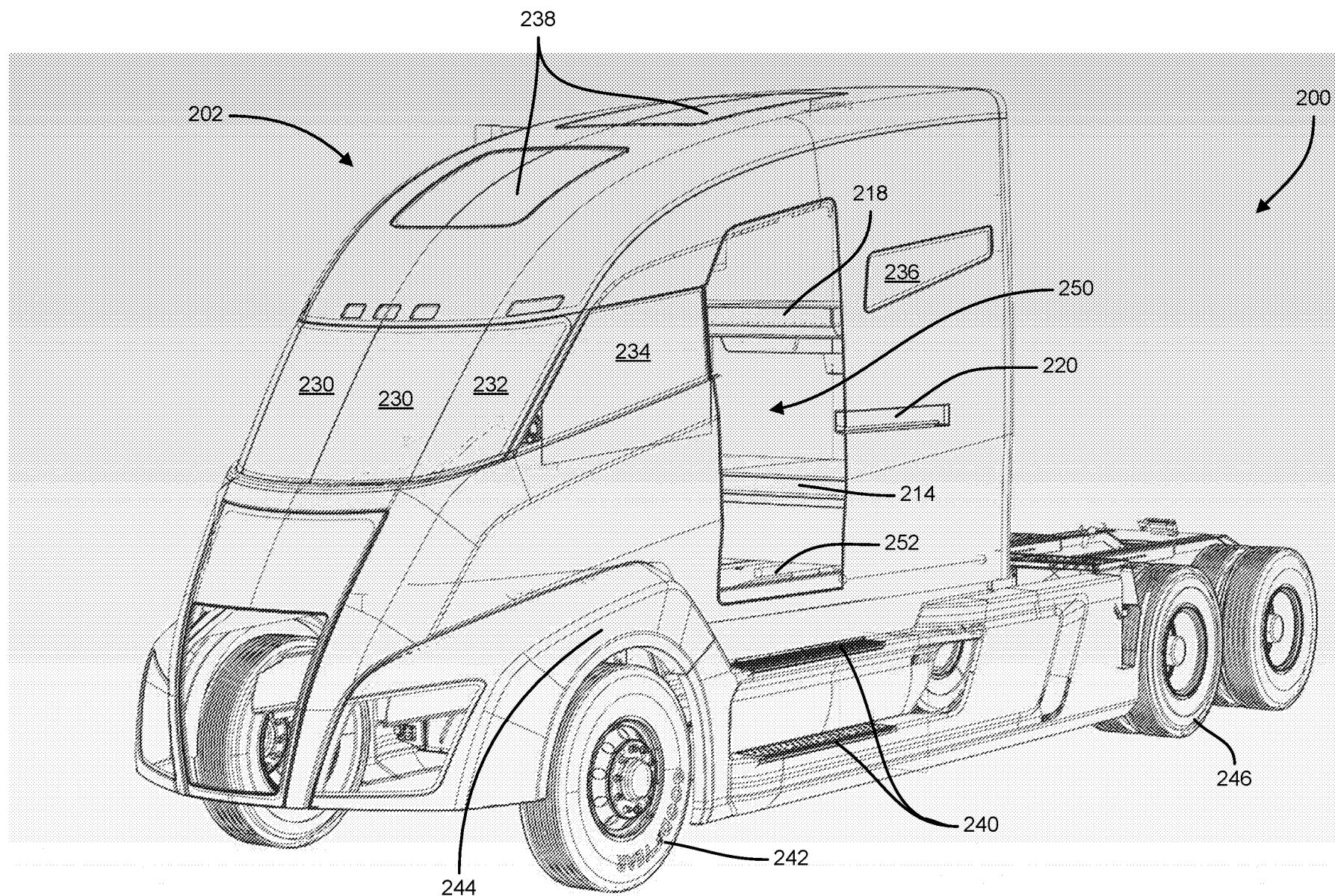


FIG. 2

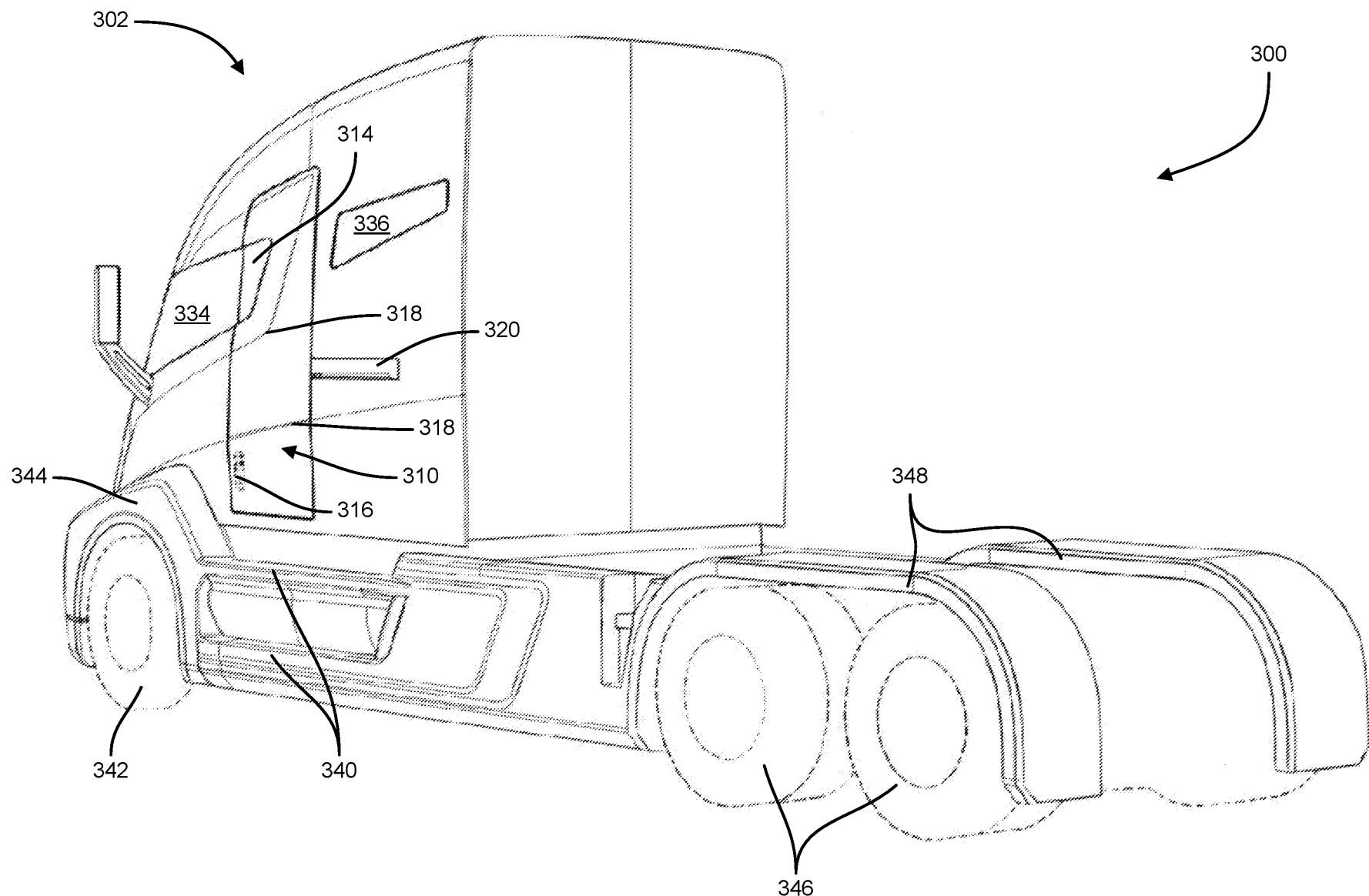


FIG. 3

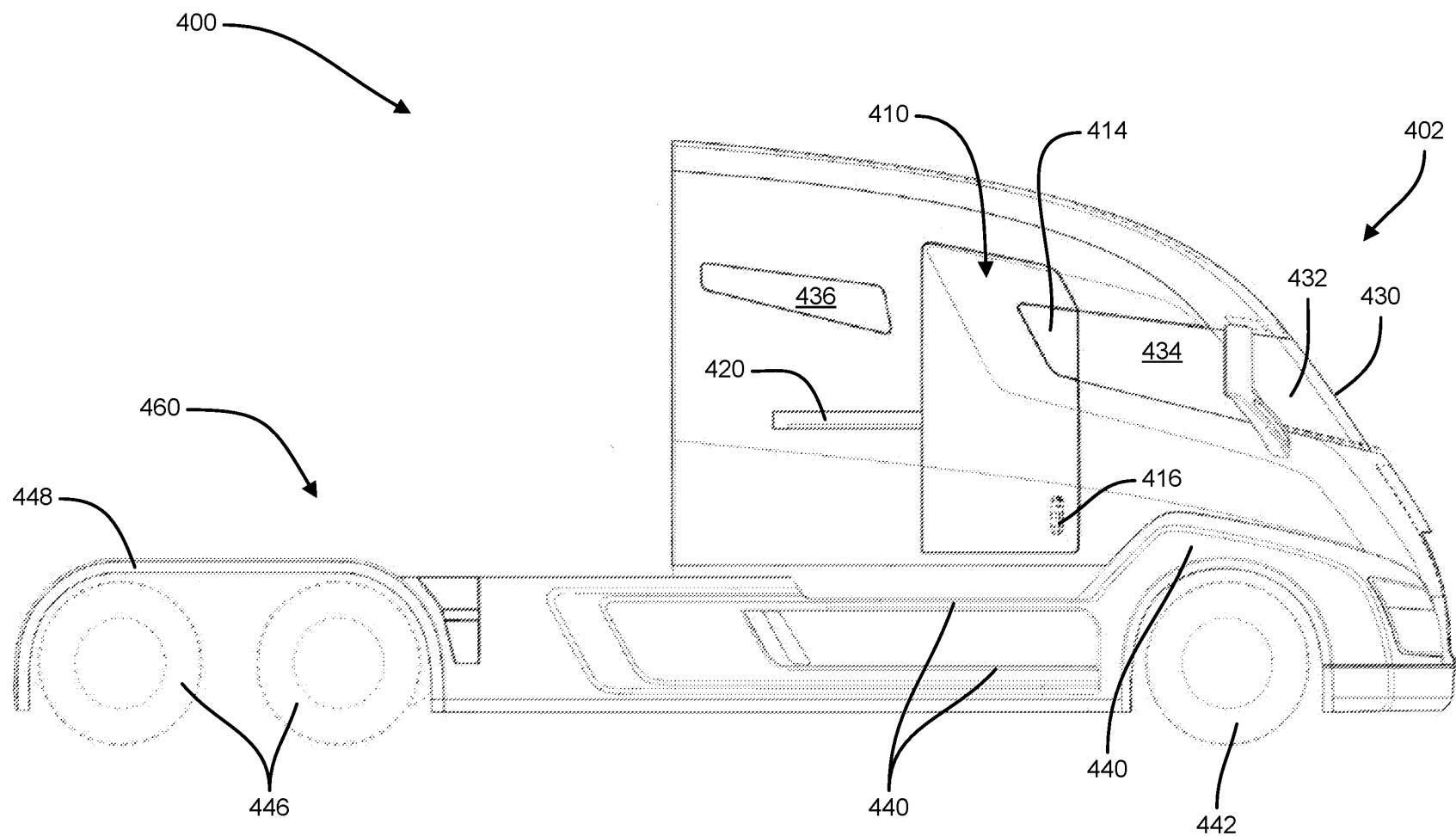


FIG. 4

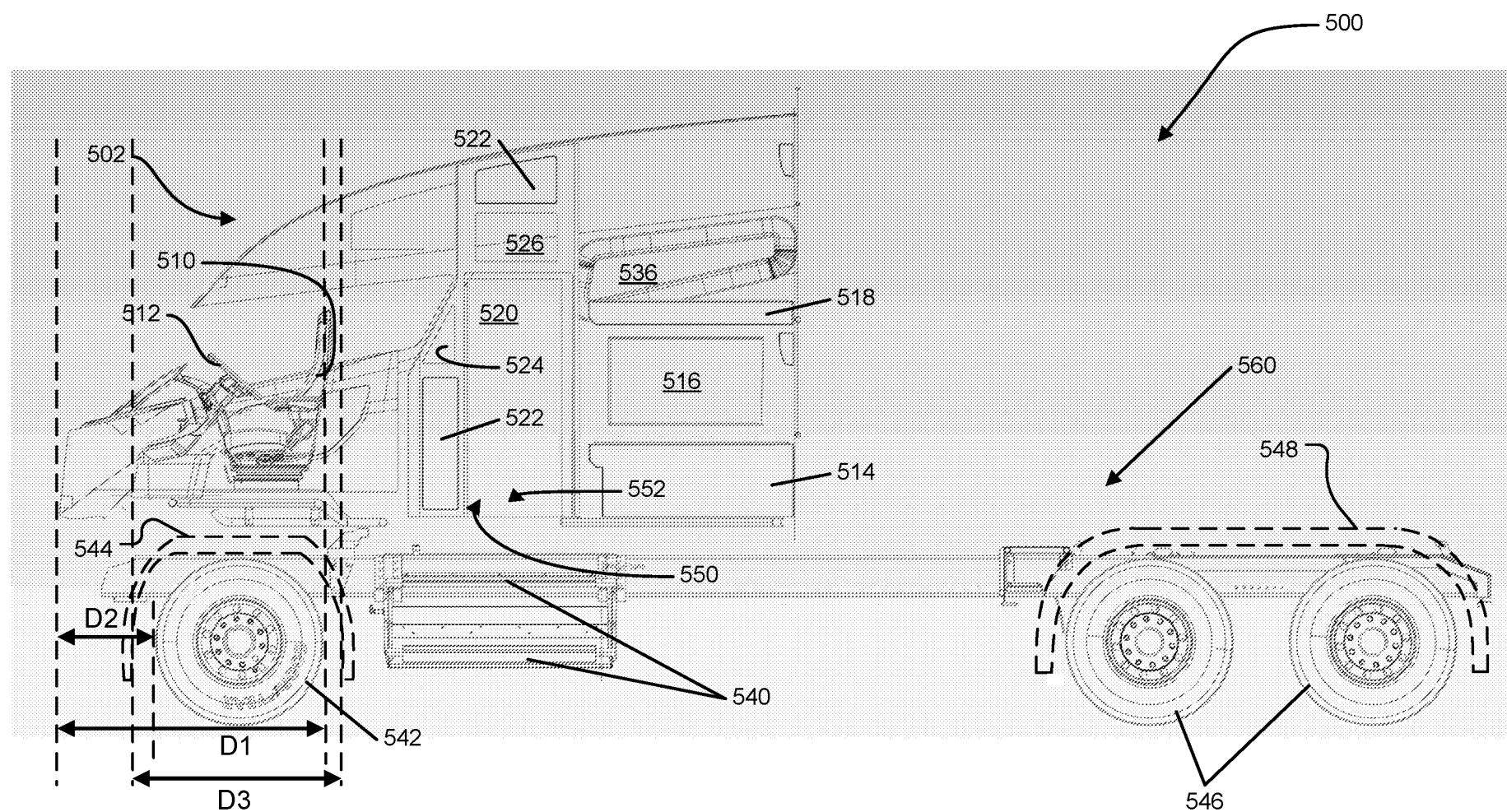
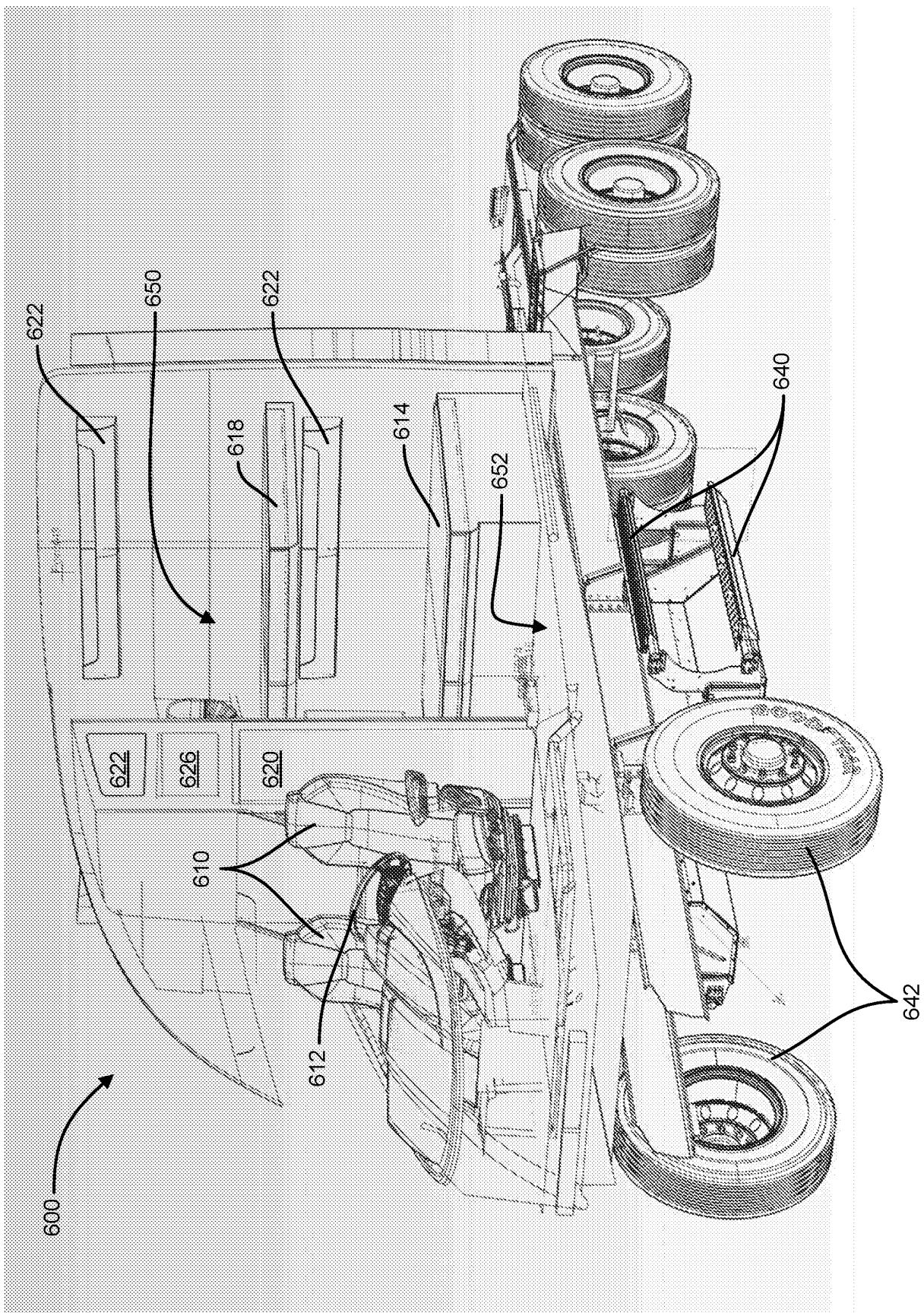


FIG. 5

FIG. 6



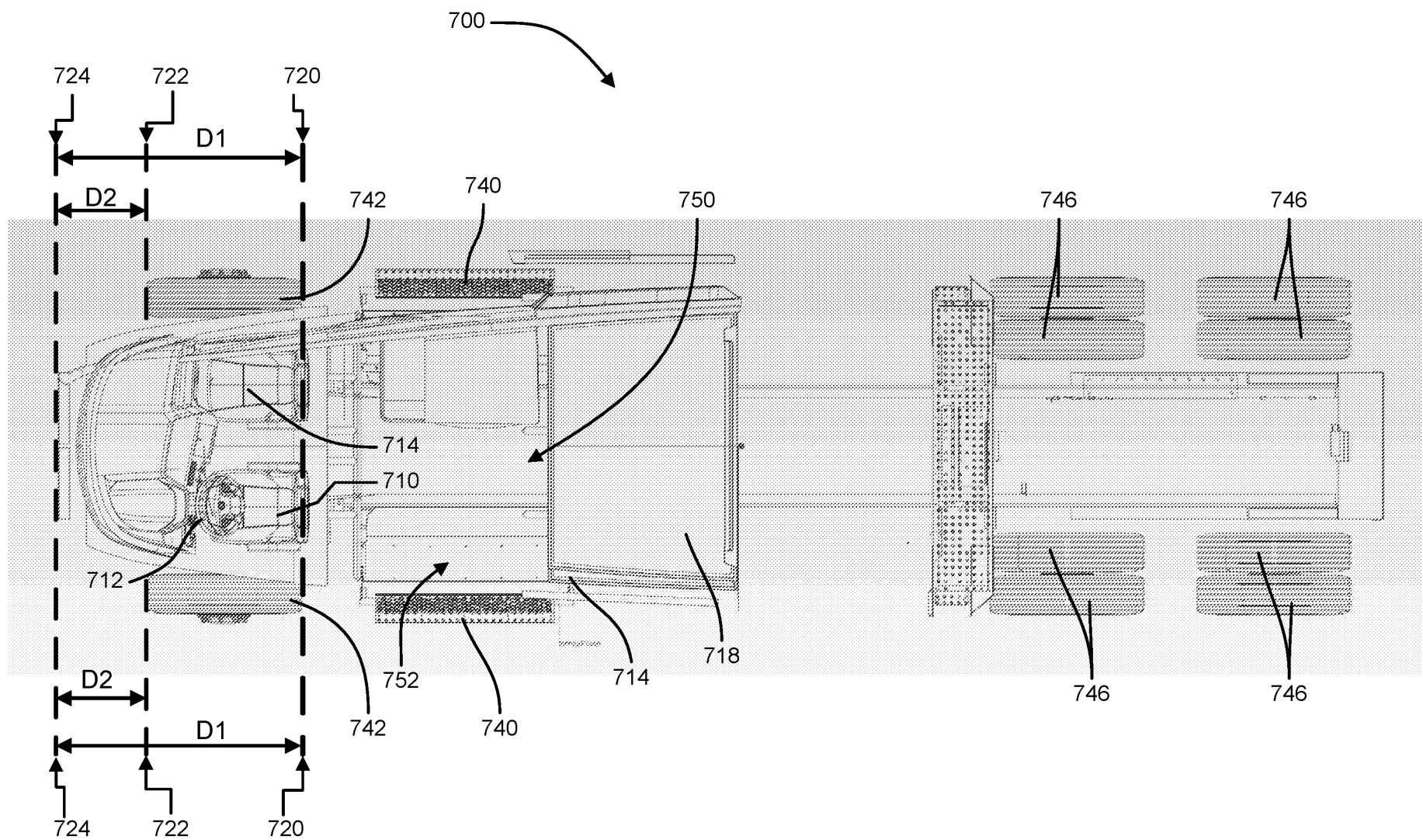


FIG. 7

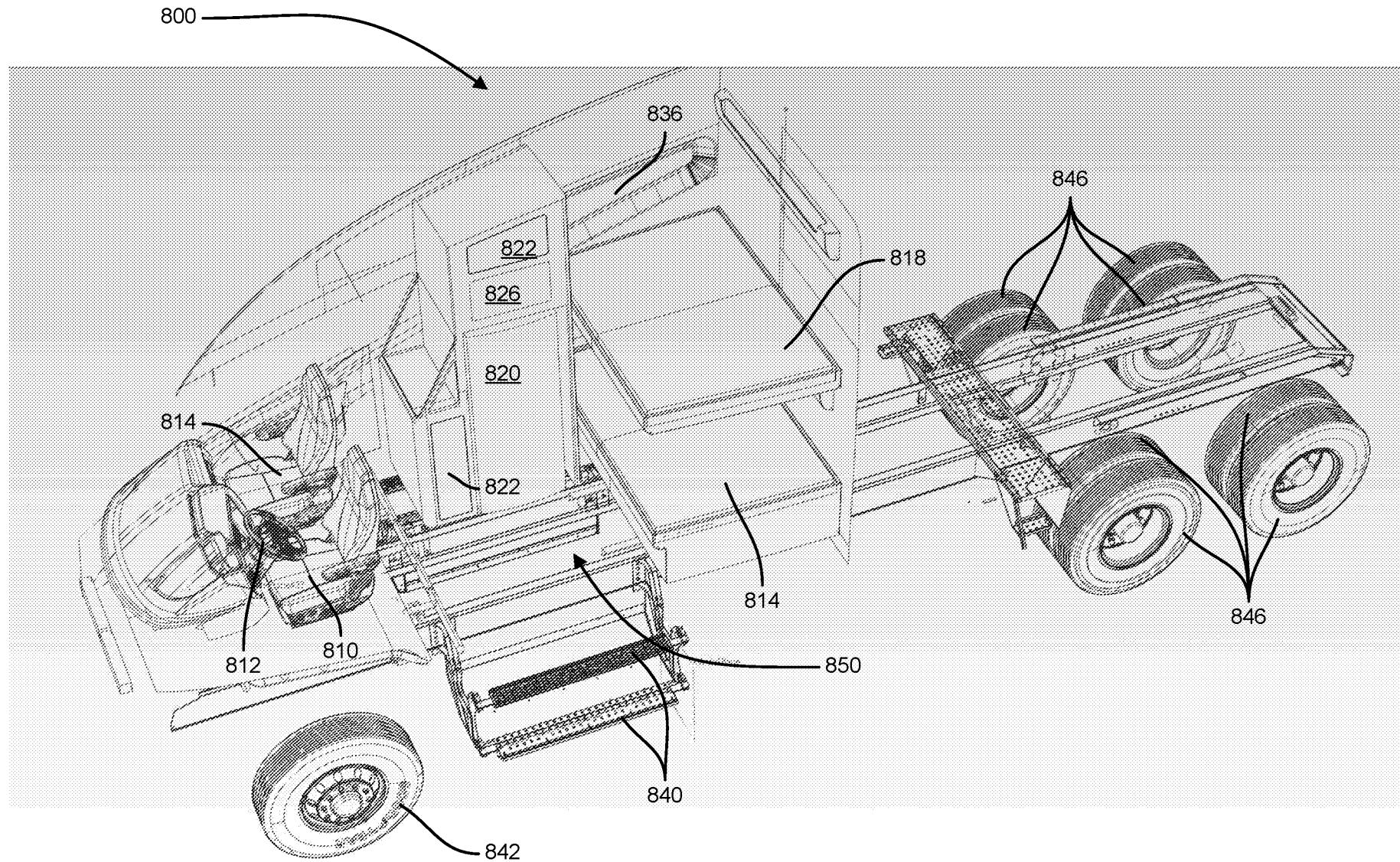


FIG. 8

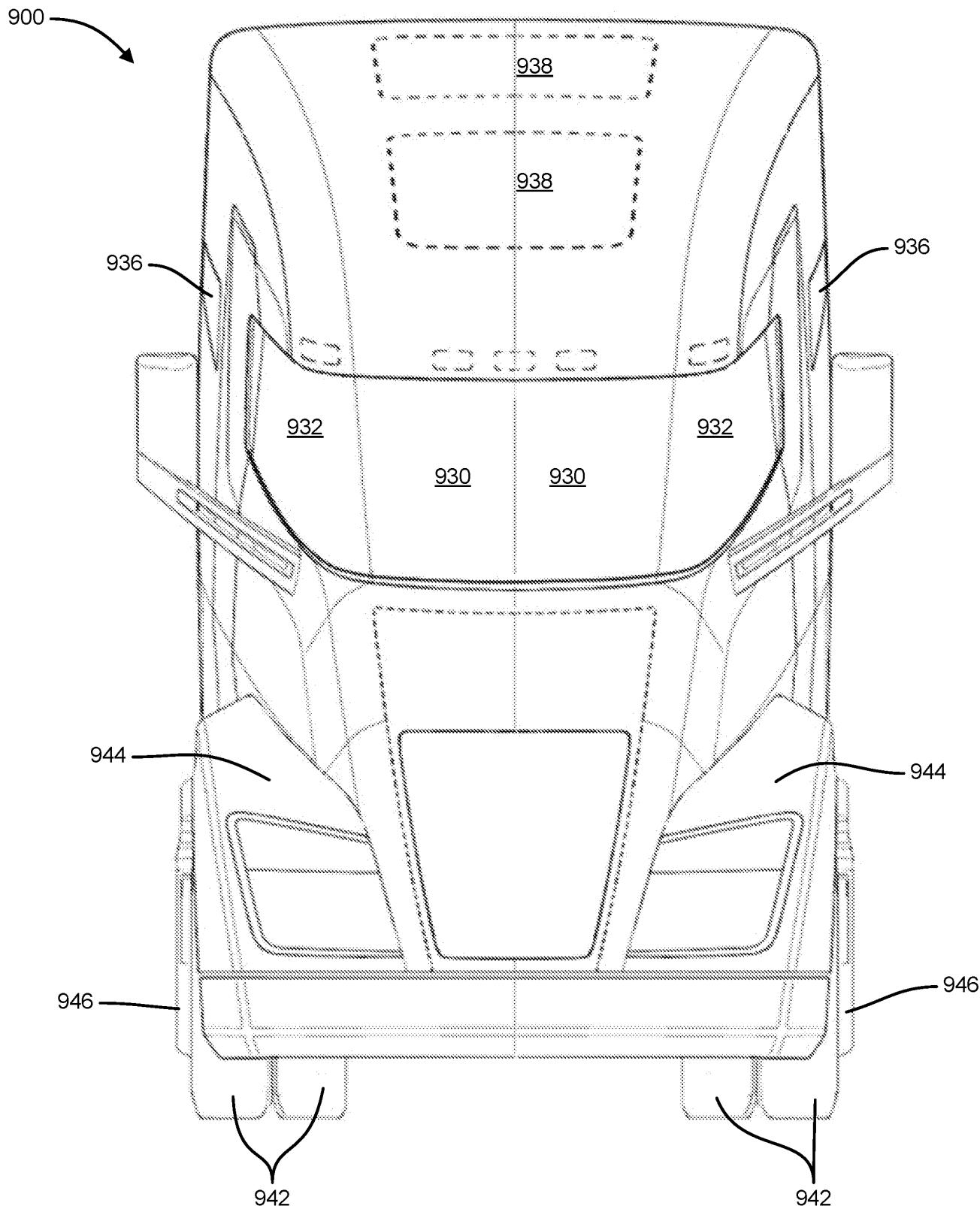


FIG. 9

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2:

<input type="checkbox"/> Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--

Inventor Information:

Inventor 1				<input type="button" value="Remove"/>
Legal Name				
Prefix	Given Name	Middle Name	Family Name	Suffix
<input type="button" value="▼"/>	Trevor	R.	Milton	<input type="button" value="▼"/>
Residence Information (Select One) <input checked="" type="radio"/> US Residency Non US Residency Active US Military Service				
City	Salt Lake City	State/Province	UT	Country of Residence
				US

Mailing Address of Inventor:

Address 1	4594 South Westview Drive			
Address 2				
City	Salt Lake City	State/Province	UT	
Postal Code	84124	Country	i US	
Inventor 2				<input type="button" value="Remove"/>
Legal Name				

Prefix	Given Name	Middle Name	Family Name	Suffix
<input type="button" value="▼"/>	Steve		Jennes	<input type="button" value="▼"/>
Residence Information (Select One) <input checked="" type="radio"/> US Residency Non US Residency Active US Military Service				
City	Fullerton	State/Province	CA	Country of Residence
				US

Mailing Address of Inventor:

Address 1	1223 West Gage Ave.			
Address 2				
City	Fullerton	State/Province	CA	
Postal Code	92833	Country	i US	
Inventor 3				<input type="button" value="Remove"/>
Legal Name				

Prefix	Given Name	Middle Name	Family Name	Suffix
<input type="button" value="▼"/>	Markus		Scholten	<input type="button" value="▼"/>
Residence Information (Select One) <input checked="" type="radio"/> US Residency Non US Residency Active US Military Service				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP	
		Application Number		
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW			
City	Irvine	State/Province	CA	Country of Residence
Mailing Address of Inventor:				
Address 1	183 Gitano			
Address 2				
City	Irvine	State/Province	CA	
Postal Code	92618	Country	i	US
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.				
<input type="button" value="Add"/>				

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).				
<input type="checkbox"/> An Address is being provided for the correspondence information of this application.				
Customer Number	112802			
Email Address	docket@techlawventures.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>	
Email Address	terrence.edwards@techlawventures.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>	

Application Information:

Title of the Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW			
Attorney Docket Number	BGT-0012.NP	Small Entity Status Claimed	<input checked="" type="checkbox"/>	
Application Type	Nonprovisional			
Subject Matter	Utility			
Total Number of Drawing Sheets (if any)	9	Suggested Figure for Publication (if any)	1	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

Publication Information:

Request Early Publication (Fee required at time of Request 37 CFR 1.219)

Request Not to Publish. I hereby request that the attached application not be published under
 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	<input checked="" type="radio"/> Customer Number	US Patent Practitioner	<input type="radio"/> Limited Recognition (37 CFR 11.9)
Customer Number	112802		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78. When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation in part of	15357350	2016-11-21
Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
15357350	Claims benefit of provisional	62391745	2016-05-09
Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Claims benefit of provisional	62273256	2015-12-30

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		
Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Claims benefit of provisional	62391745	2016-05-09
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.		<input type="button" value="Add"/>	

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ^j (if applicable)	<input type="button" value="Remove"/>
Additional Foreign Priority Data may be generated within this form by selecting the Add button.		<input type="button" value="Add"/>		

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
Application Number			
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant must opt-out of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is ONLY reviewed and processed with the INITIAL filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby grants the USPTO authority to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

A. Applicant DOES NOT authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

B. Applicant DOES NOT authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant	1	<input type="button" value="Remove"/>
<p>If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.</p>		
<input type="button" value="Clear"/>		
● Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.	Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:		
<input type="button" value="Add"/> <input type="button" value="Remove"/>		
Name of the Deceased or Legally Incapacitated Inventor:		
If the Applicant is an Organization check here. <input checked="" type="checkbox"/>		
Organization Name	Bluegentech LLC	
Mailing Address Information For Applicant:		
Address 1	1130 South 3800 West, Suite 200	
Address 2		
City	Salt Lake City	State/Province
Country	US	Postal Code
Phone Number		Fax Number
Email Address		
Additional Applicant Data may be generated within this form by selecting the Add button. <input type="button" value="Add"/>		

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

Assignee	1		
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.			
<input type="button" value="Remove"/>			
If the Assignee or Non-Applicant Assignee is an Organization check here. <input checked="" type="checkbox"/>			
Organization Name	Bluegentech LLC		
Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1	1130 South 3800 West, Suite 200		
Address 2			
City	Salt Lake City	State/Province	UT
Country	US	Postal Code	84104
Phone Number		Fax Number	
Email Address			
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.		<input type="button" value="Add"/>	

Signature:					
<input type="button" value="Remove"/>					
<p>NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).</p> <p>This Application Data Sheet must be signed by a patent practitioner if one or more of the applicants is a juristic entity (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, all joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of all joint inventor-applicants.</p> <p>See 37 CFR 1.4(d) for the manner of making signatures and certifications.</p>					
Signature	Terrence J. Edwards/			Date (YYYY-MM-DD)	2016-12-30
First Name	Terrence	Last Name	Edwards	Registration Number	50254
Additional Signature may be generated within this form by selecting the Add button.					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

**SYSTEMS, METHODS, AND DEVICES FOR
AN AUTOMOBILE DOOR OR WINDOW**

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation-in-part of co-pending U.S. Patent Application Serial No. 15/357,350 filed November 21, 2016, entitled “MOTOR GEARBOX ASSEMBLY.” This application also claims the benefit of U.S. provisional application serial no. 62/391,745 filed May 9, 2016, entitled “MOTOR GEARBOX ASSEMBLY,” and also claims the benefits of U.S. provisional application serial no. 62/273,256 filed December 30, 2015, entitled “SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW.” The disclosure of the foregoing applications are incorporated herein by reference in their entireties, including but not limited to those portions that specifically appear hereinafter, the incorporation by reference being made with the following exception: In the event that any portion of the above-referenced applications are inconsistent with this application, this application supersedes said above-referenced applications.

TECHNICAL FIELD

[0002] The disclosure relates generally to systems, methods, and devices for an automobile door or window, and more particularly relates to methods, systems, and devices for a door on a semi-truck vehicle.

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(801) 854-7675

BACKGROUND

[0003] A variety of vehicle doors have been developed, described, and are widely known for providing ingress and egress into a vehicle. Vehicle doors, and particularly semi-truck doors, often provide immediate access to a seat located in the body of the vehicle. The doors are often hinged and require a user to enter or exit the vehicle at an angle that may be uncomfortable or even dangerous. Semi-truck doors and seats are located a significant distance above the ground and a user must be cautious to avoid injury when ascending the steps to the semi-truck door, opening the hinged semi-truck door, and sliding on to the seat while closing the hinged door.

BRIEF DESCRIPTION OF THE DRAWINGS

[0004] Non-limiting and non-exhaustive implementations of the present disclosure are described with reference to the following figures, wherein like reference numerals refer to like parts throughout the various views unless otherwise specified. Advantages of the present disclosure will become better understood with regard to the following description and accompanying drawings where:

[0005] FIG. 1 is a front perspective view of an embodiment of a vehicle made in accordance with the teachings and principles of the disclosure;

[0006] FIG. 2 is a front perspective view of an embodiment of a vehicle with the door removed made in accordance with the teachings and principles of the disclosure;

[0007] FIG. 3 is a rear perspective view of an embodiment of a vehicle made in accordance with the teachings and principles of the disclosure;

[0008] FIG. 4 is a side view of an embodiment of a vehicle made in accordance with the teachings and principles of the disclosure;

[0009] FIG. 5 is a side view of an embodiment of a vehicle showing interior components of the vehicle made in accordance with the teachings and principles of the disclosure;

[0010] FIG. 6 is a front perspective view of a vehicle showing interior components of the vehicle made in accordance with the teachings and principles of the disclosure;

[0011] FIG. 7 is an aerial view of a vehicle showing interior components of the vehicle made in accordance with the teachings and principles of the disclosure;

[0012] FIG. 8 is a front aerial perspective view of a vehicle showing interior components of the vehicle made in accordance with the teachings and principles of the disclosure; and

[0013] FIG. 9 is a front view of an embodiment of a vehicle made in accordance with the teachings and principles of the disclosure.

DETAILED DESCRIPTION

[0014] Applicants have recognized that it is advantageous to provide a vehicle door, and particularly a semi-truck door, that allows a user to safely and comfortably enter and exit the vehicle. According to one aspect of the disclosure, a vehicle includes a vehicle body and a cabin located within the body of the vehicle. The cabin includes an interior that is configured to accommodate at least one person and the cabin includes at least one seat that is configured to seat at least one person. The vehicle includes at least one door that provides ingress and egress to the interior of the cabin of the vehicle, and the door opens into the cabin from a backside of the seat.

[0015] According to another aspect of the disclosure, an electric powered semi-truck includes a vehicle body, a cabin located within the vehicle body, at least one seat located in the interior of the cabin, and a sleeper portion located in the interior of the cabin. The semi-truck includes at least one sliding door that opens to provide ingress and egress into the interior of the cabin. A user may access the exterior of the sliding door by ascending at least one exterior step mounted to the exterior of the vehicle body at the door. The sliding door is located at approximately a midpoint of the vehicle body and the sliding door provides ingress and egress into the interior of the cabin from a backside of the at least one seat. The interior of the cabin includes a landing immediately adjacent to the sliding door wherein a user may stand at the landing and access the at least one seat or access the sleeper portion.

[0016] According to another aspect of the disclosure, a vehicle includes a vehicle body and a cabin located within the body of the vehicle. The cabin includes an interior that is configured to accommodate at least one person and the cabin includes at least one seat that is configured to seat at least one person. The vehicle includes a plurality of front wheels, and a majority of the seat is located at a position above the plurality of front wheels with respect to the body of the vehicle.

[0017] The disclosure relates generally to systems, methods, and devices for an automobile door or window. In the following description of the disclosure, reference is made to the accompanying drawings, which form a part hereof, and in which is shown by way of illustration specific implementations in which the disclosure may be practiced. It is understood that other implementations may be utilized and structural changes may be made without departing from the scope of the disclosure.

[0018] Despite the existing systems, methods, and devices relating to automobile doors or windows, systems, methods, and devices for an automobile door or window are still being developed and are needed. As will be seen, the disclosure provides such methods, systems, and devices for doors and windows of an automobile, particularly for semi-trucks, in an effective and elegant manner.

[0019] For purposes of promoting an understanding of the principles in accordance with the disclosure, reference will now be made to the embodiments illustrated in the drawings and specific language will be used to describe the same. It will nevertheless be understood that no limitation of the scope of the disclosure is thereby intended. Any

alterations and further modifications of the inventive features illustrated herein, and any additional applications of the principles of the disclosure as illustrated herein, which would normally occur to one skilled in the relevant art and having possession of the disclosure, are to be considered within the scope of the disclosure.

[0020] It is to be understood that this disclosure is not limited to the particular configurations, process steps, and materials disclosed herein as such configurations, process steps, and materials may vary somewhat. It is also to be understood that the terminology employed herein is used for the purpose of describing particular embodiments only and is not intended to be limiting.

[0021] In describing the disclosure, the following terminology will be used in accordance with the definitions set out below.

[0022] It must be noted that, as used in this specification and the appended claims, the singular forms “a,” “an,” and “the” include plural referents unless the context clearly dictates otherwise.

[0023] As used herein, the terms “comprising,” “including,” “containing,” “characterized by,” and grammatical equivalents thereof are inclusive or open-ended terms that do not exclude additional, unrecited elements or method steps.

[0024] Referring now to the figures, FIG. 1 is a front perspective view of an embodiment of a vehicle 100 made in accordance with the teachings and principles of the disclosure. FIG. 1 shows an example vehicle 100, which is an electric driven class 8 semi-truck called the NIKOLA ONE™. In one embodiment, the vehicle 100 is

configured to pull a total gross weight of 80,000 lbs. approximately 800 miles to 1,200 miles between stops, or more than 1,200 miles between stops.

[0025] In an implementation, the vehicle 100 is an electric driven semi-truck 100 having a vehicle body 102, a plurality of front wheels 142, a plurality of front wheel wells 144, a plurality of rear wheels 146, a plurality of rear wheel wells 148, and an electric motor and associated gear train at every wheel 142. The vehicle 100 includes an aerodynamic door 110 that includes an integrated door window 114 and a door handle 116. The door 110 includes an aerodynamic curvature 118 on the exterior door surface 112 that matches the curvature 104 of the vehicle 100. In an implementation, the door 110 is a sliding door (as pictured in FIG. 1) and the door 110 slides on a track 120 that is integrated into the exterior 106 of the vehicle 100. The vehicle body 102 includes an aerodynamic front windshield 130 and panoramic windows 132 on either side of the front windshield 130. The vehicle body 102 includes at least one side window 134 on either side of the vehicle body 102, wherein an operator or passenger of the vehicle may open or close the side window 134. In an implementation, a side window 134 connects and matches up with an integrated door window 114 when the door 110 is closed. The vehicle body 102 includes a cabin window 136 located in a rear portion of the vehicle body 102 with respect to the front windshield 130. The vehicle body 102 includes a sunroof 138 or moon roof integrated into the roof of the vehicle body 102. The vehicle body 102 further includes at least one step 140 mounted to the exterior of the vehicle body 102. The step

140 is located such that a user may ascend or descend the at least one step 140 when entering or exiting the vehicle through the door 110.

[0026] The vehicle 100 shown in FIG. 1 includes an electric motor and associated gear train (e.g., gear train with dual gear reduction) at every wheel 142, 146, which motors and gear trains may be grouped in pairs to form a motor gearbox assembly as described in further detail in U.S. Patent Application Serial No. 15/357,350 filed November 21, 2016, which is hereby incorporated by reference in its entirety herein. In the embodiment shown in FIG. 1, the four rear wheels 146 each include a dual wheel pair (two wheels that rotate together). The electric motor may be configured to produce any suitable horsepower (HP), such as 100 to 400 HP, with six motors combined, may output about 2,000 HP and over 3,700 ft. lbs. of torque before gear reduction, and nearly 86,000 ft. lbs. of instant torque after gear reduction. The vehicle's six electric motors may produce superior horsepower, torque, acceleration, pulling and stopping power over other class 8 semi-trucks known in the art. It should be noted that the inclusion of an electric motor, and the elimination of a standard combustion engine, may allow for the reconfiguration of the layout and structure of a standard semi-truck as known in the art. The reconfiguration of many components of the vehicle body 102 can be advantageous to a user, as disclosed and described in the present application. The elimination of the combustion engine has, for example, provided for the at least one seat to be located at a position nearer the front of the vehicle body 102 than in a conventional semi-truck.

[0027] In an embodiment, the vehicle is powered by an electric motor. The electric motors may be powered by any suitable energy storage system (ESS) such as a rechargeable battery pack that may be charged in any suitable manner. For example, the ESS may include a liquid cooled lithium-ion battery pack which may be charged by an onboard turbine or fuel cell of a turbine or fuel cell assembly. The turbine or fuel cell may automatically charge the batteries of the ESS when needed and eliminate the need to ever “plug-in” the batteries. The turbine or fuel cell may produce clean energy, which may provide ample battery power to power the vehicle. When going downhill, the vehicle’s electric motors may be configured to absorb braking energy that is normally lost and deliver the braking energy back to the batteries, thereby increasing component life, miles per gallon, safety, and freight efficiencies while eliminating noisy engine brakes and reducing the potential for a runaway vehicle.

[0028] The aerodynamic door 110 is located to improve access and safety when entering or exiting the vehicle. In an implementation, the door 110 is a sliding door as pictured in FIG. 1, and in a further implementation the door 110 is a hinged door. In an implementation, the door 110 is located directly above a portion of the at least one step 140 such that a user may comfortably ascend or descend the step 140 when entering or exiting the vehicle through the door 110. The front of the vehicle body 102 is denoted by the front windshield 130, the door 110 is located to a backside of the at least one front wheel 142 and wheel well 144. In an implementation, the step 140 is connected to the front wheel well 144 and the door 110 is positioned immediately above the step 140 as

pictured in FIG. 1. The door 110 permits ingress and egress into the vehicle body 102 and the door 110 opens to a backside of at least one seat (see 510 in FIG. 5) in the interior cabin (see 550 in FIG. 5). In an implementation, there is no additional door that provides immediate access to a seat. In an implementation, the door 110 provides ingress and egress from a backside of a seat and there is no other door on that side of the vehicle body 102. In an implementation, the vehicle body 102 includes a single door at a driver's side of the vehicle or at a passenger's side of the vehicle. In an implementation, the vehicle body 102 includes two doors, wherein one door is located at a driver's side of the vehicle and an additional door is located at a passenger's side of the vehicle. In at least one implementation, more than one door may be located on each side of the vehicle.

[0029] In an implementation, the door 110 extends from a top of the step 140 to the top or roof of the vehicle body 102. In an implementation, the door 110 provides an opening that is at least seven feet high. In an implementation, the door 110 provides an opening that is at least six feet six inches high. In an implementation, the door 110 provides an opening that is at least six feet high. In an implementation, the door 110 provides an opening that is at least five feet high. In an implementation, the door 110 is configured to permit at least one person to stand in the door frame without bending down when the door 110 is opened.

[0030] The front of the vehicle body 102 is denoted by the front windshield 130 and a front side of the door 110 is located adjacent to a backside of the front wheel well 144. Alternatively, a portion of the door 110 is located above the front wheel well 144. In an

implementation, a front side of the door 110 is located at least six inches behind a backside of the front wheel well 144. In an implementation, a front side of the door 110 is located at least twelve inches behind a backside of the front wheel well 144. In an implementation, a front side of the door 110 is located at least eighteen inches behind a backside of the front wheel well. The width of the door 110 is configured to permit at least one person to stand in the doorframe while facing into the vehicle body 102 when the door 110 is opened. In an implementation, the door 110 is at least two feet wide. In an implementation, the door 110 is at least three feet wide. In an implementation, the door 110 is at least four feet wide. In an implementation, the door 110 is configured to permit at least one person to stand in the doorframe while holding a standard sized piece of luggage and facing into the vehicle body 102 when the door 110 is opened.

[0031] In an implementation, the vehicle includes a drive motor attached to the door 110 that is configured to open or close the door. In an implementation, the drive motor is engaged when a user engages the door handle 116. In an implementation, the drive motor is automatically engaged when a sensor detects that a user is approaching the door 110. In an implementation, the door 110 includes a peak load sensor that is configured to sense a threshold load when the door is closing. In such an implementation, the vehicle 100 includes a control unit that reverses the direction of the door 110 and prohibits the door 110 from closing when the peak load sensor senses the threshold load. Such an implementation may be beneficial to ensure safety when entering or exiting the vehicle

such that the door will not close on a user and injure the user when the user is passing through the door 110.

[0032] It should be noted that the size and size of the door 110 can have a significant impact on whether a person can safely and comfortably enter or exit the vehicle body 102. In an embodiment of the present disclosure, the size and shape of the door 110 is configured to permit a person to comfortably step into the vehicle body 102 as if stepping through a residential door. In an embodiment of the present disclosure, the door 110 is configured to permit a person to safely face into the vehicle body 102 when entering or exiting the vehicle body 102. The base of the door 110 may be located at a significant distance above the ground and it is beneficial to provide an ingress and egress into the vehicle body 102 that permits a person to comfortably and safely step into the vehicle body 102.

[0033] It should further be noted that the location of the door 110 can have a significant impact on whether a person can safely and comfortably enter or exit the vehicle body 102. In an embodiment of the present disclosure, the door is located at a backside of a seat such as the driver's seat or the passenger's seat. In an embodiment of the present disclosure, the door opens to a landing (see 552 in FIG. 5) and a person may comfortably step into the vehicle body 102 while facing forward into the vehicle body 102. It should be noted that prior art vehicle doors are typically configured to provide immediate access to a vehicle seat and therefore require a user to enter the door at an angle. This can be particularly dangerous in the case of a semi-truck, wherein the door

and the seat may be located at a significant distance above the ground and the vehicle body may be very large. Particularly in the case of semi-trucks, a user may have difficulty entering or exiting the semi-truck, and the user is at risk of injury while entering or exiting the semi-truck, when the user must slide into or out of a seat of the vehicle while ascending or descending a step on the exterior of the vehicle. It is therefore beneficial to provide a vehicle door, and particularly a semi-truck door, that permits a user to enter the vehicle without immediately sitting in a seat. In one implementation, a width of the door is completely unobstructed by a seat or seat cushion. In one implementation, a majority of the width of the door, such as at least 50% of the width of the door, is unobstructed by a seat or seat cushion. In one implementation, a width of the door is completely unobstructed by a front edge of a seat. For example, a rear or back of a seat may slightly or partially obstruct the opening but a front or seat portion of the seat may not obstruct the opening. Eliminating or minimizing the amount of door opening that is obscured by a seat may allow a user to more easily enter or exit by walking into the vehicle 100 while keeping their body square or parallel with the opening. A seat or other object may be considered obscuring the opening if it is within three feet, two feet, one foot, or less of the opening of the door 110. In one embodiment, other objects such as tables cabinets, or other structures may also not obscure the opening.

[0034] The door handle 116 is located on the door 110 to improve access and safety when engaging the door handle 116 to unlock and/or open the door 110. The door handle 116 may include any handle known in the art or later developed, including, for example,

a lever type, a push button type, a lift back type, a pull type, or any other type of door handle 116. In an implementation, the door 110 is a sliding door and the handle 116 is located at a portion of the door 110 nearest the front windshield 130 of the vehicle 100. In an implementation, the door 110 is a sliding door and the handle 116 engages a drive motor to pull the door 110 open or closed when the handle 116 is engaged by a user. In one embodiment, the handle is located in a bottom half, bottom third, and/or bottom quarter of the door.

[0035] The door curvature 118 is designed to increase the aerodynamic nature of the vehicle 100 and to decrease drag when the vehicle 100 is in motion. The door curvature 118 matches an overall curvature 104 of the vehicle 100 such that the door 110 is fully integrated into the exterior of the vehicle 100 when the door 110 is closed.

[0036] In the case of a sliding door 110, the sliding door track 120 connects with the door 110 and provides a path for the door 110 to slide when opening or closing. In an implementation, the vehicle 100 includes an upper door track, a mid-track, and a lower door track. In an implementation, the vehicle 100 includes a single sliding door track 120. The sliding door track 120 is configured to permit the door to be smoothly opened without applying a significant amount of pressure.

[0037] The at least one exterior step 140 is mounted to or located on the exterior of the vehicle 100. The step 140 is constructed of any suitably rigid material and is configured to support the weight of at least one person. The at least one step 140 is located at the door 110 such that a user may ascend the step 140 and pass through the door 110 when

opened. In an implementation, the step 140 is a standard full size step. In an implementation, the at least one step 140 is fully rigid and cannot be collapsed. In an implementation, the at least one step 140 includes joints and can be collapsed when not in use. In an implementation, the vehicle body 102 includes a handle or similar point of leverage that is configured to provide stability to a user when the user is ascending the at least one step 140 or entering the vehicle through the door 110. In an implementation, the vehicle body 102 includes two handles configured to provide two points of leverage and assist a user when ascending the at least one step 140 or entering the vehicle through the door 110. In such an implementation, the user may ascend the at least one step, hold on to one or more of the handles, and pass through the door 110 facing forward into the cabin interior.

[0038] The aerodynamic vehicle body 102 is configured and formed to reduce drag when the vehicle 100 is in motion. In an implementation, the vehicle 100 is an electric powered semi-truck and the vehicle does not include a combustion engine at the front side of the vehicle. Therefore, because the vehicle does not include a combustion engine, the vehicle body 102 may have a particularly aerodynamic shape. In an implementation, a seat (see 510 in FIG. 5) is located above a front wheel well 144. In an implementation, the front windshield 130 is located near the front-most point of the vehicle 100 and the front windshield 130 and panoramic windows 132 are configured to provide a user with a wide range of visibility. It should be appreciated that locating a seat 510 near the front of

the vehicle body 102 and providing a panoramic view of the surroundings will increase safety and visibility when operating the vehicle.

[0039] Referring now to FIG. 2, a front perspective view of a vehicle 200 without a door is shown. The vehicle 200 includes a vehicle body 202 having a front windshield 230, a panoramic window 232, at least one side window 234, a cabin window 236, and a sunroof or moon roof 238. The vehicle 200 includes a plurality of front wheels 242 and front wheel wells 244 and a plurality of rear wheels 246. The vehicle includes at least one exterior step 240 leading to a door (see 110 in FIG. 1). In an implementation, the door is a sliding door that is operated by sliding the door along a track 220 integrated into the exterior of the vehicle 200. The vehicle includes a cabin interior 250 and a landing 252 within the cabin interior 250. The cabin interior 250 includes a sleeper area having a lower sleeping space 214 and an upper sleeping space 218. FIG. 2 illustrates the vehicle 200 without a door (see 110 in FIG. 1) such that a portion of the interior cabin 250 may be shown.

[0040] In an embodiment, the landing 252 is an open space and it includes a flat horizontal landing 252. Where the front windshield 230 denotes the front of the vehicle 200, the landing 252 is located at a backside of a seat (see 510 in FIG. 5). In an implementation, the landing 252 is located behind a front wheel well 244. In an implementation, the landing 252 is located in front of a sleeping space 214, 218. In an implementation, the landing 252 extends from the door opening to a wall directly opposite the door opening. In an implementation, the vehicle body 202 includes two

doors 110 directly opposite from one another, and the landing 252 extends from one door opening to the other door opening.

[0041] In an implementation, the size and shape of the landing 252 is configured to accommodate at least one person. In an implementation, the landing 252 has a vertical ceiling height that is configured to accommodate a person without the need for the person to bend over. In an implementation, the landing 252 has a vertical ceiling height of at least eight feet. In an implementation, the landing 252 has a vertical ceiling height of at least seven feet. In an implementation, the landing 252 has a vertical ceiling height of at least six feet six inches. In an implementation, the landing 252 has a vertical ceiling height of at least six feet. In an implementation, the landing 252 has a vertical ceiling height of at least five feet six inches.

[0042] Referring now to FIG. 3, a rear perspective view of a vehicle 300 made in accordance with the teachings and principles of the disclosure is illustrated. The vehicle 300 includes a vehicle body 302 having at least one side window 334 and at least one cabin window 336. The vehicle 300 includes a plurality of front wheels 342 and front wheel wells 344 and a plurality of rear wheels 346 and rear wheel wells 348. The vehicle 300 includes at least one step 340 leading to a vehicle door 310. The door 310 includes a handle 316, an aerodynamic door curvature 318, and an integrated door window 314. In an implementation, the door 310 is a sliding door and it is opened and closed by sliding on a track 320.

[0043] Referring now to FIG. 4, a side view of a vehicle 400 made in accordance with the teachings and principles of the disclosure is illustrated. In an implementation, the vehicle 400 is a semi-truck with a semi-trailer 460 and a vehicle body 402. The vehicle 400 includes a plurality of front wheels 442, front wheel wells 442, rear wheels 446, and rear wheel wells 448. The vehicle body includes a front windshield 430, a panoramic window 432, at least one side window 434 and a cabin window 436. The vehicle body includes a vehicle door 410 having a handle 416 and an integrated door window 414. In an implementation, the door 410 is a sliding door and the vehicle body includes a sliding door track 420. The vehicle body includes at least one step 440 located at the base of the door 410 that may permit a user to access the door 410 and comfortably enter or exit the vehicle body 402.

[0044] Referring now to FIG. 5, a side view of a vehicle 500 showing interior components of the vehicle 500 is shown. As illustrated in FIG. 5, the vehicle 500 is a semi-truck having a vehicle body 502 and a semi-trailer 560. The vehicle 500 includes a plurality of front wheels 552 and a plurality of rear wheels 546. The vehicle 500 includes at least one seat 510 wherein a driver or a passenger of the vehicle may sit. In an implementation, the vehicle body 502 includes only a driver seat 510 and in a further implementation the vehicle body 502 includes a driver seat 510 and a passenger seat. The vehicle body 502 includes a steering wheel 512 positioned in front of a driver seat 510. The vehicle includes at least one step 540 mounted to the exterior of the vehicle body 502 and wherein a user may ascend or descend the at least one step when entering or exiting

the vehicle body 502 through the door (see 110 in FIG. 1). The vehicle body 502 includes a cabin interior 550 having a landing 552. FIG. 5 further illustrates distance markings D1 and D2 that are further disclosed and discussed with respect to FIG. 7. D1 illustrates a distance from a front end of the vehicle body 502 to a rear most location on the front wheels 542. D2 illustrates a distance from a front end of the vehicle body 502 to a front most location on the front wheels 542. The first distance D1 is greater than the second distance D2. D3 illustrates a distance or horizontal distance between a front most portion and a rear most portion of the front wheel well 544. In an implementation, the entirety of the at least one seat is located within the horizontal distance D3 of the front wheel wells 544.

[0045] The vehicle cabin interior 550 includes a number of features to provide comfort and convenience to an operator or passenger of the vehicle 500. In an implementation, the cabin interior 550 includes a cooling appliance 520 and a microwave oven 526 or other small appliance. The cabin interior includes a plurality of storage spaces 522. The cabin interior 550 includes a lower sleeping space 514 and an upper sleeping space 518. The cabin interior includes a display 516 such as a television, monitor, touch screen monitor, computer, and the like. The cabin interior 550 includes at least one cabin window 536.

[0046] The cooling appliance 520 includes any of a powered refrigerator, a powered freezer, a powered refrigerator and freezer combination, or a non-powered version of any of the aforementioned cooling appliances. In an implementation, the cooling appliance

520 is located opposite the door (see 110 in FIG. 1). The cooling appliance 520 may be mounted to a wall of the vehicle body 502, and/or it may be mounted to the landing 552, or it may be freestanding. In an embodiment, the cooling appliance 520 is powered by the ESS of the vehicle 500. In an implementation, the cooling appliance 520 includes an internal volume of at least five cubic feet. In an implementation, the cooling appliance 520 includes an internal volume of at least ten cubic feet. In an implementation, the cooling appliance 520 includes an internal volume of at least fifteen cubic feet. In an implementation, the cooling appliance 520 includes an internal volume of at least twenty cubic feet.

[0047] In an implementation, the microwave oven 526 is located opposite the door (see 110 in FIG. 1) and is mounted above the cooling appliance 520. It should be appreciated that the microwave oven 526 may be replaced with any other suitable appliance or may be replaced with a storage space without departing from the spirit and scope of the disclosure. In an embodiment, the microwave oven 526 is powered by the ESS of the vehicle 500.

[0048] In an implementation, a plurality of storage spaces 522 are built in to the cabin interior 550. It should be appreciated that the cabin interior 550 may include a storage space 522 located in any suitable place. A storage space 522 may be located, for example, underneath the lower sleeping space 514 or above the upper sleeping space 518, underneath the landing 552 flooring, on a backside of a seat 510, above the microwave oven 526, to the side of the cooling appliance 520, or any other suitable location.

[0049] In an implementation, the display 516 is mounted to a wall of the cabin interior 550 opposite the door (see 110 in FIG. 1) and between the lower sleeping space 514 and the upper sleeping space 518. The display 516 may include any display known in the art or later discovered such as, for example, a light-emitting diode display, an electroluminescent display, an electronic paper display, a plasma display panel, a liquid crystal display, an organic light-emitting diode display, and the like. The display 516 may include a television, a computer monitor, a touchscreen display, or any other suitable display. The display 516 may be in electronic communication with a network interface, a computing device, or any other suitable appliance. In an embodiment, the display is powered by the ESS of the vehicle 500.

[0050] In an implementation, the lower sleeping space 514 and the upper sleeping space 518 are located farther from the front of the vehicle (see 130 in FIG. 1) than the door (see 110 in FIG. 1). That is, the lower sleeping space 514 and the upper sleeping space 518 are located at the backside portion of the cabin interior 550. Each of the sleeping spaces 514, 518 may be mounted to at least one wall of the vehicle 500 and the sleeping spaces 514, 518 may be hinged on one side such that the sleeping space 514, 518 may be hinged and stored away when not in use. Each of the sleeping spaces 514, 518 are accessible from the landing 552. In an implementation, each of the sleeping spaces 514, 518 includes a mattress. In an implementation, at least one of the sleeping spaces 514, 518 includes a standard sized mattress in a twin size, a full size, or a queen size. In an

implementation, at least one of the sleeping spaces 514, 518 includes a non-standard size mattress.

[0051] Referring now to FIG. 6, a front perspective view of a vehicle 600 illustrating interior components of the vehicle 600 is shown. The vehicle 600 includes at least one seat 610 and a steering wheel 612. The vehicle 600 includes a cabin interior 650. The cabin interior 650 includes a cooling appliance 620, a microwave oven 626 or other small appliance, and a plurality of storage spaces 622. The cabin interior 650 includes a lower sleeping space 614 and an upper sleeping space 618 that form a sleeper in the cabin interior 650. The vehicle 600 includes front wheels 642. The vehicle 600 includes at least one step 640 mounted to the exterior of the vehicle, wherein the at least one step 640 permits a user to safely enter or exit the vehicle 600 through a door (see 110 in FIG. 1). The cabin interior 650 includes a landing 652 adjacent to the door 110 that is configured to accommodate at least one person.

[0052] As illustrated in FIG. 6, the cooling appliance 620 and microwave oven 626 extend into the cabin interior 650. In an embodiment, the landing 652 extends from the door 110 to the cooling appliance 620 in one direction and from the lower sleeping space 614 to the backside of the at least one seat 610 in the perpendicular direction. In an implementation, the landing 652 is of a sufficient size to comfortably fit at least one person. In an implementation, there is sufficient vertical space from the landing 652 to the ceiling of the cabin interior 650 for a user to stand in the landing 652 without the need to bend over.

[0053] The cabin interior 650 is configured to permit a person to enter the cabin interior 650 through a door 110 and comfortably stand at the landing 652. A person may access either of the lower sleeping space 614 or the upper sleeping space 618 from the landing 652. A person may comfortably access and open either of the cooling appliance 620 and the microwave oven 626 while standing at the landing 652. A person may access the at least one seat 610 from the landing. In an implementation, as illustrated in FIG. 6, the vehicle 600 includes two seats 610 and a user may access either of the two seats from the landing 652 by passing between the two seats 610.

[0054] Referring now to FIG. 7, an aerial view of a vehicle 700 showing interior components of the vehicle 700 is shown. The vehicle 700 includes a plurality of front wheels 742 and a plurality of rear wheels 746. The vehicle includes at least one seat and may include a driver's side seat 710 and a passenger's side seat 714. The vehicle includes a steering wheel 712 positioned in front of the driver's side seat 710. The vehicle includes at least one step 740 mounted to the exterior of the vehicle 700. The at least one step 740 may provide access to a door (see 110 in FIG. 1) or it may not lead to a door. The vehicle 700 includes a cabin interior 750 having a landing 752 and a number of features to provide comfort and convenience to a user. The cabin interior 750 includes a sleeper including a lower sleeping space 714 and an upper sleeping space 718.

[0055] The vehicle 700 includes a front end of the body 724. The front wheels 742 include a first rear most location 720 that is a first distance D1 from the front end of the body 724. The front wheels 742 include a second front most location 722 that is a second

distance D2 from the front end of the body 724. The first distance D1 is greater than the second distance D2. As illustrated in FIG. 1, the majority of at least one of the seats 710, 714 is located within the first distance D1 of the front wheels 742. As discussed above, this placement of the at least one seat 710, 714 is made possible by the vehicle 700 being an electric powered vehicle 700 and not including a combustion engine. A typical semi-truck in the prior art having a combustion engine does not include space for at least one seat to be located in a position above a front wheel relative to the body of the vehicle. In an embodiment, the steering wheel 712, the at least one seat 710, 714, and the controls necessary for operating the vehicle are located in a position proximal to the front of the vehicle 724 where a combustion engine would typically be located in a prior art combustion-based semi-truck. Because an embodiment of the present disclosure is an electric powered semi-truck without a combustion engine, the at least one seat 710, 714 can be located at a first distance D1 of the front wheels 742 relative to the front of the vehicle 724.

[0056] In one embodiment, a foremost portion of a door is behind the first distance D1. For example, all portions of an opening revealed by a door may be greater than the first distance D1 from the front of the vehicle. Thus, the door may provide access to a cabin behind a seat, such as a driver's seat or driver compartment. In one embodiment, all portions of a driver's seat, when in a driving position, are within the first distance D1 of the front of the vehicle. In one embodiment, the foremost part of a door may be located further than the second distance D2 and/or first distance D1 from the front of the vehicle.

[0057] Referring now to FIG. 8, an aerial perspective view of a vehicle 800 showing interior components of the vehicle 800 is shown. The vehicle 800 includes an interior cab 850 having a number of features to provide comfort and convenience to a user. In an implementation, the interior cab 850 includes a sleeper consisting of a lower sleeping space 814 and an upper sleeping space 818. In an implementation, the interior cab 850 includes a cooling appliance 820, a microwave oven 826, and a plurality of storage space 822. The interior cab 850 includes a cabin window 836 and may include at least one sunroof or moon roof (see 138 in FIG. 1). The vehicle includes a plurality of front wheels 842 and a plurality of rear wheels 846. The vehicle includes at least one seat 810, 814 and may include a driver's side seat 810 and a passenger's side seat 814. The vehicle includes a steering wheel 812 positioned in front of the driver's side seat 810.

[0058] Referring now to FIG. 9, a front view of a vehicle 900 made in accordance with the principles and teachings of the disclosure is shown. The vehicle 900 includes a front windshield 930, at least one panoramic window 932, and at least one cabin window 936, and at least one roof windows 938. The vehicle 900 includes a plurality of front wheels 942, a plurality of front wheel wells 944, and a plurality of rear wheels 946.

Examples

[0059] The following examples pertain to further embodiments.

[0060] Example 1 is a vehicle including a body and a cabin located within the body of the vehicle. The cabin comprises an interior that is configured to accommodate at least one person. The vehicle includes at least one seat located in the interior of the cabin and

the seat is configured for seating a user. The vehicle includes at least one door that provides ingress and egress to the interior of the cabin of the vehicle, and the at least one door is located with respect to the body of the vehicle, such that it provides ingress and egress into the cabin from a backside of the seat.

[0061] Example 2 is a vehicle as in Example 1, wherein the vehicle is an electric vehicle including a battery pack that is coupled to an electric drive train.

[0062] Example 3 is a vehicle as in any of Examples 1-2, wherein the includes a combustion engine configured to generate power by using combustion energy of fuel.

[0063] Example 4 is a vehicle as in any of Examples 1-3, wherein the vehicle includes only a single door.

[0064] Example 5 is a vehicle as in Example 4, wherein the single door is located on a driver's side of the vehicle.

[0065] Example 6 is a vehicle as in Example 4, wherein the single door is located on a passenger's side of the vehicle.

[0066] Example 7 is a vehicle as in any of Examples 1-3, wherein the at least one door of the vehicle includes a first door and a second door.

[0067] Example 8 is a vehicle as in Example 7, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

[0068] Example 9 is a vehicle as in any of Examples 1-8, wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

[0069] Example 10 is a vehicle as in Example 9, wherein the at least one door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.

[0070] Example 11 is a vehicle as in Example 10, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.

[0071] Example 12 is a vehicle as in Example 1, wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.

[0072] Example 13 is a vehicle as in Example 1, wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.

[0073] Example 14 is a vehicle as in any of Example 1-13, wherein there is no additional door that is located in front of the at least one door providing ingress or egress into the interior of the cabin.

[0074] Example 15 is a vehicle as in any of Examples 1-14, wherein the at least one door includes a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold, a control unit reverses the direction of the at least one door and prohibits the at least one door from closing.

[0075] Example 16 is a vehicle as in any of Examples 1-15, wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.

[0076] Example 17 is a vehicle as in any of Examples 1-16, wherein the vehicle is a semi-truck.

[0077] Example 18 is a vehicle as in any of Examples 1-17, wherein the vehicle is an electric driven class 7 semi-truck.

[0078] Example 19 is a vehicle as in any of Examples 1-17, wherein the vehicle is an electric driven class 8 semi-truck.

[0079] Example 20 is a vehicle as in any of Examples 1-19, wherein the vehicle further comprises a sleeper within the cabin.

[0080] Example 21 is a vehicle as in any of Examples 1-20, wherein the at least one door opens into the sleeper of the cabin.

[0081] Example 22 is a vehicle as in Example 20, wherein the sleeper includes a bunk bed, a refrigerator having a volume that is at least 15 cubic feet, a table, and a microwave oven.

[0082] Example 23 is a vehicle as in any of Examples 1-22, wherein the cabin includes a driver's seat and a passenger's seat, and wherein access to the driver's seat is provided between the passenger's seat and the driver's seat.

[0083] Example 24 is a vehicle as in any of Examples 1-23, wherein an opening into the cabin includes a clearance that is at least six feet five inches in height.

[0084] Example 25 is a vehicle as in any of Examples 1-24, wherein the vehicle further comprises a sleeper and wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.

[0085] Example 26 is a vehicle as in any of Examples 1-25, wherein the vehicle further includes at least one full-size step and at least one hand hold to provide at least two points of leverage for access and entry into the interior of the cabin.

[0086] Example 27 is a vehicle as in Example 26, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

[0087] Example 28 is a vehicle comprising a body having a front end and a rear end. The vehicle includes a plurality of front wheels located proximally with respect to the body and a plurality of rear wheels located distally with respect to the body. The front wheels include a first rear most location that is a first distance from the front end of the body and a second front most location that is a second distance from the front end of the body. The first distance is greater than the second distance. The vehicle includes a cabin located within the body, wherein the cabin includes an interior with at least one seat located in the interior that is configured for seating at least one person. The majority of the at least one seat is located within the first distance of the front wheels.

[0088] Example 29 is a vehicle as in Example 28, wherein the body of the vehicle includes a plurality of front wheel wells that correspond to the plurality of front wheels. The front wheel wells include a front most portion and a rear most portion with a

horizontal distance therebetween. The entirety of the at least one seat is located within the horizontal distance of the front wheel wells.

[0089] Example 30 is a vehicle as in any of Examples 28-29, wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of at least one seat.

[0090] Example 31 is a vehicle as in any of Examples 28-30, wherein the body of the vehicle includes an opening having a width and a height that corresponds with the at least one door, and wherein there is no seat inside the cabin that obstructs the width of the opening.

[0091] Example 32 is a vehicle as in any of Examples 28-31, wherein the vehicle is an electric vehicle including a plurality of electric motors and a plurality of gear trains that each correspond with each of the plurality of electric motors.

[0092] Example 33 is a vehicle as in any of Examples 28-32, wherein the vehicle includes a combustion engine configured to generate power by using combustion energy of fuel.

[0093] Example 34 is a vehicle as in any of Examples 28-33, wherein the vehicle includes only a single door.

[0094] Example 35 is a vehicle as in Example 34, wherein the single door is located on a driver's side of the vehicle.

[0095] Example 36 is a vehicle as in Example 34, wherein the single door is located on a passenger's side of the vehicle.

[0096] Example 37 is a vehicle as in any of Examples 28-33, wherein the at least one door of the vehicle includes a first door and a second door.

[0097] Example 38 is a vehicle as in Example 37, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

[0098] Example 39 is a vehicle as in any of Examples 28-38, wherein the at least one door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

[0099] Example 40 is a vehicle as in Example 39, wherein the at least one door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.

[0100] Example 41 is a vehicle as in Example 40, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.

[0101] Example 42 is a vehicle as in any of Examples 28-38, wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.

[0102] Example 43 is a vehicle as in any of Examples 28-42, wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.

[0103] Example 44 is a vehicle as in any of Examples 28-43, wherein there is no additional door that is located in front of the at least one door providing ingress or egress into the interior of the cabin.

[00104] Example 45 is a vehicle as in any of Examples 28-44, wherein the at least one door includes a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.

[00105] Example 46 is a vehicle as in any of Examples 28-45, wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.

[00106] Example 47 is a vehicle as in any of Examples 28-46, wherein the vehicle is a semi-truck.

[00107] Example 48 is a vehicle as in any of Examples 28-47, wherein the vehicle is an electric driven class 7 semi-truck.

[00108] Example 49 is a vehicle as in any of Examples 28-47, wherein the vehicle is an electric driven class 8 semi-truck.

[00109] Example 50 is a vehicle as in any of Examples 28-49, wherein the vehicle further comprises a sleeper within the cabin.

[00110] Example 51 is a vehicle as in any of Examples 28-50, wherein the vehicle further includes a sleeper within the cabin and the at least one door opens into the sleeper of the cabin.

[00111] Example 52 is a vehicle as in any of Examples 28-51, wherein the vehicle further includes a sleeper within the cabin and the sleeper includes a bunk bed, a refrigerator having a volume that is at least 15 cubic feet, a table, and a microwave oven.

[00112] Example 53 is a vehicle as in any of Examples 28-52, wherein the vehicle further includes a sleeper within the cabin and wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.

[00113] Example 54 is a vehicle as in any of Examples 28-53, wherein the opening into the cabin includes a height that is at least six feet five inches.

[00114] Example 55 is a vehicle as in any of Examples 28-54, wherein the cabin includes a driver's seat and a passenger's seat, and wherein access to the driver's seat is provided between the passenger's seat and the driver's seat.

[00115] Example 56 is a vehicle as in any of Examples 28-55, wherein the vehicle further includes at least one full-size step and at least one handhold to provide at least two points of leverage for access and entry into the interior of the cabin.

[00116] Example 57 is a vehicle as in any of Examples 28-56, wherein the vehicle further includes two steps and two handholds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

[00117] Example 58 is a vehicle as in any of Examples 1-57, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

[00118] In the above disclosure, reference has been made to the accompanying drawings, which form a part hereof, and in which is shown by way of illustration specific implementations in which the disclosure may be practiced. It is understood that other implementations may be utilized and structural changes may be made without departing from the scope of the present disclosure. References in the specification to "one

embodiment,” “an embodiment,” “an example embodiment,” etc., indicate that the embodiment described may include a particular feature, structure, or characteristic, but every embodiment may not necessarily include the particular feature, structure, or characteristic. Moreover, such phrases are not necessarily referring to the same embodiment. Further, when a particular feature, structure, or characteristic is described in connection with an embodiment, it is submitted that it is within the knowledge of one skilled in the art to affect such feature, structure, or characteristic in connection with other embodiments whether or not explicitly described.

[00119] While various embodiments of the present disclosure have been described above, it should be understood that they have been presented by way of example only, and not limitation. It will be apparent to persons skilled in the relevant art that various changes in form and detail can be made therein without departing from the spirit and scope of the disclosure. Thus, the breadth and scope of the present disclosure should not be limited by any of the above-described exemplary embodiments, but should be defined only in accordance with the following claims and their equivalents. The foregoing description has been presented for the purposes of illustration and description. It is not intended to be exhaustive or to limit the disclosure to the precise form disclosed. Many modifications and variations are possible in light of the above teaching. Further, it should be noted that any or all of the aforementioned alternate implementations may be used in any combination desired to form additional hybrid implementations of the disclosure.

[00120] Further, although specific implementations of the disclosure have been described and illustrated, the disclosure is not to be limited to the specific forms or arrangements of parts so described and illustrated. The scope of the disclosure is to be defined by the claims appended hereto, any future claims submitted here and in different applications, and their equivalents.

CLAIMS

What is claimed is:

1. A vehicle comprising:

a body;

a cabin located within the body of the vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;

at least one seat located in the interior of the cabin that is configured for seating a user;

at least one door that provides ingress and egress to the interior of the cabin of the vehicle;

wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat.

2. The vehicle of claim 1, wherein the vehicle is an electric vehicle comprising a battery pack that is coupled to an electric drive train.

3. The vehicle of claim 1, wherein the vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.

4. The vehicle of claim 1, wherein the vehicle comprises only a single door.

5. The vehicle of claim 4, wherein the single door is located on a driver's side of the vehicle.

6. The vehicle of claim 4, wherein the single door is located on a passenger's side of the vehicle.

7. The vehicle of claim 1, wherein the at least one door of the vehicle comprises a first door and a second door.

8. The vehicle of claim 7, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

9. The vehicle of claim 1, wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

10. The vehicle of claim 9, wherein the at least one door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.

11. The vehicle of claim 10, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.
12. The vehicle of claim 1, wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.
13. The vehicle of claim 1, wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.
14. The vehicle of claim 1, wherein there is no additional door that is located in front of, the at least one door providing ingress or egress into the interior of the cabin.
15. The vehicle of claim 1, wherein the at least one door comprises a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.
16. The vehicle of claim 1, wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.
17. The vehicle of claim 1, wherein the vehicle is a semi-truck.

18. The vehicle of claim 1, wherein the vehicle is an electric driven class 7 semi-truck.
19. The vehicle of claim 1, wherein the vehicle is an electric driven class 8 semi-truck.
20. The vehicle of claim 1, wherein the vehicle further comprises a sleeper within the cabin.
21. The vehicle of claim 20, wherein the at least one door opens into the sleeper of the cabin.
22. The vehicle of claim 20, wherein the sleeper comprises a bunk bed, a cooling appliance having a volume that is at least 15 cubic feet, and a microwave oven.
23. The vehicle of claim 1, wherein the cabin comprises a driver's seat and a passenger's seat, and wherein access to either of the driver's seat or the passenger's seat is provided between the passenger's seat and the driver's seat.
24. The vehicle of claim 1, wherein an opening into the cabin comprises a clearance that is at least six feet five inches in height.

25. The vehicle of claim 20, wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.

26. The vehicle of claim 1, wherein the vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

27. The vehicle of claim 26, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

28. A vehicle comprising:

a body comprising a front end and a rear end;
a plurality of front wheels located proximally with respect to the body and a plurality of rear wheels located distally with respect to the body, wherein the front wheels comprise a first rear most location that is a first distance from the front end of the body and a second front most location that is a second distance from the front end of the body, wherein the first distance is greater than the second distance;

a cabin located within the body, wherein the cabin comprises an interior with at least one seat located in the interior that is configured for seating at least one person;

wherein a majority of the at least one seat is located within the first distance of the front wheels.

29. The vehicle of claim 28, wherein the body of the vehicle comprises a plurality of front wheel wells that correspond to the plurality of front wheels, wherein the front wheel wells comprise a front most portion and a rear most portion with a horizontal distance therebetween, wherein the entirety of the at least one seat is located within the horizontal distance of the front wheel wells.

30. The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin, wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat.

31. The vehicle of claim 30, wherein the body of the vehicle comprises an opening having a width and a height that corresponds with the at least one door, wherein there is no seat inside the cabin that obstructs the width of the opening.

32. The vehicle of claim 28, wherein the vehicle is an electric vehicle comprising a plurality of electric motors and a plurality of gear trains that each correspond with each of the plurality of electric motors.

33. The vehicle of claim 28, wherein the vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.

34. The vehicle of claim 28, further comprising a single door that provides ingress and egress to the interior of the cabin of the vehicle.

35. The vehicle of claim 34, wherein the single door is located on a driver's side of the vehicle.

36. The vehicle of claim 34, wherein the single door is located on a passenger's side of the vehicle.

37. The vehicle of claim 28, further comprising a first door and a second door that each provide ingress and egress to the interior of the cabin of the vehicle.

38. The vehicle of claim 37, wherein at least one of the first door or the second door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

39. The vehicle of claim 38, wherein the at least one of the first door or the second door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.

40. The vehicle of claim 37, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

41. The vehicle of claim 38, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.

42. The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.

43. The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.

44. The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein there is no additional

door that is located in front of the at least one door providing ingress or egress into the interior of the cabin.

45. The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door comprises a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.

46. The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.

47. The vehicle of claim 28, wherein the vehicle is a semi-truck.

48. The vehicle of claim 28, wherein the vehicle is an electric driven class 7 semi-truck.

49. The vehicle of claim 28, wherein the vehicle is an electric driven class 8 semi-truck.

50. The vehicle of claim 28, wherein the vehicle further comprises a sleeper within the cabin.

51. The vehicle of claim 50, wherein the sleeper comprises a bunk bed, a refrigerator having a volume that is at least 15 cubic feet, a table, and a microwave oven.

52. The vehicle of claim 50, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.

53. The vehicle of claim 28, wherein an opening into the cabin comprises a height that is at least six feet five inches.

54. The vehicle of claim 28, wherein the cabin comprises a driver's seat and a passenger's seat, wherein access to either of the driver's seat or the passenger's seat is provided between the passenger's seat and the driver's seat.

55. The vehicle of claim 28, wherein the vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

56. The vehicle of claim 28, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

57. The vehicle of claim 1, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

58. The vehicle of claim 28, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

ABSTRACT

Systems, methods, and devices for a vehicle door or window are disclosed herein. A vehicle includes a vehicle body and a cabin located within the body of the vehicle, wherein the cabin includes an interior that is configured to accommodate at least one person. The vehicle includes at least one seat located in the interior of the cabin that is configured for seating a user. The vehicle includes at least one door that provides ingress and egress to the interior of the cabin of the vehicle, and the at least one door is located with respect to the body such that the door opens to provide ingress and egress into the cabin from a backside of the seat.

Electronic Acknowledgement Receipt	
EFS ID:	27943758
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	30-DEC-2016
Filing Date:	
Time Stamp:	19:08:09
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Drawings-only black and white line drawings	FIGS_BGT0012NP.pdf	2957648 4305c06dc224c01606216c1fb5f7692fc9571 d48	no	9

Warnings:

Information:					
2	Application Data Sheet	ADS_Final_BGT0012NP.pdf	1823449 33c9da321bb5ff33fa5e66369482457e09c7 1bbe	no	9
Warnings:					
Information:					
3		Specification_BGT0012NP.pdf	184827 d03981af9aeb6331b23bbf96337fe2a21d6 92da4	yes	48
Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Specification			1	36	
Claims			37	47	
Abstract			48	48	
Warnings:					
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Total Files Size (in bytes):					4965924
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Application Number: 15396209

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/396,209	12/30/2016	3612	0.00	BGT-0012.NP	58	2

CONFIRMATION NO. 5158

112802

TechLaw Ventures, PLLC
3290 West Mayflower Way
Lehi, UT 84043

FILING RECEIPT

OC000000088433898

Date Mailed: 01/12/2017

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

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Assignment For Published Patent Application

Bluegentech LLC, Salt Lake City, UT

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CIP of 15/357,350 11/21/2016
which claims benefit of 62/391,745 05/09/2016
This application 15/396,209
claims benefit of 62/273,256 12/30/2015
and claims benefit of 62/391,745 05/09/2016

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 01/11/2017

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/396,209**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

Preliminary Class

296

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP

CONFIRMATION NO. 5158

112802

TechLaw Ventures, PLLC
3290 West Mayflower Way
Lehi, UT 84043



OC000000088433897

Date Mailed: 01/12/2017

FORMALITIES LETTER

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
- The application search fee must be submitted.
- The application examination fee must be submitted.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121(d) are required. The drawings submitted are not acceptable because:
 - The drawings must be made on paper that has a white background (see 37 CFR 1.84(e)). For example, drawings on graph paper, lined paper, or paper that has a non-white background are not acceptable. See Figure(s) 2,5,6,7,8.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

- Additional claim fees of \$ **1520** as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.

The surcharge is due for any one of:

- late submission of the basic filing fee, search fee, or examination fee,
- late submission of inventor's oath or declaration,
- filing an application that does not contain at least one claim on filing, or
- submission of an application filed by reference to a previously filed application.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. Small entity discount is in effect. If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- **\$ 70** basic filing fee.
- **\$ 70** surcharge.
- **\$ 300** search fee.
- **\$ 360** examination fee.
- **\$ 1520** for **38** total claims over 20.
- **\$(0)** previous unapplied payment amount.
- **\$ 2320** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):

Trevor R. Milton

Steve Jennes

Markus Scholten

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/zretta/

PATENT APPLICATION FEE DETERMINATION RECORD						Application or Docket Number 15/396,209	
Substitute for Form PTO-875							
APPLICATION AS FILED - PART I							
(Column 1)			(Column 2)				
FOR	NUMBER FILED	NUMBER EXTRA	SMALL ENTITY			OTHER THAN SMALL ENTITY	
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A	N/A	70		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	300		N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	58 minus 20 = *	38	N/A	360		N/A	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 minus 3 = *		x 40 =	1520			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			x 210 =	0.00		
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL	2250
						TOTAL	
APPLICATION AS AMENDED - PART II							
(Column 1)			(Column 2)			(Column 3)	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		OTHER THAN SMALL ENTITY
	Total (37 CFR 1.16(j))	*	Minus	**	=	RATE(\$)	ADDITIONAL FEE(\$)
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =	RATE(\$)
	Application Size Fee (37 CFR 1.16(s))					x =	ADDITIONAL FEE(\$)
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		OTHER THAN SMALL ENTITY
	Total (37 CFR 1.16(j))	*	Minus	**	=	x =	RATE(\$)
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =	ADDITIONAL FEE(\$)
	Application Size Fee (37 CFR 1.16(s))					x =	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	TOTAL ADD'L FEE
(Column 1)			(Column 2)			(Column 3)	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		OTHER THAN SMALL ENTITY
	Total (37 CFR 1.16(j))	*	Minus	**	=	RATE(\$)	ADDITIONAL FEE(\$)
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =	RATE(\$)
	Application Size Fee (37 CFR 1.16(s))					x =	ADDITIONAL FEE(\$)
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	TOTAL ADD'L FEE

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	TREVOR R. MILTON, et al.	PRELIMINARY AMENDMENT
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	_____	
ART UNIT:	3612	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Madam:

Preliminary to the examination of the above-captioned application, please enter this
Amendment and consider the above captioned application in view of the amendments and the
remarks provided below.

Please amend the above-captioned application as follows:

Amendments to the claims begin on page 2 of this paper.

Remarks begin on page 8 of this paper.

IN THE CLAIMS:

The following listing of the patent claims replaces any previous listing of the patent claims. Any amendments to the patent claims are made without prejudice to any future submissions of the original claims.

1. (Original) A vehicle comprising:

a body;
a cabin located within the body of the vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;
at least one seat located in the interior of the cabin that is configured for seating a user;
at least one door that provides ingress and egress to the interior of the cabin of the vehicle;
wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat.

2. (Original) The vehicle of claim 1, wherein the vehicle is an electric vehicle comprising a battery pack that is coupled to an electric drive train.

3. (Original) The vehicle of claim 1, wherein the vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.
4. (Original) The vehicle of claim 1, wherein the vehicle comprises only a single door.
5. (Original) The vehicle of claim 4, wherein the single door is located on a driver's side of the vehicle.
6. (Original) The vehicle of claim 4, wherein the single door is located on a passenger's side of the vehicle.
7. (Original) The vehicle of claim 1, wherein the at least one door of the vehicle comprises a first door and a second door.
8. (Original) The vehicle of claim 7, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

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9. (Original) The vehicle of claim 1, wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.
10. (Original) The vehicle of claim 9, wherein the at least one door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.
11. (Original) The vehicle of claim 10, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.
12. (Original) The vehicle of claim 1, wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.
13. (Original) The vehicle of claim 1, wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.
14. (Original) The vehicle of claim 1, wherein there is no additional door that is located in front of, the at least one door providing ingress or egress into the interior of the cabin.

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15. (Original) The vehicle of claim 1, wherein the at least one door comprises a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.

16. (Original) The vehicle of claim 1, wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.

17. (Original) The vehicle of claim 1, wherein the vehicle is a semi-truck.

18. (Original) The vehicle of claim 1, wherein the vehicle is an electric driven class 7 semi-truck.

19. (Original) The vehicle of claim 1, wherein the vehicle is an electric driven class 8 semi-truck.

20. (Original) The vehicle of claim 1, wherein the vehicle further comprises a sleeper within the cabin.

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21. (Original) The vehicle of claim 20, wherein the at least one door opens into the sleeper of the cabin.
22. (Original) The vehicle of claim 20, wherein the sleeper comprises a bunk bed, a cooling appliance having a volume that is at least 15 cubic feet, and a microwave oven.
23. (Original) The vehicle of claim 1, wherein the cabin comprises a driver's seat and a passenger's seat, and wherein access to either of the driver's seat or the passenger's seat is provided between the passenger's seat and the driver's seat.
24. (Original) The vehicle of claim 1, wherein an opening into the cabin comprises a clearance that is at least six feet five inches in height.
25. (Original) The vehicle of claim 20, wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.
26. (Original) The vehicle of claim 1, wherein the vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

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27. (Original) The vehicle of claim 26, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

28-56 (Cancel).

57. (Original) The vehicle of claim 1, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

58. (Cancel).

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REMARKS

Claims 1-58 are presented for consideration by the Examiner. Claims 28-56 and 58 are being canceled in this Preliminary Amendment, leaving claims 1-27 and 57 pending. No new matter has been added. In view of the foregoing, Applicant believes that claims 1-27 and 57 are all allowable and the same is respectfully requested. If any impediment to the allowance of these claims remains after entry of this Preliminary Amendment, and such impediment could be alleviated during a telephone interview, the Examiner is invited to initiate the same.

DATED this 12th day of April, 2017.

Respectfully submitted,



Terrence J. Edwards
Attorney Registration No. 50,254

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Electronic Patent Application Fee Transmittal				
Application Number:	15396209			
Filing Date:	30-Dec-2016			
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW			
First Named Inventor/Applicant Name:	Trevor R. Milton			
Filer:	Terrence J. Edwards			
Attorney Docket Number:	BGT-0012.NP			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	70	70
UTILITY SEARCH FEE	2111	1	300	300
UTILITY EXAMINATION FEE	2311	1	360	360
Pages:				
CLAIMS IN EXCESS OF 20	2202	6	40	240
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	2051	1	70	70

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 1 month with \$0 paid	2251	1	100	100
Miscellaneous:				Total in USD (\$) 1140

Electronic Acknowledgement Receipt	
EFS ID:	28911851
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	12-APR-2017
Filing Date:	30-DEC-2016
Time Stamp:	19:23:04
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$1140
RAM confirmation Number	041317INTEFSW19243500
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	ResponsetoMissingParts_BGT012NP.pdf	42359 95807717e21c3074e0118b955fd56ef0fb82 902a	no	3
Warnings:					
Information:					
2	Oath or Declaration filed	Declaration_Steve_JennessignedBGT0012NP.pdf	165150 fc8ec5a46fa37006a5ca15ef8ac31deb00111 3bd	no	2
Warnings:					
Information:					
3	Oath or Declaration filed	Declaration_Trevor_MiltonsignedBGT0012NP.pdf	168939 15df1389e2d513b395b5fe31252f83ca6a0c 9086	no	2
Warnings:					
Information:					
4	Oath or Declaration filed	Declaratoin_Markus_ScholtensiignedBGT0012NP.pdf	166236 e7ffe9438cfdeb04046a919a6caa0cbea285 d11	no	2
Warnings:					
Information:					
5	Power of Attorney	Power_of_Attorney_BGT0012NP.pdf	303502 15235f46ecd2f13f308f6bcb3499b9ee330 df08	no	2
Warnings:					
Information:					
6	Assignee showing of ownership per 37 CFR 3.73	Statement_of_Assignee_BGT0012NP.pdf	118028 a5c6ffa4cd62d311df3021dfd767c6a10f72e eb5	no	3
Warnings:					
Information:					

7	Drawings-only black and white line drawings	Figures_BGT0012NP_Replacement.pdf	2656293 7634af69cea269c8b99ebb1932899aeb705 520f7	no	5
Warnings:					
Information:					
8	Preliminary Amendment	Preliminary_Amendment_BGT0012NP.pdf	55861 c480bdb7be16a952967b1587300514e651 58ad59	no	8
Warnings:					
Information:					
9	Fee Worksheet (SB06)	fee-info.pdf	40450 7f090071d71cd4680930606702e070bcf73 36d7f	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				3716818	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p>New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p>National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p>New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR:	TREVOR R. MILTON, et al.	RESPONSE TO NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
ART UNIT:	3612	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Madam:

A *Notice to File Missing Parts of Nonprovisional Application* was mailed January 12, 2017. An extendable deadline of two months from the mailing date was provided in the January 12, 2017 *Notice to File Missing Parts of Nonprovisional Application*. This *Response* is being filed with a one month extension of time.

Amendments to the Drawings begins on Page 2 of this paper.

Remarks begin on Page 3 of this paper.

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Amendments to the Drawings

Please enter the attached Replacement Sheets of drawings. The Replacement Sheets replace pages 2, 5, 6, 7 and 8 of the originally filed drawings. The attached Replacement Sheets of drawings contain no new matter.

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- 2 -

REMARKS

A *Notice to File Missing Parts of Nonprovisional Application* (“*Notice*”) was mailed January 12, 2017 raising informal requirements that must be corrected to avoid abandonment. Every informal requirement raised in the *Notice* has been addressed previously or by this Response.

Specifically, the *Notice* required Applicant to “provide replacement drawings in compliance with 37 C.F.R. 1.84 and 37 C.R.F. 1.121(d).”

In response to the *Notice* mailed January 12, 2017, Applicant is providing amended drawings as Replacement Sheets for FIGS. 2, 5, 6, 7 and 8, which address the objection in the *Notice*. The Replacement Sheets contain no new matter.

Accordingly, in view of the above, Applicant believes that no further action or amendments are necessary. Applicant believes that all the informal requirements have been addressed and a finding of the same is respectfully requested. If any impediment remains to moving this application forward toward issuance, and such impediment could be alleviated during a telephone interview, the Examiner is invited to initiate the same with the undersigned.

DATED this 12th day of April, 2017.

Respectfully submitted,



Terrence J. Edwards
Attorney Registration No. 50,254

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
--------------------	--

As the below named inventor, I hereby declare that:

This declaration is directed to: The attached application, or
 United States application or PCT international application number 15/396,209
 filed on December 30, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

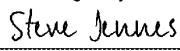
LEGAL NAME OF INVENTOR

Inventor: Steve Jennes

DocuSigned by:

Date (Optional): _____

Signature: _____



B00346970E5B48F

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
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8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
--------------------	--

As the below named inventor, I hereby declare that:

This declaration is directed to: The attached application, or
 United States application or PCT international application number 15/396,209
 filed on December 30, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

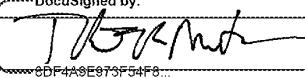
LEGAL NAME OF INVENTOR

Inventor: Trevor R. Milton

DocuSigned by:

Date (Optional): _____

Signature: _____


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Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
--------------------	--

As the below named inventor, I hereby declare that:

This declaration is directed to: The attached application, or
 United States application or PCT international application number 15/396,209
 filed on December 30, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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LEGAL NAME OF INVENTOR

Inventor: Markus Scholten

DocuSigned by:

Date (Optional): _____

Signature: _____

Markus Scholten

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Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Trevor R. Milton, et al.

Application No./Patent No.: 15/396,209 Filed/Issue Date: December 30, 2016

Titled: SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

Bluegentech LLC, a limited liability company

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose one of options 1, 2, 3 or 4 below):

1. The assignee of the entire right, title, and interest.

2. An assignee of less than the entire right, title, and interest (check applicable box):

The extent (by percentage) of its ownership interest is _____ %. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:
-

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose one of options A or B below):

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 041016, Frame 0173, or for which a copy thereof is attached.

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Terrence J. Edwards/

April 12, 2017

Signature

Date

Terrence J. Edwards

50254

Printed or Typed Name

Title or Registration Number

[Page 2 of 2]

Privacy Act Statement

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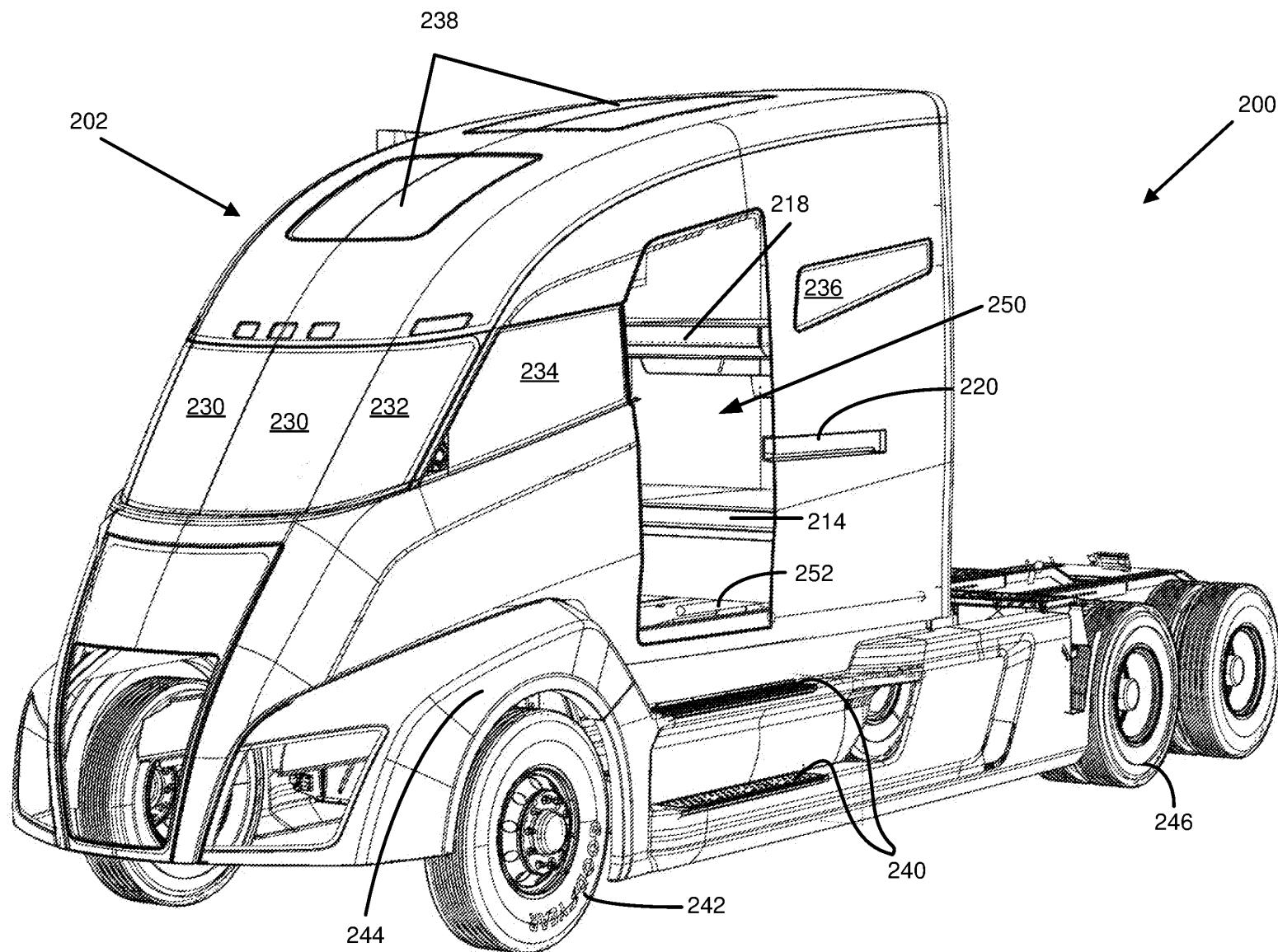


FIG. 2

REPLACEMENT SHEET

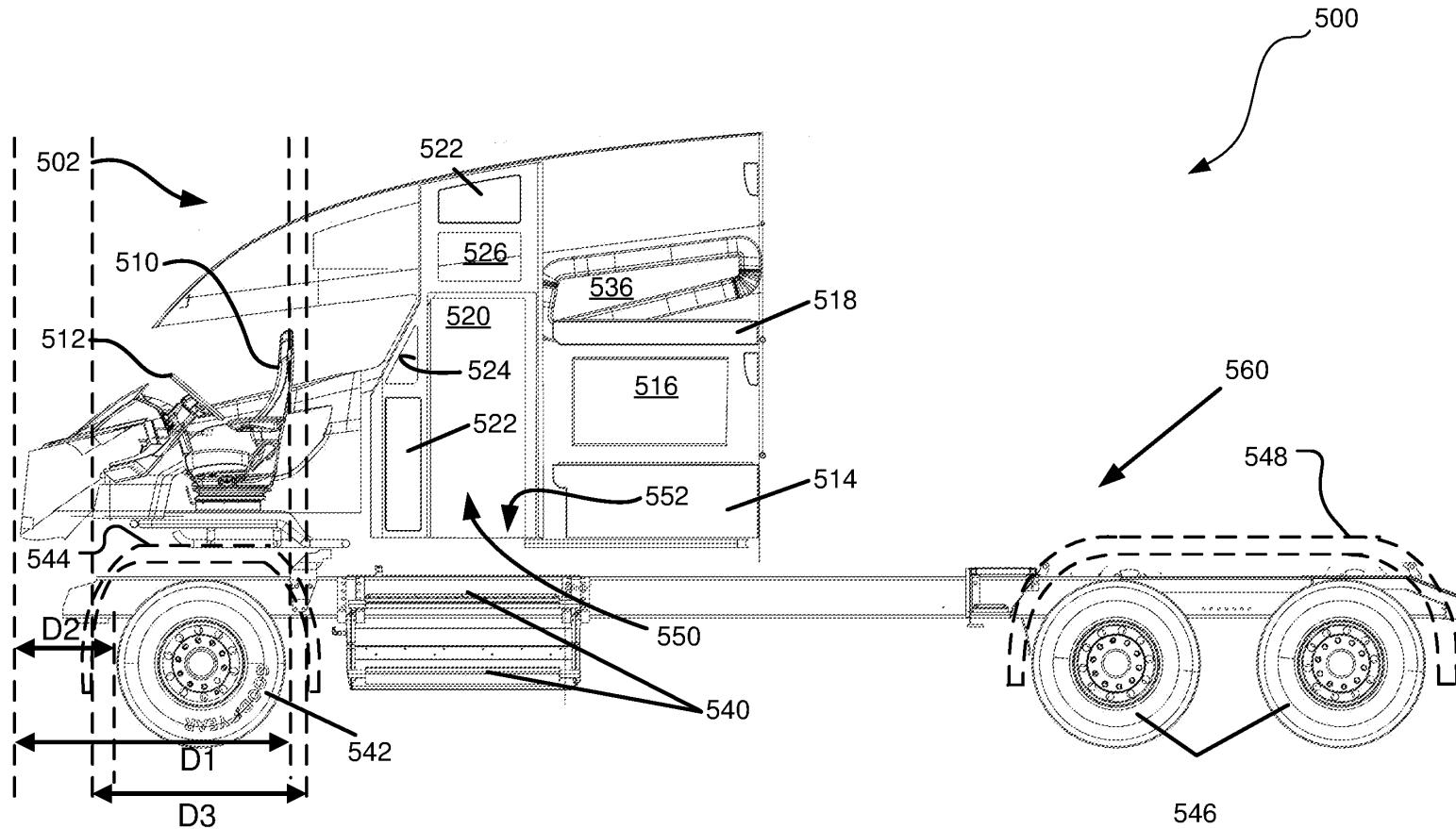
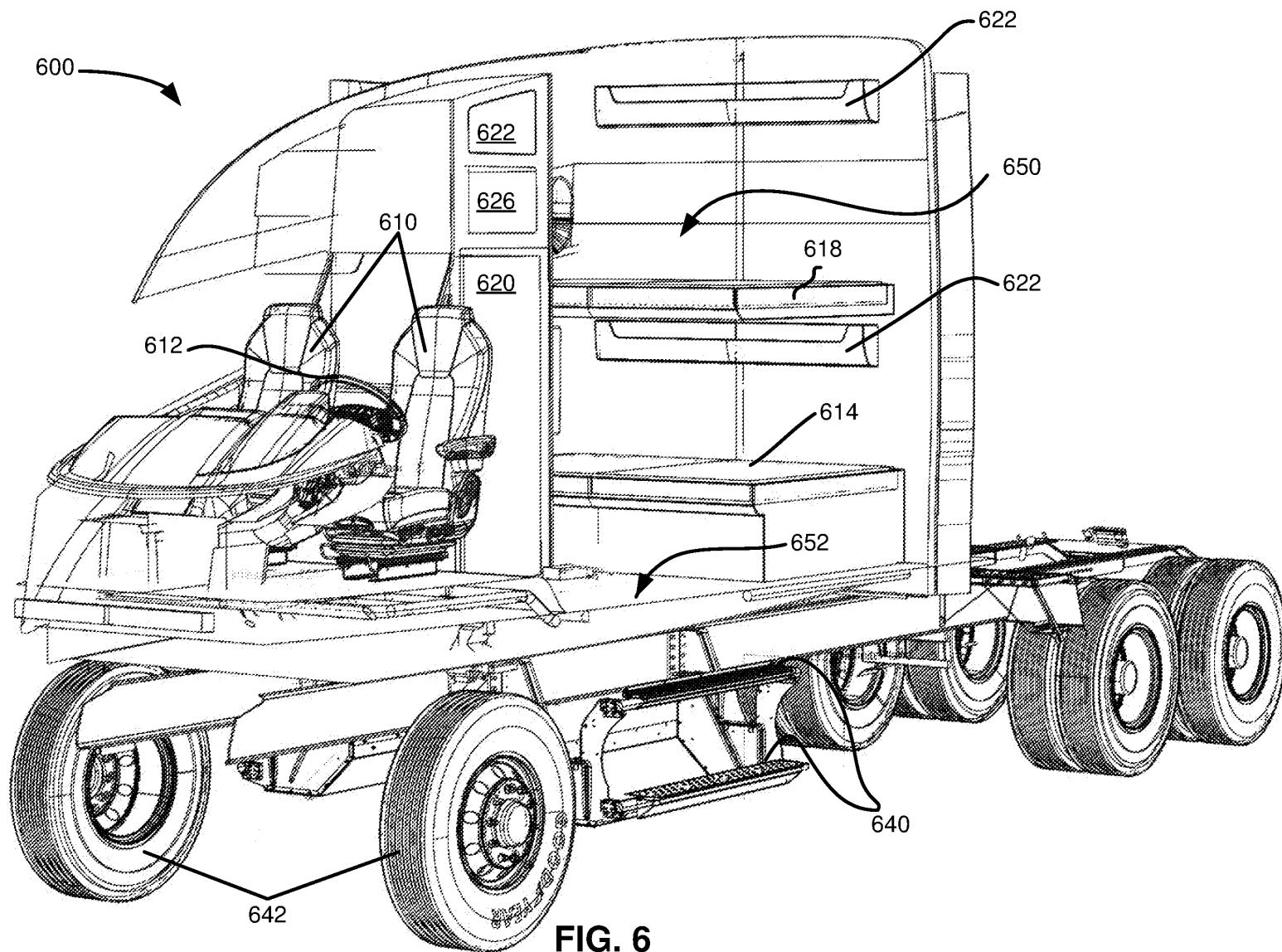


FIG. 5



REPLACEMENT SHEET

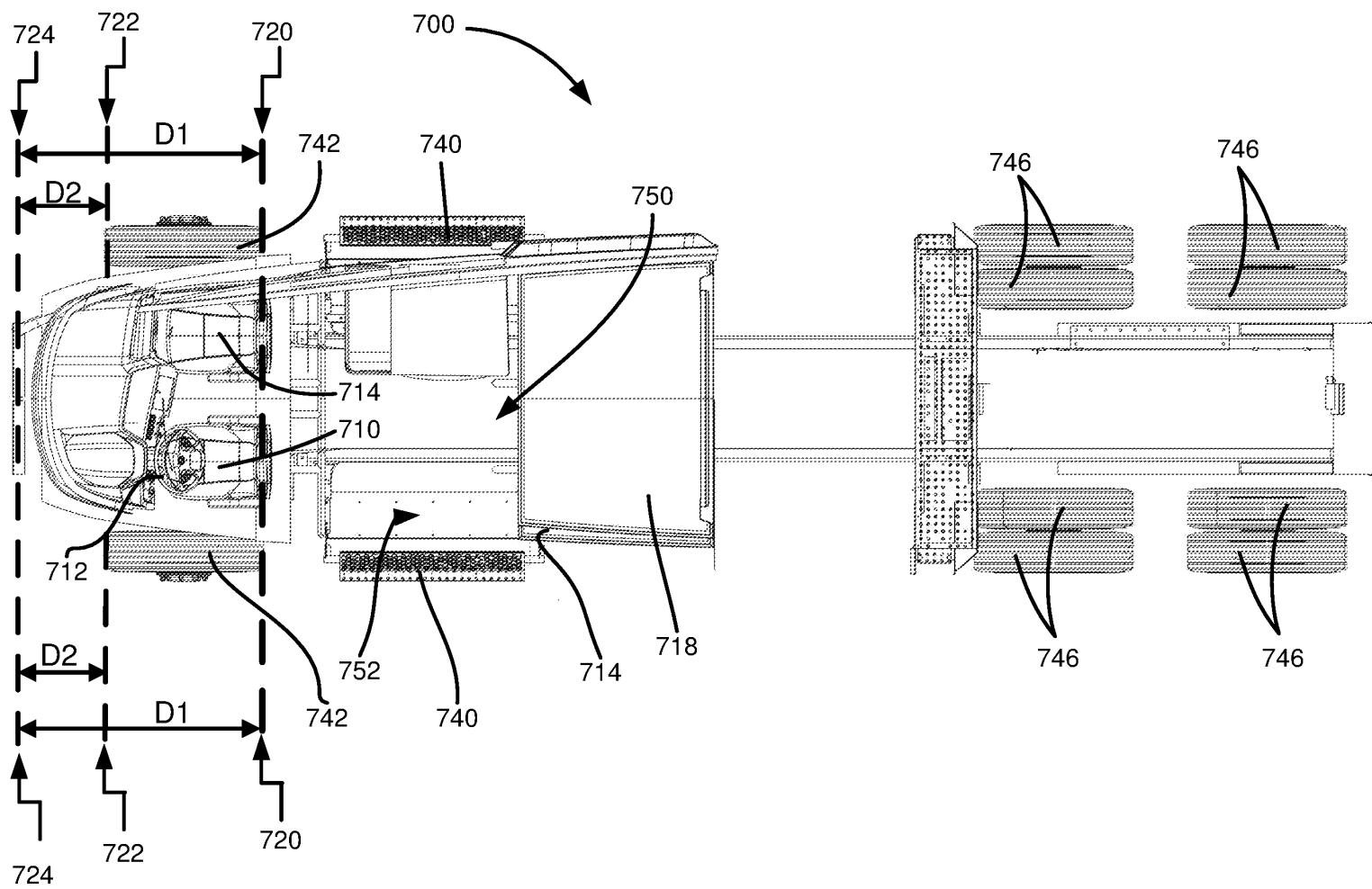


FIG. 7

REPLACEMENT SHEET

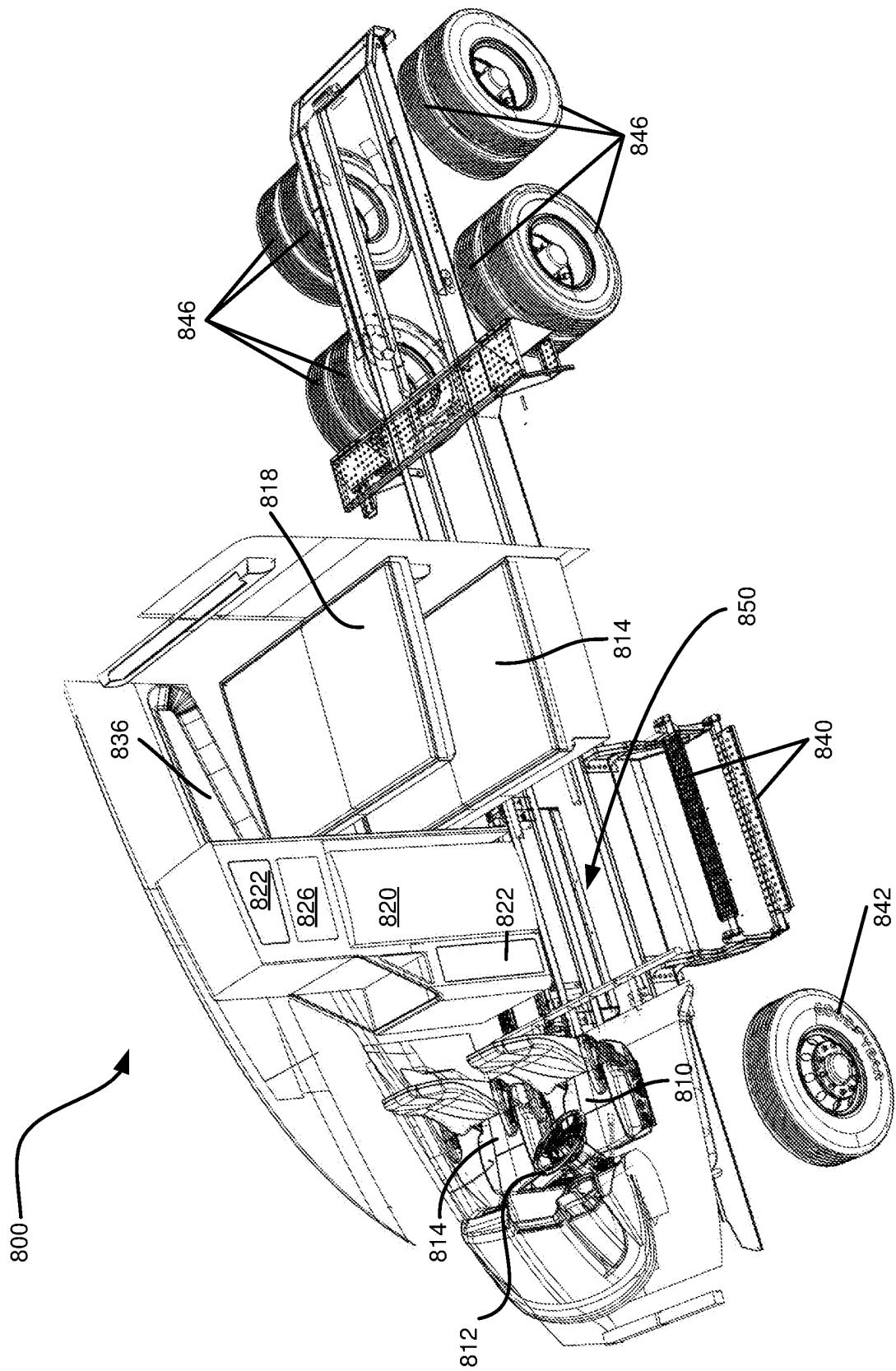


FIG. 8

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	15/396,209
Filing Date	December 30, 2016
First Named Inventor	Trevor R. Milton, et al.
Title	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
Art Unit	
Examiner Name	
Attorney Docket Number	BGT-0012.NP

SIGNATURE of Applicant or Patent Practitioner			
Signature	/Terrence J. Edwards/	Date (Optional)	04/12/2017
Name	Terrence J. Edwards	Registration Number	50254
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			
NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.			
<input type="checkbox"/> *Total of _____ forms are submitted.			

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

- I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 112802
- OR
- I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

- The address associated with the above-mentioned Customer Number

OR

- The address associated with Customer Number:

OR

Firm or Individual Name	
-------------------------	--

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Blugentech LLC

- Inventor or Joint Inventor (title not required below)
- Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Britton M. Northern

Date (Optional)

Name

Britton M. Northern

Title

General Counsel

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

Total of

forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP

CONFIRMATION NO. 5158

POA ACCEPTANCE LETTER



OC000000090620428

Date Mailed: 04/17/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/12/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/eggolla/



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP

CONFIRMATION NO. 5158

FORMALITIES LETTER



OC0000000090621075

Date Mailed: 04/17/2017

112802
TechLaw Ventures, PLLC
3290 West Mayflower Way
Lehi, UT 84043

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

The U.S. Patent and Trademark Office has received your reply on 04/12/2017 to the Notice to File Missing Parts (Notice) mailed 01/12/2017 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice. A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Applicant is given **TWO MONTHS** from the date of the Notice to File Missing Parts (Notice) mailed 01/12/2017 within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

Items Required to Avoid Abandonment:

The required items noted below SHOULD be filed along with any items required above. The filing date of this nonprovisional application will be the date of receipt of the items required above.

- Additional claim fees of **\$ 80** as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of the Notice to avoid abandonment is/are itemized below. Small entity discount is in effect. If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- **\$ 320** for **8** total claims over 20.
- **\$(240)** previous unapplied payment amount.
- **\$ 80** TOTAL FEE BALANCE DUE.

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/eggolla/

PATENT APPLICATION FEE DETERMINATION RECORD						Application or Docket Number 15/396,209		
Substitute for Form PTO-875								
APPLICATION AS FILED - PART I								
(Column 1)			(Column 2)					
FOR	NUMBER FILED	NUMBER EXTRA	SMALL ENTITY			OTHER THAN SMALL ENTITY		
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	70		N/A		
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	300		N/A		
TOTAL CLAIMS (37 CFR 1.16(l))	28 minus 20 = *	8	N/A	360		N/A		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 = *		x 40 =	320				
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			x 210 =	0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))								
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL	1050	
						TOTAL		
APPLICATION AS AMENDED - PART II								
(Column 1)			(Column 2)			(Column 3)		
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		OTHER THAN SMALL ENTITY	
	Total (37 CFR 1.16(l))	*	Minus	**	=	RATE(\$)	ADDITIONAL FEE(\$)	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	
	Application Size Fee (37 CFR 1.16(s))						x	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		OTHER THAN SMALL ENTITY	
	Total (37 CFR 1.16(l))	*	Minus	**	=	RATE(\$)	ADDITIONAL FEE(\$)	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	
	Application Size Fee (37 CFR 1.16(s))						x	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
						TOTAL ADD'L FEE		
						TOTAL ADD'L FEE		
						RATE(\$)	ADDITIONAL FEE(\$)	
						x	=	
						x	=	
						TOTAL ADD'L FEE		
						RATE(\$)	ADDITIONAL FEE(\$)	
						x	=	
						x	=	
						TOTAL ADD'L FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	TREVOR R. MILTON, et al.	RESPONSE TO NOTICE OF INCOMPLETE REPLY
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	_____	
ART UNIT:	3612	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Madam:

A *Notice of Incomplete Reply (Nonprovisional)* was mailed April 17, 2017. An extendable deadline of two months was provided in the *Notice of Incomplete Reply* from the mailing date of the *Notice to File Missing Parts of Nonprovisional Application*, which was mailed January 12, 2017. Applicant is now filing a two-month extension of time along with payment sufficient to cover the fee for the extension simultaneously with this *Response*. This *Response* is therefore timely filed.

Remarks begin on Page 2 of this paper.

REMARKS

A *Notice of Incomplete Reply (Nonprovisional)* (“Notice”) was mailed April 17, 2017 raising an informal requirement that must be corrected to avoid abandonment. Applicant filed a Response to Missing Parts on April 12, 2017 addressing the informal requirement raised in the Notice in compliance with the patent laws and rules. Applicant’s April 12, 2017 response, inadvertently omitted an additional claim fee of \$80.

Applicant is now providing the additional claim fee of \$80 in compliance with the *Notice of Incomplete Reply (Nonprovisional)*, along with an extension of time fee. Applicant previously submitted a one-month extension of time fee of \$100, when Applicant responded to the *Notice to File Missing Parts of Nonprovisional Application* on April 12, 2017. Pursuant to 37 C.F.R. 1.136, Applicant is incorporating the previously paid one-month extension of time fee with today’s two-month extension of time fee (i.e, the \$100 extension paid by Applicant on April 12, 2017 plus \$200 being paid today equals the two-month extension of \$300 due today).

In view of the above, Applicant believes that no further action or amendments are necessary. Applicant believes that all of the informal requirements have been addressed and a finding of the same is respectfully requested.

If any impediment remains to moving this application forward toward issuance, and such impediment could be alleviated during a telephone interview, the Examiner is invited to initiate the same with the undersigned.

DATED this 10th day of May, 2017.

Respectfully submitted,



Terrence J. Edwards
Attorney Registration No. 50,254

TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
Telephone: (801) 854-7675

Electronic Patent Application Fee Transmittal				
Application Number:	15396209			
Filing Date:	30-Dec-2016			
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW			
First Named Inventor/Applicant Name:	Trevor R. Milton			
Filer:	Terrence J. Edwards			
Attorney Docket Number:	BGT-0012.NP			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
CLAIMS IN EXCESS OF 20	2202	2	40	80
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Extension - 2 months with \$100 paid	2252	1	200	200
Miscellaneous:				
Total in USD (\$)				280

Electronic Acknowledgement Receipt	
EFS ID:	29171132
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	10-MAY-2017
Filing Date:	30-DEC-2016
Time Stamp:	14:29:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$280
RAM confirmation Number	051117INTEFSW14303200
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Response to Pre-Exam Formalities Notice	Response_Nonce_Incomplete_Reply_BGT0012NP.pdf	40060 3805248e676abeab69a5e6af2b45d8ef1b3 09688	no	3
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32747 b466998651e71c99a973122e07c179fbcfbb 7e79	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				72807	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p>New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p>National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p>New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

PATENT APPLICATION FEE DETERMINATION RECORD						Application or Docket Number 15/396,209	
Substitute for Form PTO-875							
APPLICATION AS FILED - PART I							
(Column 1)			(Column 2)				
FOR	NUMBER FILED	NUMBER EXTRA	SMALL ENTITY			OTHER THAN SMALL ENTITY	
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	70		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	300		N/A	
TOTAL CLAIMS (37 CFR 1.16(l))	28 minus 20 = *	8	N/A	360		N/A	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 = *		x 40 =	320			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).		x 210 =	0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL	1050
						TOTAL	
APPLICATION AS AMENDED - PART II							
(Column 1)			(Column 2)			(Column 3)	
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY	OTHER THAN SMALL ENTITY
	Total (37 CFR 1.16(l))	*	Minus	**	=	RATE(\$)	ADDITIONAL FEE(\$)
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =	RATE(\$)
	Application Size Fee (37 CFR 1.16(s))					x =	ADDITIONAL FEE(\$)
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						TOTAL ADD'L FEE
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY	OTHER THAN SMALL ENTITY
	Total (37 CFR 1.16(l))	*	Minus	**	=	RATE(\$)	ADDITIONAL FEE(\$)
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =	RATE(\$)
	Application Size Fee (37 CFR 1.16(s))					x =	ADDITIONAL FEE(\$)
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						TOTAL ADD'L FEE

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/396,209	12/30/2016	3612	1120	BGT-0012.NP	28	1

CONFIRMATION NO. 5158

UPDATED FILING RECEIPT

112802
TechLaw Ventures, PLLC
3290 West Mayflower Way
Lehi, UT 84043



OC000000091327733

Date Mailed: 05/15/2017

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Trevor R. Milton, Salt Lake City, UT;
Steve Jennes, Fullerton, CA;
Markus Scholten, Irvine, CA;

Applicant(s)

Bluegentech LLC, Salt Lake City, UT;

Assignment For Published Patent Application

Bluegentech LLC, Salt Lake City, UT

Power of Attorney: The patent practitioners associated with Customer Number 112802

Domestic Priority data as claimed by applicant

This application is a CIP of 15/357,350 11/21/2016
which claims benefit of 62/391,745 05/09/2016
This application 15/396,209
claims benefit of 62/273,256 12/30/2015
and claims benefit of 62/391,745 05/09/2016

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 01/11/2017

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/396,209**

Projected Publication Date: 08/24/2017

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

Preliminary Class

296

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	15396209
	Filing Date	2016-12-30
	First Named Inventor	Trevor R. Milton, et al.
	Art Unit	3612
	Examiner Name	
	Attorney Docket Number	BGT-0012.NP

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	4301570	A	1981-11-24	Thomas	
	2	4932716	A	1990-06-12	Marlowe et al.	
	3	5025591	A	1991-06-25	DeLand et al.	
	4	6179312	B1	2001-01-30	Paschke et al.	
	5	6213531	B1	2001-04-10	Corey et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

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U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20090107050	A1	2009-04-30	Suzuki	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		15396209	
	Filing Date		2016-12-30	
	First Named Inventor		Trevor R. Milton, et al.	
	Art Unit		3612	
	Examiner Name			
	Attorney Docket Number		BGT-0012.NP	

	2	20110114398	A1	2011-05-19	Bianco	
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Examiner Signature Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	15396209
	Filing Date	2016-12-30
	First Named Inventor	Trevor R. Milton, et al.
	Art Unit	3612
	Examiner Name	
	Attorney Docket Number	BGT-0012.NP

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

- That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Terrence J. Edwards/	Date (YYYY-MM-DD)	2017-06-13
Name/Print	Terrence J. Edwards	Registration Number	50254

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The information provided by you in this form will be subject to the following routine uses:

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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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Electronic Acknowledgement Receipt	
EFS ID:	29477648
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	13-JUN-2017
Filing Date:	30-DEC-2016
Time Stamp:	12:21:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	IDS_BGT0012NP.pdf	629745 47f534489e88e5e569c0a99c5d67075cece7 0039	no	4

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.		
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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.		
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PLUS Search Results for S/N 15396209, Searched Wed Jul 26 10:03:13 EDT 2017

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4625210 99	5896554 78
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP	5158
112802	7590	08/03/2017	EXAMINER	
TechLaw Ventures, PLLC 3290 West Mayflower Way Lehi, UT 84043				SWENSON, BRIAN L
		ART UNIT		PAPER NUMBER
		3618		
		NOTIFICATION DATE		DELIVERY MODE
		08/03/2017		ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

terrence.edwards@techlawventures.com
docket@techlawventures.com

Office Action Summary	Application No. 15/396,209	Applicant(s) MILTON ET AL.	
	Examiner BRIAN SWENSON	Art Unit 3618	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 4/12/2017.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) Claim(s) 1-27 and 57 is/are pending in the application.
- 5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) Claim(s) _____ is/are allowed.
- 7) Claim(s) 1-27 and 57 is/are rejected.
- 8) Claim(s) _____ is/are objected to.
- 9) Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/phb/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) The specification is objected to by the Examiner.
- 11) The drawing(s) filed on 4/12/2017 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some** c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 3) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____ .
- 2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
 Paper No(s)/Mail Date 6/13/2017.
- 4) Other: _____ .

DETAILED ACTION

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

3. **Claim(s) 1, 7, 16, 17, 20-21 and 25 is/are rejected under 35 U.S.C. 102(a)(1) as being anticipated by U.S. Patent Publication No. 2008/0191515 issued to Hollenbeck.**

4. Regarding Claim 1, Hollenbeck teaches of a vehicle (21) comprising:
 - a body (25; Figure 1);
 - a cabin (27) located within the body of the vehicle (21), wherein the cabin (27) comprises an interior (see Figure 2) that is configured to accommodate at least one person;
 - at least one seat (shown in Figure 2) located in the interior of the cabin that is configured for seating a user;
 - at least one door (31) that provides ingress and egress to the interior of the cabin (27) of the vehicle (21);
 - wherein the at least one door (31) is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat (see Figure 1 where the door is shown to be located behind where the seat is shown in Figure 2).

5. Regarding **Claim 7**, Hollenbeck teaches the at least one door (31) of the vehicle comprises a first door (31) and a second door (Figure 1 shows a door located near element 29).

6. Regarding **Claim 16**, Hollenbeck teaches the at least one door (31) is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin (Figure 1 shows the door is approximately at the midpoint).

7. Regarding **Claim 17**, Hollenbeck teaches the vehicle is a semi-truck (see Figure 1).

8. Regarding **Claim 20**, Hollenbeck teaches the vehicle further comprises a sleeper (33) within the cabin (see Figure 2).

9. Regarding **Claim 21**, Hollenbeck teaches the at least one door (31) opens into the sleeper of the cabin (see paragraph [0012]).

10. Regarding **Claim 25**, Hollenbeck teaches an entry (29) into the cabin (27) of the vehicle provides full access to the at least one seat and the sleeper simultaneously (see Figure 2 and paragraph [0012]).

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

12. **Claims 2, 3, 18-19, and 57 is/are rejected under 35 U.S.C. 103 as being unpatentable over Hollenbeck in view of U.S. Patent Publication No. 2011/0114398 issued to Bianco (cited in the IDS filed 6/13/2017).**

13. Hollenbeck disclose the claimed invention except for disclosing the vehicle drive for the semi-truck. Specifically *in re claim 2* if an electric drive is used; *in re claim 3* if a combustion engine is used; *in re claim 18* if the vehicle is an electric drive class 7 semi; *in re claim 19* if the vehicle is an electric drive class 8 semi-truck; *in re claim 57* if the vehicle is hybrid drive.

14. Bianco teaches that it is known to provide a hybrid drive with an internal combustion engine (23), motor (20) and battery (22).

15. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a hybrid drive with a combustion engine and electric drive, as taught by Bianco, for the drive for the semi-truck taught by Hollenbeck. One would be motivated to provide a hybrid drive to reduce exhaust emissions. Regarding Claims 18-19, it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide the electric drive for a class 7 or class 8 semi-truck to allow the semi to meet appropriate hauling capacities as it has been held to be within the level of ordinary skill of a worker in the art to design the hauling capacity of the truck on the basis of its suitability for the intended use.

16. **Claim 4-6, 8, 12-14, and 22-24 is/are rejected under 35 U.S.C. 103 as being unpatentable over Hollenbeck, as disclosed above.**

17. Regarding Claim 4, Hollenbeck shows the vehicle has a door (31) and Hollenbeck shows (unlabeled) a door for the cab (23). However it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide only a single door. The selection of a single door would be a modification of no more than routine level, would be well within the ordinary practitioner's skill level and understanding, and would deliver a predictable associated

result. Further regarding Claims 5 and 6, it would also have been obvious to one having ordinary skill in the art at the time the invention was filed to provide the single door on driver's side of the vehicle *in re claim 5* or on a passenger's side of the vehicle *in re claim 6*, or *in re claim 8* to provide a first door on a driver's side and a second door on the passenger side; *in re claims 13-14* providing a single door would make the door the foremost door providing ingress or egress into the interior of the cabin, as all these variations would design choices within the ordinary practitioner's skill level and understanding, and would deliver a predictable associated result.

18. Regarding Claim 12, Hollenbeck does not explicitly disclose that the door (31) is hinged at one end to open and close the door. Hinged doors are notoriously well-known in the vehicle art, and it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a hinged door as an engineering expedient.

19. Regarding Claim 22, Hollenbeck teaches of a bunk (33) and microwave [paragraph 0016], but Hollenbeck does not explicitly disclose a cooling appliance with a volume of 15 cubic feet. However, it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a cooling device, such as a refrigerator/freezer, with a volume of 15 cubic feet. One would be motivated to provide a cooling device to allow an operator of semi-truck to store food.

20. Regarding Claim 23, Hollenbeck teaches the cabin comprises a driver's seat with access (29) but Hollenbeck does not explicitly teach of a passenger's seat. However it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a passenger's seat to provide the advantage of allowing the semi-truck to transport a passenger.

21. Regarding Claim 24, Hollenbeck does not state if the opening (29) into the cabin (27) comprises a clearance that is at least six feet five inches in height. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a clearance of six feet five inches to provide room for an operator to stand up fully in cabin.

22. **Claims 9-11 and 15 is/are rejected under 35 U.S.C. 103 as being unpatentable over Hollenbeck in view of U.S. Patent No. 6,904,717 issued to Clark et al.**

23. Hollenbeck disclose the claimed invention except for disclosing a door slide with an upper track, mid-track, and lower track *in re claim 9*, if the door moves outward *in re claim 10*, and *in re claim 11* if an activation signal turns on a drive motor to open and close the door.

24. Motorized doors with tracks are known in the art. Clark et al. teaches that it is known to provide a door with an upper track (10), mid-track (22), and lower track (12) controlled by an activation signal (402).

25. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide the tracked door structure, as taught by Clark et al., for the semi-taught by Hollenbeck. One would be motivated to provide the tracked door structure to allow an operator to open and close in a tight spaces, where the door may not be able to swing open, and to provide structure for opening and closing the door with a motor.

26. Regarding Claim 15, Hollenbeck disclose the claimed invention except for teaching of a load sensor to keep the door from closing.

27. Clark et al. teaches of an obstacle detection (504) that detects force on the door (see Col 23, line 48-Col. 24, line 48).

28. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide an obstacle detection step, as taught by Clark et al., in order to provide the advantage of opening the door if there is an obstacle to prevent damage to the door.

29. **Claims 26 and 27 is/are rejected under 35 U.S.C. 103 as being unpatentable over Hollenbeck in view of U.S. Patent No. 7,637,557 issued to Regnell et al.**

30. Hollenbeck disclose the claimed invention including showing a step (located near element 29 in Figure 1) but Hollenbeck does not show two steps and at least two handholds.

31. Regnell et al. teaches of two steps (12) and two handholds (14) for entering a semi-truck.

32. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide two steps and handholds, as taught by Regnell et al., for the semi-taught by Hollenbeck. One would be motivated to provide two steps and handholds to aid user in enter and exiting the semi-truck.

Conclusion

33. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRIAN SWENSON whose telephone number is (571)270-5572. The examiner can normally be reached on M-Th (8-5), Alternate F (8-4).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J. Allen Shriver can be reached on (303) 297-4337. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BRIAN SWENSON/
Primary Examiner, Art Unit 3618

<i>Notice of References Cited</i>			Application/Control No. 15/396,209	Applicant(s)/Patent Under Reexamination MILTON ET AL.	
			Examiner BRIAN SWENSON	Art Unit 3618	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2013/0069391 A1	03-2013	Hall; Gregory S.	B62D33/0612	296/190.11
*	B	US-5,083,834 A	01-1992	Moffatt; Eugene V.	B62D33/0612	296/166
*	C	US-4,436,177 A	03-1984	Elliston; Thomas L.	B62D33/06	180/324
*	D	US-4,351,554 A	09-1982	Miller; Gene H.	B62D33/0612	180/89.14
*	E	US-6,904,717 B2	06-2005	Clark; Marian E.	B60J5/06	49/28
*	F	US-2008/0191515 A1	08-2008	Hollenbeck; Bruce P.	B62D33/0612	296/190.02
*	G	US-2007/0200390 A1	08-2007	Lotarev; Alexey Anatolievich	B62D35/001	296/180.2
*	H	US-4,991,906 A	02-1991	Fingerle; Robert F.	B62D35/001	280/164.1
*	I	US-2009/0224569 A1	09-2009	Lagrut; Jerome	B60J5/0459	296/146.1
*	J	US-2008/0231074 A1	09-2008	SUZUKI; Shigeyuki	B60J5/0497	296/146.12
*	K	US-2010/0122871 A1	05-2010	Gottlinger; George	E06C5/02	182/106
*	L	US-7,637,557 B2	12-2009	Regnell; Hans	B60R3/02	280/163
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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CONFIRMATION NO. 5158

SERIAL NUMBER 15/396,209	FILING or 371(c) DATE 12/30/2016 RULE	CLASS 180	GROUP ART UNIT 3618	ATTORNEY DOCKET NO. BGT-0012.NP		
APPLICANTS Bluegentech LLC, Salt Lake City, UT;						
INVENTORS Trevor R. Milton, Salt Lake City, UT; Steve Jennes, Fullerton, CA; Markus Scholten, Irvine, CA;						
** CONTINUING DATA ***** This application is a CIP of 15/357,350 11/21/2016 which claims benefit of 62/391,745 05/09/2016 This application 15/396,209 12/30/2016 claims benefit of 62/273,256 12/30/2015 and claims benefit of 62/391,745 05/09/2016						
** FOREIGN APPLICATIONS *****						
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** * SMALL ENTITY ** 01/11/2017						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged /BRIAN L SWENSON/ <small>Examiner's Signature</small>		<input type="checkbox"/> Met after Allowance <small>Initials</small>	STATE OR COUNTRY UT	SHEETS DRAWINGS 9	TOTAL CLAIMS 28	INDEPENDENT CLAIMS 1
ADDRESS TechLaw Ventures, PLLC 3290 West Mayflower Way Lehi, UT 84043 UNITED STATES						
TITLE SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW						
FILING FEE RECEIVED 1120	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15396209	MILTON ET AL.
	Examiner	Art Unit
	BRIAN SWENSON	3618

CPC- SEARCHED		
Symbol	Date	Examiner
B62D 33/0612	7/26/2017	bls
B60J 5/0497	7/26/2017	bls
B62D 33/06	7/26/2017	bls

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

SEARCH NOTES		
Search Notes	Date	Examiner
forward and backward searched all cited references	7/26/2017	bls
PLUS search	7/26/2017	bls
EAST inventor search	7/26/2017	bls
B60k 6/20 (see text searching)	7/26/2017	bls
see text searching for full text searching strategy	7/26/2017	bls

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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<i>Index of Claims</i>		Application/Control No.	Applicant(s)/Patent Under Reexamination
		15396209	MILTON ET AL.
		Examiner	Art Unit
		BRIAN SWENSON	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA	<input type="checkbox"/> T.D.	<input type="checkbox"/> R.1.47	
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Final	Original	07/26/2017			
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<i>Index of Claims</i>		Application/Control No.	Applicant(s)/Patent Under Reexamination
		15396209	MILTON ET AL.
		Examiner	Art Unit
		BRIAN SWENSON	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
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<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA	<input type="checkbox"/> T.D.	<input type="checkbox"/> R.1.47	
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Final	Original	07/26/2017			
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	56	-			
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EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	32	("5025591").URPN.	USPAT	OR	OFF	2017/07/26 14:22
L7	1	("20080191515").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:09
L8	30	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$ or US-8800205-\$ or US-6904717-\$).did.	US-PGPUB; USPAT	OR	OFF	2017/07/26 15:26
L9	0	8 and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:26
L10	0	8 and (hand with hold)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:26
L11	14	"semi-truck" and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:26
L12	1	"semi-truck" and "hand hold"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:28
L13	108	"semi-truck" and "handle" and step	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:28
L14	4	"semi-truck" and "hand rail"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:30
L15	790	"semi" and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
L16	321	"semi" and handhold and steps	US-	OR	OFF	2017/07/26

EAST Search History

			PGPUB; USPAT; USOCR			15:31
L17	36	"semi" and handhold and steps and truck	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
L18	115	handhold and steps and truck	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
L19	100	("semi-truck" or "semi-trailer" or "tractor trailer") and ("handrail" or "hand rail")	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:32
L20	69	("semi-truck" or "semi-trailer" or "tractor trailer") and ("hand hold" or "handhold")	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:39
L21	46	("4836568" "4925235" "4932716" "5308134" "D291872" "D308032" "D312805" "D320583" "D328273" "D367027").PN. OR ("5788321").URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:42
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L24	33	23 not 22	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 16:00
S1	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 15:48
S2	222	B62D33/0612.cpc.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:08
S3	165	B60J5/0497.cpc.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:23
S4	340	B60K6/20.cpc.	US-	OR	OFF	2017/07/25

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				PGPUB; USPAT; USOCR			16:42
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S6	48	((("4625210") or ("5734316") or ("6169495") or ("5477217") or ("5959572") or ("6098048") or ("4768916") or ("4797049") or ("4833442") or ("5026153") or ("5231253") or ("5702223") or ("5808372") or ("5809480") or ("5878361") or ("5928294") or ("5964572") or ("6059899") or ("6059899") or ("6122571") or ("4284941") or ("4403208") or ("4469210") or ("4621856") or ("4775939") or ("5222906") or ("5254996") or ("5360287") or ("5415505") or ("5454672") or ("5469676") or ("5525026") or ("5540158") or ("5589827") or ("5628596") or ("5634339") or ("5711368") or ("5732785") or ("5775858") or ("5777451") or ("5777565") or ("5818356") or ("5838251") or ("5846045") or ("5854987") or ("5863026") or ("5864831") or ("5873250") or ("5878362")).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 11:56	
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S8	4	(US-20130069391-\$).did. or (US-5083834-\$ or US-4436177-\$ or US-4351554-\$).did.	US- PGPUB; USPAT	OR	OFF	2017/07/26 12:41	
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Receipt date: 06/13/2017

15396209 - GAU: 3618

Doc code: IDS

PTO/SB/08a (01-10)

Doc description: Information Disclosure Statement (IDS) Filed

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(Not for submission under 37 CFR 1.99)

Application Number	15396209
Filing Date	2016-12-30
First Named Inventor	Trevor R. Milton, et al.
Art Unit	3612
Examiner Name	
Attorney Docket Number	BGT-0012.NP

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	1	4301570	A	1981-11-24	Thomas	
	2	4932716	A	1990-06-12	Marlowe et al.	
	3	5025591	A	1991-06-25	DeLand et al.	
	4	6179312	B1	2001-01-30	Paschke et al.	
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	1	20090107050	A1	2009-04-30	Suzuki	

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Examiner Name	
Attorney Docket Number	BGT-0012.NP

	2	20110114398	A1	2011-05-19	Bianco	
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⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	15396209
Filing Date	2016-12-30
First Named Inventor	Trevor R. Milton, et al.
Art Unit	3612
Examiner Name	
Attorney Docket Number	BGT-0012.NP

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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See attached certification statement.

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A certification statement is not submitted herewith.

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Signature	/Terrence J. Edwards/	Date (YYYY-MM-DD)	2017-06-13
Name/Print	Terrence J. Edwards	Registration Number	50254

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP

CONFIRMATION NO. 5158

112802

TechLaw Ventures, PLLC
3290 West Mayflower Way
Lehi, UT 84043

PUBLICATION NOTICE



OC000000093664036

Title:SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

Publication No.US-2017-0240219-A1

Publication Date:08/24/2017

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The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS:	TREVOR R. MILTON, et al.	RESPONSE WITH AMENDMENT TO AUGUST 3, 2017 OFFICE ACTION
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Brian L. Swenson	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

To The Commissioner For Patents:

Responsive to the Office Action dated August 3, 2017, Applicant presents the following amendments and remarks. Applicant requests reconsideration of the above-captioned application in view of the following amendments and remarks.

Amendments to the claims begin on page 2 of this Response.

Remarks begin on page 13 of this Response.

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In the Claims:

The following listing of patent claims replaces any previous listing of the patent claims.

Any amendments to the patent claims are made without prejudice to any future submissions of the original claims.

CLAIMS

1. (Currently Amended) A vehicle comprising:

a body;

a cabin located within the body of the vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;

~~at least one seat~~ a driver's seat and a passenger's seat located in the interior of the cabin,
wherein the driver's seat ~~that~~ is configured for seating a user; and

at least one door that provides ingress and egress to the interior of the cabin of the vehicle;
wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one of the
driver's seat or the passenger's seat; and

wherein an entryway provides access to either of the driver's seat or the passenger's seat
between the driver's seat and the passenger's seat, and wherein the entryway is defined vertically
from a floor of the cabin to a top of at least one of the driver's seat or the passenger's seat.

2. (Original) The vehicle of claim 1, wherein the vehicle is an electric vehicle comprising a battery pack that is coupled to an electric drive train.

3. (Original) The vehicle of claim 1, wherein the vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.
4. (Original) The vehicle of claim 1, wherein the vehicle comprises only a single door.
5. (Original) The vehicle of claim 4, wherein the single door is located on a driver's side of the vehicle.
6. (Original) The vehicle of claim 4, wherein the single door is located on a passenger's side of the vehicle.
7. (Original) The vehicle of claim 1, wherein the at least one door of the vehicle comprises a first door and a second door.
8. (Original) The vehicle of claim 7, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.
9. (Original) The vehicle of claim 1, wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

10. (Currently Amended) The vehicle of claim 9, wherein the at least one door moves outward with respect to the body and backward with respect to ~~the~~ at least one of the driver's seat or the passenger's seat as the door is moved to an open position.

11. (Original) The vehicle of claim 10, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.

12. (Original) The vehicle of claim 1, wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.

13. (Original) The vehicle of claim 1, wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.

14. (Original) The vehicle of claim 1, wherein there is no additional door that is located in front of, the at least one door providing ingress or egress into the interior of the cabin.

15. (Original) The vehicle of claim 1, wherein the at least one door comprises a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.

16. (Original) The vehicle of claim 1, wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.
17. (Original) The vehicle of claim 1, wherein the vehicle is a semi-truck.
18. (Original) The vehicle of claim 1, wherein the vehicle is an electric driven class 7 semi-truck.
19. (Original) The vehicle of claim 1, wherein the vehicle is an electric driven class 8 semi-truck.
20. (Original) The vehicle of claim 1, wherein the vehicle further comprises a sleeper within the cabin.
21. (Original) The vehicle of claim 20, wherein the at least one door opens into the sleeper of the cabin.
22. (Original) The vehicle of claim 20, wherein the sleeper comprises a bunk bed, a cooling appliance having a volume that is at least 15 cubic feet, and a microwave oven.
23. (Cancelled)

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24. (Original) The vehicle of claim 1, wherein an opening into the cabin comprises a clearance that is at least six feet five inches in height.

25. (Currently Amended) The vehicle of claim 20, wherein entry into the cabin of the vehicle provides full access to ~~the~~ at least one of the driver's seat or the passenger's seat and the sleeper simultaneously.

26. (Original) The vehicle of claim 1, wherein the vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

27. (Original) The vehicle of claim 26, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

28. (Withdrawn) A vehicle comprising:

a body comprising a front end and a rear end;
a plurality of front wheels located proximally with respect to the body and a plurality of rear wheels located distally with respect to the body, wherein the front wheels comprise a first rear most location that is a first distance from the front end of the body and a second front most location that is a second distance from the front end of the body, wherein the first distance is greater than the second distance;

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a cabin located within the body, wherein the cabin comprises an interior with at least one seat located in the interior that is configured for seating at least one person;

wherein a majority of the at least one seat is located within the first distance of the front wheels.

29. (Withdrawn) The vehicle of claim 28, wherein the body of the vehicle comprises a plurality of front wheel wells that correspond to the plurality of front wheels, wherein the front wheel wells comprise a front most portion and a rear most portion with a horizontal distance therebetween, wherein the entirety of the at least one seat is located within the horizontal distance of the front wheel wells.

30. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin, wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat.

31. (Withdrawn) The vehicle of claim 30, wherein the body of the vehicle comprises an opening having a width and a height that corresponds with the at least one door, wherein there is no seat inside the cabin that obstructs the width of the opening.

32. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric vehicle comprising a plurality of electric motors and a plurality of gear trains that each correspond with each of the plurality of electric motors.

33. (Withdrawn) The vehicle of claim 28, wherein the vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.

34. (Withdrawn) The vehicle of claim 28, further comprising a single door that provides ingress and egress to the interior of the cabin of the vehicle.

35. (Withdrawn) The vehicle of claim 34, wherein the single door is located on a driver's side of the vehicle.

36. (Cancelled)

37. (Withdrawn) The vehicle of claim 28, further comprising a first door and a second door that each provide ingress and egress to the interior of the cabin of the vehicle.

38. (Withdrawn) The vehicle of claim 37, wherein at least one of the first door or the second door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

39. (Withdrawn) The vehicle of claim 38, wherein the at least one of the first door or the second door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.

40. (Withdrawn) The vehicle of claim 37, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

41. (Withdrawn) The vehicle of claim 38, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.

42. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.

43. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.

44. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein there is no additional door that is located in front of the at least one door providing ingress or egress into the interior of the cabin.

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45. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door comprises a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.
46. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.
47. (Withdrawn) The vehicle of claim 28, wherein the vehicle is a semi-truck.
48. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric driven class 7 semi-truck.
49. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric driven class 8 semi-truck.
50. (Withdrawn) The vehicle of claim 28, wherein the vehicle further comprises a sleeper within the cabin.

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51. (Withdrawn) The vehicle of claim 50, wherein the sleeper comprises a bunk bed, a refrigerator having a volume that is at least 15 cubic feet, a table, and a microwave oven.
52. (Withdrawn) The vehicle of claim 50, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.
53. (Withdrawn) The vehicle of claim 28, wherein an opening into the cabin comprises a height that is at least six feet five inches.
54. (Withdrawn) The vehicle of claim 28, wherein the cabin comprises a driver's seat and a passenger's seat, wherein access to either of the driver's seat or the passenger's seat is provided between the passenger's seat and the driver's seat.
55. (Withdrawn) The vehicle of claim 28, wherein the vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.
56. (Withdrawn) The vehicle of claim 28, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

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57. (Original) The vehicle of claim 1, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

58. (Withdrawn) The vehicle of claim 28, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

59. (New) A vehicle comprising:

a body;

a cabin located within the body of the vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;

a seat located in the interior of the cabin, wherein the seat is configured for seating a user; and

at least one door that provides ingress and egress to the interior of the cabin of the vehicle; wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the seat; and wherein there is no additional door that is located in front of the at least one door providing ingress or egress into the interior of the cabin.

REMARKS

Claims 1-22, 24-35, and 37-59 are currently pending in the application. Claims 28-35, 37-56, and 58 have been withdrawn. Claims 23 and 36 have been cancelled. New claim 59 has been added. Claims 1-22, 24-27, 57, and 59 are being examined. Independent claim 1 and dependent claims 10 and 25 have been amended in this Response. Any amendments to the patent claims are made without prejudice to any future submission of the original claims in another application. No new matter has been added to the claims.

Every ground of rejection has been addressed by this Response and Applicant respectfully requests that the amendments and remarks presented in this Response be entered and the claims be found allowable. Applicant expresses appreciation for the guidance given by the Examiner in the August 3, 2017 Office Action.

I. ISSUES RAISED UNDER 35 U.S.C. §102(a)(1) AND §103(a) ARE TREATED.

The August 3, 2017 Office Action raised an **anticipation issue under 35 U.S.C. §102(a)(1) with respect to independent claim 1** in light of the disclosure in U.S. Patent Publication No. 2008/0191515 (hereinafter referred to as the “Hollenbeck reference”). The August 3, 2017 Office Action also raised an **obviousness issue under 35 U.S.C. §103 with respect to dependent claims 2, 3, 18-19 and 57** in light of the disclosure in the Hollenbeck reference in view of U.S. Patent Publication No. 2011/0114398 (hereinafter referred to as the “Bianco reference”). The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 4-6, 8, 12-14 and 22-24** in light of the disclosure in the Hollenbeck reference. The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 9-11 and 15** in light of the disclosure in the Hollenbeck

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reference in view of U.S. Patent No. 6,904,717 (hereinafter referred to as the “Clark et al. reference”). The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 26 and 27** in light of the disclosure in the Hollenbeck reference in view of U.S. Patent No. 7,637,557 (hereinafter referred to as the “Regnell et al. reference”).

Applicant respectfully traverses the rejections made in the Office Action and reserves the right to file the originally filed patent claims in another application. The amendments provided herein are to advance prosecution only and are not an admission that the claims as originally filed are not allowable as originally filed.

Counsel has carefully studied the reference relied upon in the August 3, 2017 Office Action. Counsel respectfully submits that the references relied upon do not anticipate certain aspects of the claims or render aspects of the claims obvious. Applicant submits that the currently amended claims are allowable and a finding of the same is respectfully requested. Applicant provides the following arguments in support of patentability of the claims presented.

A. The Office Action Fails To Make A Prima Facie Case That The Claims Are Anticipated Or Rendered Obvious By The Cited Art

Applicant respectfully traverses the rejections for at least the reason that the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. Under the guidelines in the MPEP, the Office Action must establish that the references teach or suggest each and every claim element or explain “why the difference(s) between the prior art and the claim invention would have been obvious.” The Office Action does neither.

By way of example and with respect to claim 6, the Office Action asserts “it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide

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the single door ... on a passenger's side of the vehicle." See ¶ 17 of the Office Action. Hollenbeck discloses wherein a truck includes a door to access a driver portion and an additional door to access a sleeper portion. Hollenbeck further discloses wherein the driver portion and the sleeper portion are separate structures. Because a driver cannot access the driver's seat via the sleeper portion in Hollenbeck, it would not be obvious to eliminate the driver's door. The Office Action fails to suggest how it would be obvious to eliminate the only door that provides access to the driver's seat in Hollenbeck.

Further by way of example and with respect to claims 13 and 14, the Office Action asserts "providing a single door would make the door the foremost door providing ingress or egress [into] the interior of the cabin, as all these variations would [be] design choices within the ordinary practitioner's skill level and understanding, and would deliver a predictable associated result." See ¶ 17 of the Office Action. The Office Action merely makes a conclusory statement and offers no guidance as to why it would be obvious to have a single door located at a backside of at least one of the driver's seat or the passenger's seat. That is, the Office Action makes a conclusory statement that it would be obvious to eliminate *the only door providing access to the driver's seat* in Hollenbeck. The Office Action fails to make a *prima facie* case that it would be obvious to have a vehicle comprising the limitations of independent claim 1 that comprises only one door.

Because the Office Action fails to show that the references teach or suggest each and every claim element and fails to explain why the differences between the prior art and the claimed invention would have been obvious to a person of skill in the art, the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. The

rejections are thus improper. Applicant respectfully requests that Examiner withdraw the rejections under 35 U.S.C. §§ 102 and 103.

B. The Law Supports A Finding That Applicant's Independent Claim 1 Is Not Anticipated By The Hollenbeck Reference And Is Therefore Allowable.

MPEP 2131 discusses the circumstances under which a claim is considered as being anticipated. According to MPEP 2131, “A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). Further the Federal Circuit has clearly held: “The identical invention must be shown in as complete detail as is contained in the . . . claim.” *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989). Moreover, “[e]very element of the claimed invention must be literally present, arranged as in the claim.” *Id.*

Section 102 embodies the concept of novelty—if a device or process has been previously invented (and disclosed to the public), then it is not new, and therefore the claimed invention is “anticipated” by the prior invention . . . Because the hallmark of anticipation is prior invention, the prior reference—in order to anticipate the claims under 35 U.S.C. §102—must not only disclose all elements of the claim within the four corners of the document, but must also disclose those elements “arranged as in the claim.” *Net MoneyIn v. Verisign*, 545 F.3d 1359 (Fed. Cir. 2008).

The Hollenbeck reference does not disclose all elements of the claim within the four corners of that document, and further does not also disclose those elements “arranged as in the claim.” *Id.* More specifically, the Hollenbeck reference does not disclose “*a driver's seat and a passenger's seat located in the interior of the cabin...wherein an entryway provides access to*

either of the driver's seat or the passenger's seat between the driver's seat and the passenger's seat, and wherein the entryway is defined vertically from a floor of the cabin to a top of at least one of the driver's seat or the passenger's seat," along with the other features claimed.

Hollenbeck discloses a truck having a cab with a sleeper bed disposed longitudinally from head to foot within the cab. Hollenbeck discloses wherein the sleeper bed extends over and above the driver portion of a truck cab. **Hollenbeck fails to disclose, *inter alia*, a vehicle comprising:**

- “a driver's seat and a passenger's seat located in the interior of the cabin” (see claim 1);
- “wherein an entryway provides access to either of the driver's seat or the passenger's seat between the driver's seat and the passenger's seat, and wherein the entryway is defined vertically from a floor of the cabin to a top of at least one of the driver's seat or the passenger's seat” (see claim 1);
- “wherein the vehicle is an electric vehicle comprising a battery pack that is coupled to an electric drive train” (see claim 2);
- “wherein the vehicle comprises only a single door” (see claim 4);
- “wherein the single door is located on a passenger's side of the vehicle” (see claim 6);
- “wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin” (see claim 13); and
- “wherein there is no additional door that is located in front of the at least one door providing ingress or egress into the interior of the cabin” (see claim 14).

i. Independent Claim 1.

Regarding independent claim 1, the Office Action asserts the limitation “...wherein an entryway provides access to either of the driver's seat or the passenger's seat between the driver's

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seat and the passenger's seat" (as originally claimed in claim 23 and now amended into independent claim 1) is rendered obvious over Hollenbeck. Applicant respectfully disagrees.

Hollenbeck merely discloses a "passage" in FIG. 1 (see reference numeral 29) and the following in the detailed description, namely: "A passage 29 may be provided between the driver's portion 25 and the sleeper cab 27. A door 31 provided in a longitudinal wall of the sleeper cab 27 may be provided instead of or in addition to the passage 29 . . ." See ¶ [0012] of Hollenbeck. Hollenbeck provides no further explanation of the passage, including where the passage is located or the structure of the passage. See ¶ [0012] of Hollenbeck. Hollenbeck fails to disclose wherein a vehicle comprises a driver's seat and a passenger's seat, Hollenbeck fails to disclose wherein the passage (29) provides access to a seat, Hollenbeck fails to disclose the location of the passage in either of the specification or figures, the depiction of the passage in FIG. 1 is highly ambiguous, and no other figure in Hollenbeck includes the passage. A person having ordinary skill in the art would likely be confused by the "passage" in Hollenbeck and would certainly not find Claim 1 to be rendered obvious by Hollenbeck's disclosure of a "passage." That is, the "passage" in Hollenbeck does not disclose wherein "an entryway provides access to either of the driver's seat or the passenger's seat between the driver's seat and the passenger's seat" as claimed.

Further, the "passage" (29) in FIG. 1 of Hollenbeck appears to depict a hinged door having a vertical height from the bottom of the exterior driver's door to the bottom of the window in the exterior driver's door. Hollenbeck in no way teaches, suggests, or otherwise discloses wherein "the entryway is defined vertically from a floor of the cabin to a top of at least one of the driver's seat or the passenger's seat" as claimed. Hollenbeck in fact **teaches away** from this limitation by disclosing wherein the passage has a very short vertical height that would likely require a driver to

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crawl through the passage on his hands and knees. Hollenbeck in no way teaches, suggests, or otherwise discloses each of the limitations of independent claim 1 as currently amended.

ii. Applicant's Dependent Claims 4-6, 9 and 13-14 Are Considered Independently From The Base Claim.

The Office Action further asserts that Hollenbeck renders obvious the limitations of claims 4-6 and 13-14. Applicant respectfully disagrees. Hollenbeck in no way teaches, suggests, or discloses wherein **a vehicle comprises a single door. Hollenbeck explicitly teaches the opposite.** Hollenbeck teaches wherein a vehicle comprises a door for accessing a driver portion of a cab and **an additional door on the same side of the vehicle** for accessing a sleeper portion of a cab. Hollenbeck **explicitly teaches away from the limitations in claims 4-6 and 13-14.** It would not be obvious to a person of ordinary skill in the art to eliminate the driver's door and only have a door located from a backside of the driver's seat. At best, this scenario would require a driver to enter the vehicle via the sleeper cab door (see 31 in FIG. 1 of Hollenbeck) and then *crawl through the passage (29) on his hands and knees* to access the driver's seat. This scenario may not be physically possible for many drivers and it certainly would not be an obvious change to make to Hollenbeck's disclosure.

The Office Action further states that Hollenbeck in view of Clark renders obvious the limitations of claim 9, namely "wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door." Applicant respectfully disagrees. The Office Action fails to cite any motivation to combine the Hollenbeck and Clark references, and in fact the references could not be combined to disclose the limitations of claim 9. Hollenbeck discloses wherein a truck comprises **two doors** – a door opening

to a seat in a driver cabin and a door opening to a sleeper cabin that may be an entirely separate structure. A person having ordinary skill in the art could not replace one of the two doors disclosed in Hollenbeck with a sliding door. For example, if the hinged driver door disclosed in Hollenbeck was replaced with a sliding door, the sliding door would extend off the driver cab and on to the sleeper cab. This would not be feasible because the driver cab and the sleeper cab may be entirely separate structures as disclosed in Hollenbeck. Further, the sliding door would slide *over the second door* and render the second door useless. A person having ordinary skill in the art could not combine the Hollenbeck and Clark references.

Thus, Applicant submits that the Hollenbeck reference does not disclose the combination of elements claimed in independent claim 1. Applicant further submits that each of the other references, including Bianco, Clark, and Regnell similarly fails to teach, suggest, or otherwise disclose, either alone or in combination, each of the elements of independent claim 1. Therefore, the Hollenbeck reference does not anticipate independent claim 1 and a finding of the same is respectfully requested.

Claims 2-22, 24-27, and 57 depend from independent claim 1, or a claim depending from independent claim 1, and are therefore allowable for at least the reason(s) given in support of independent claim 1 and a finding of the same is respectfully requested.

II. CONCLUSION.

In view of the foregoing, Applicant believes that all the pending claims are allowable and a finding of the same is respectfully requested.

If any impediment to allowance of these claims remains after entry of this RESPONSE WITH AMENDMENT TO AUGUST 3, 2017 OFFICE ACTION, and such impediment could be

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alleviated during a telephone interview, the Examiner is invited to initiate the same with the undersigned.

DATED this 3rd day of November 2017.

Respectfully submitted,



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Electronic Acknowledgement Receipt	
EFS ID:	30855655
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	03-NOV-2017
Filing Date:	30-DEC-2016
Time Stamp:	19:12:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	ResponsetoOfficeAction_BGT0012NP.pdf	129144 d4b64e3070ab3f69e831b65fad524513f34c929	no	21

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.		
<u>National Stage of an International Application under 35 U.S.C. 371</u>		
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.		
<u>New International Application Filed with the USPTO as a Receiving Office</u>		
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875		Application or Docket Number 15/396,209	Filing Date 12/30/2016	<input type="checkbox"/> To be Mailed
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ENTITY: LARGE SMALL MICRO**APPLICATION AS FILED – PART I**

(Column 1)	(Column 2)			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	Fee (\$)
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	minus 20 =	*	X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.				
				TOTAL

APPLICATION AS AMENDED – PART II

(Column 1)	(Column 2)	(Column 3)			
AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
11/03/2017					
Total (37 CFR 1.16(j))	* 28	Minus ** 28	= 0	x \$40 =	0
Independent (37 CFR 1.16(h))	* 2	Minus ***3	= 0	x \$210 =	0
<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
				TOTAL ADD'L FEE	0

(Column 1)	(Column 2)	(Column 3)			
AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
Total (37 CFR 1.16(j))	*	Minus **	=	x \$ =	
Independent (37 CFR 1.16(h))	*	Minus ***	=	x \$ =	
<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
				TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*LIE
BRENDA TURNER



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP	5158
112802	7590	11/13/2017	EXAMINER	
TechLaw Ventures, PLLC 3290 West Mayflower Way Lehi, UT 84043				SWENSON, BRIAN L
ART UNIT		PAPER NUMBER		
		3618		
NOTIFICATION DATE		DELIVERY MODE		
		11/13/2017		
		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

terrence.edwards@techlawventures.com
docket@techlawventures.com

Applicant-Initiated Interview Summary	Application No. 15/396,209	Applicant(s) Milton et al.	
	Examiner BRIAN L SWENSON	Art Unit 3618	AIA Status Yes

All participants (applicant, applicants representative, PTO personnel):

(1) BRIAN L. SWENSON. (3) ____.

(2) Terrence J. Edwards. (4) ____.

Date of Interview: 07 November 2017.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
If Yes, brief description: ____.

Issues Discussed 101 112 102 103 Others

(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1 and 59.

Identification of prior art discussed: U.S. Patent Publication 2008/0191515 issued to Hollenbeck.

Substance of Interview

(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed the general nature of Claims 1 and 59 with regards to Hollenbeck. Applicant will follow up with a supplemental response to the response filed on 3 November 2017.

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

/BRIAN L SWENSON/ Primary Examiner, Art Unit 3618	
--	--

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiners responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicants correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
 - An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicants record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiners version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, Interview Record OK on the paper recording the substance of the interview along with the date and the examiners initials.



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2017-11-20

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3290 West Mayflower Way
Lehi, UT 84043

Paper No.

Application No.:	15/396,209	Date Mailed:	2017-11-20
ELECTRONIC			
First Named Inventor:	Trevor R. Milton	Examiner:	SWENSON, BRIAN L
Attorney Docket No.:	BGT-0012.NP	Art Unit:	3618
Confirmation No.:	5158	Filing Date:	12/30/2016

Please find attached an Office communication concerning this application or proceeding.

Commissioner for Patents

PTO-90c (Rev.08-06)

Notice of Non-Compliant Amendment (37 CFR 1.121)	Application No. 15/396,209	Applicant(s) MILTON ET AL.
-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --		
The amendment document filed on <u>03 November, 2017</u> is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 or 1.4. In order for the amendment document to be compliant, correction of the following item(s) is required.		
THE FOLLOWING MARKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:		
<input type="checkbox"/> 1. Amendments to the specification: <ul style="list-style-type: none"> <input type="checkbox"/> A. Amended paragraph(s) do not include markings. <input type="checkbox"/> B. New paragraph(s) should not be underlined. <input type="checkbox"/> C. Other _____. 		
<input type="checkbox"/> 2. Abstract: <ul style="list-style-type: none"> <input type="checkbox"/> A. Not presented on a separate sheet. 37 CFR 1.72. <input type="checkbox"/> B. Other _____. 		
<input type="checkbox"/> 3. Amendments to the drawings: <ul style="list-style-type: none"> <input type="checkbox"/> A. The drawings are not properly identified in the top margin as "Replacement Sheet," "New Sheet," or "Annotated Sheet" as required by 37 CFR 1.121(d). <input type="checkbox"/> B. The practice of submitting proposed drawing correction has been eliminated. Replacement drawings showing amended figures, without markings, in compliance with 37 CFR 1.84 are required. <input type="checkbox"/> C. Other _____. 		
<input checked="" type="checkbox"/> 4. Amendments to the claims: <ul style="list-style-type: none"> <input type="checkbox"/> A. A complete listing of all of the claims is not present. <input type="checkbox"/> B. The listing of claims does not include the text of all pending claims (including withdrawn claims) <input checked="" type="checkbox"/> C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following status identifiers: (Original), (Currently amended), (Canceled), (Previously presented), (New), (Not entered), (Withdrawn) and (Withdrawn-currently amended). <input type="checkbox"/> D. The claims of this amendment paper have not been presented in ascending numerical order. <input type="checkbox"/> E. Other: _____. 		
<input type="checkbox"/> 5. Other (e.g., the amendment is unsigned or not signed in accordance with 37 CFR 1.4): For further explanation of the amendment format required by 37 CFR 1.121, see MPEP § 714.		
TIME PERIODS FOR FILING A REPLY TO THIS NOTICE:		
1. Applicant is given no new time period if the non-compliant amendment is an after-final amendment or an amendment filed after allowance, or a drawing submission (only) . If applicant wishes to resubmit the non-compliant after-final amendment with corrections, the entire corrected amendment must be resubmitted.		
2. Applicant is given two months from the mail date of this notice to supply the correction, if the non-compliant amendment is one of the following: a preliminary amendment, a non-final amendment (including a submission for a request for continued examination (RCE) under 37 CFR 1.114), a supplemental amendment filed within a suspension period under 37 CFR 1.103(a) or (c), and an amendment filed in response to a Quayle action. If any of above boxes 1 to 4 are checked, the correction required is only the corrected section of the non-compliant amendment in compliance with 37 CFR 1.121.		
Extensions of time are available under 37 CFR 1.136(a) only if the non-compliant amendment is a non-final amendment or an amendment filed in response to a Quayle action.		
Failure to timely respond to this notice will result in:		
Abandonment of the application if the non-compliant amendment is a non-final amendment or an amendment filed in response to a Quayle action; or		
Non-entry of the amendment if the non-compliant amendment is a preliminary amendment or supplemental amendment.		
Legal Instruments Examiner (LIE), if applicable <u>BRENDA TURNER</u>		Telephone No: <u>(571)272-3614</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS:	TREVOR R. MILTON, et al.	SUPPLEMENTAL RESPONSE WITH AMENDMENT TO AUGUST 3, 2017 OFFICE ACTION
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Brian L. Swenson	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
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To The Commissioner For Patents:

Responsive to the Office Action dated August 3, 2017, and supplemental to the “Response with Amendment to August 3, 2017 Office Action,” Applicant presents the following supplemental amendments and remarks. Applicant requests reconsideration of the above-captioned application in view of the following amendments and remarks.

Amendments to the claims begin on page 2 of this Response.

Remarks begin on page 14 of this Response.

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In the Claims:

The following listing of patent claims replaces any previous listing of the patent claims.

Any amendments to the patent claims are made without prejudice to any future submissions of the original claims.

CLAIMS

1. (Currently Amended) A semi-truck vehicle comprising:
an electric drive train;
a body;
a cabin located within the body of the semi-truck vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;
~~at least one~~ a seat located in the interior of the cabin that is configured for seating a user;
and
~~at least one~~ a door comprising a width extending a horizontal length of the door, wherein
that the door provides ingress and egress to the interior of the cabin of the semi-truck vehicle;
wherein the at least one door is located with respect to the body, such that a majority of the
width of the door is located at a backside of the seat when the door is in a closed position, such that
the at least one door opens to provide ingress and egress into the cabin from a backside of the at-
least one seat; and
wherein the door is the foremost door providing ingress or egress into the interior of the
cabin.

2. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle is an electric vehicle comprising a battery pack that is coupled to an electric drive train.
3. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.
4. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle comprises only a single door.
5. (Currently Amended) The semi-truck vehicle of claim 4, wherein the single door is located on a ~~driver's left side when the user is seated in the seat of the~~ semi-truck vehicle.
6. (Currently Amended) The semi-truck vehicle of claim 4, wherein the single door is located on a ~~passenger's right side when the user is seated in the seat of the~~ semi-truck vehicle.
7. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door of the semi-truck vehicle comprises a first door and a second door.
8. (Currently Amended) The semi-truck vehicle of claim 7, wherein the first door is located on a ~~driver's left side when the user is seated in the seat of the~~ semi-truck vehicle and the second

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door is located on a ~~passenger's~~ right side when the user is seated in the seat of the semi-truck vehicle.

9. (Currently Amended) The semi-truck vehicle of claim 1, wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the semi-truck vehicle to open and close the ~~at least one~~ door.

10. (Currently Amended) The semi-truck vehicle of claim 9, wherein the ~~at least one~~ door moves outward with respect to the body and backward with respect to the ~~at least one~~ seat as the door is moved to an open position.

11. (Currently Amended) The semi-truck vehicle of claim 10, wherein an activation signal turns on a drive motor to pull the ~~at least one~~ door open and closed.

12. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door is hinged at one end and attached to the body of the semi-truck vehicle to open and close the ~~at least one~~ door.

13. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door is the foremost door providing ingress or egress into the interior of the cabin.

14. (Currently Amended) The semi-truck vehicle of claim 1, wherein there is no additional door that is located in front of, the ~~at least one~~ door providing ingress or egress into the interior of the cabin.

15. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door comprises a peak load sensor configured to sense a threshold, such that when a load on the ~~at least one~~ door is higher than the threshold a control unit reverses the direction of the ~~at least one~~ door and keeps the ~~at least one~~ door from closing.

16. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door is located approximately at a midpoint of the body of the semi-truck vehicle to provide ingress and egress into the cabin.

17. (Cancelled).

18. (Currently Amended) The semi-truck vehicle of claim 1, wherein the vehicle is an electric driven class 7 semi-truck.

19. (Currently Amended) The semi-truck vehicle of claim 1, wherein the vehicle is an electric driven class 8 semi-truck.

20. (Currently Amended) The semi-truck vehicle of claim 1, wherein the vehicle further comprises a sleeper within the cabin.
21. (Currently Amended) The semi-truck vehicle of claim 20, wherein the ~~at least one~~ door opens into the sleeper of the cabin.
22. (Currently Amended) The semi-truck vehicle of claim 20, wherein the sleeper comprises a bunk bed, a cooling appliance having a volume that is at least 15 cubic feet, and a microwave oven.
23. (Currently Amended) The semi-truck vehicle of claim 1, wherein the cabin comprises a ~~driver's first~~ seat and a ~~passenger's second~~ seat, and wherein access to either of the ~~driver's first~~ seat or the ~~passenger's second~~ seat is provided between the ~~passenger's second~~ seat and the ~~driver's first~~ seat.
24. (Currently Amended) The semi-truck vehicle of claim 1, wherein an opening into the cabin comprises a clearance that is at least six feet five inches in height.
25. (Currently Amended) The semi-truck vehicle of claim 20, wherein entry into the cabin of the semi-truck vehicle provides full access to the ~~at least one~~ seat and the sleeper simultaneously.

26. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

27. (Currently Amended) The semi-truck vehicle of claim 26, wherein there are two steps and two ~~hand holds~~ handholds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

28. (Withdrawn) A vehicle comprising:

a body comprising a front end and a rear end;
a plurality of front wheels located proximally with respect to the body and a plurality of rear wheels located distally with respect to the body, wherein the front wheels comprise a first rear most location that is a first distance from the front end of the body and a second front most location that is a second distance from the front end of the body, wherein the first distance is greater than the second distance;

a cabin located within the body, wherein the cabin comprises an interior with at least one seat located in the interior that is configured for seating at least one person;

wherein a majority of the at least one seat is located within the first distance of the front wheels.

29. (Withdrawn) The vehicle of claim 28, wherein the body of the vehicle comprises a plurality of front wheel wells that correspond to the plurality of front wheels, wherein the front wheel wells

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comprise a front most portion and a rear most portion with a horizontal distance therebetween, wherein the entirety of the at least one seat is located within the horizontal distance of the front wheel wells.

30. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin, wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat.

31. (Withdrawn) The vehicle of claim 30, wherein the body of the vehicle comprises an opening having a width and a height that corresponds with the at least one door, wherein there is no seat inside the cabin that obstructs the width of the opening.

32. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric vehicle comprising a plurality of electric motors and a plurality of gear trains that each correspond with each of the plurality of electric motors.

33. (Withdrawn) The vehicle of claim 28, wherein the vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.

34. (Withdrawn) The vehicle of claim 28, further comprising a single door that provides ingress and egress to the interior of the cabin of the vehicle.

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35. (Withdrawn) The vehicle of claim 34, wherein the single door is located on a driver's side of the vehicle.

36. (Cancelled)

37. (Withdrawn) The vehicle of claim 28, further comprising a first door and a second door that each provide ingress and egress to the interior of the cabin of the vehicle.

38. (Withdrawn) The vehicle of claim 37, wherein at least one of the first door or the second door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

39. (Withdrawn) The vehicle of claim 38, wherein the at least one of the first door or the second door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.

40. (Withdrawn) The vehicle of claim 37, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

41. (Withdrawn) The vehicle of claim 38, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.

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42. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.

43. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.

44. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein there is no additional door that is located in front of the at least one door providing ingress or egress into the interior of the cabin.

45. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door comprises a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.

46. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is

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located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.

47. (Withdrawn) The vehicle of claim 28, wherein the vehicle is a semi-truck.

48. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric driven class 7 semi-truck.

49. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric driven class 8 semi-truck.

50. (Withdrawn) The vehicle of claim 28, wherein the vehicle further comprises a sleeper within the cabin.

51. (Withdrawn) The vehicle of claim 50, wherein the sleeper comprises a bunk bed, a refrigerator having a volume that is at least 15 cubic feet, a table, and a microwave oven.

52. (Withdrawn) The vehicle of claim 50, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.

53. (Withdrawn) The vehicle of claim 28, wherein an opening into the cabin comprises a height that is at least six feet five inches.

54. (Withdrawn) The vehicle of claim 28, wherein the cabin comprises a driver's seat and a passenger's seat, wherein access to either of the driver's seat or the passenger's seat is provided between the passenger's seat and the driver's seat.

55. (Withdrawn) The vehicle of claim 28, wherein the vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

56. (Withdrawn) The vehicle of claim 28, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

57. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle is a hybrid vehicle comprising electrical and combustion components.

58. (Withdrawn) The vehicle of claim 28, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

59. (New) A semi-truck vehicle comprising:

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an electric drive train;

a body;

a cabin located within the body of the vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;

a first seat and a second seat located in the interior of the cabin;

a door that provides ingress and egress to the interior of the cabin; and

an entryway provided between the first seat and the second seat, wherein the entryway comprises a vertical height extending from a floor of the cabin to at least a top of the first seat or the second seat;

wherein the entryway provides access to either of the first seat or the second seat.

REMARKS

Claims 1-16, 18-35, and 37-59 are currently pending in the application. Claims 28-35, 37-56, and 58 have been withdrawn. Claims 17 and 36 have been cancelled. New claim 59 has been added. Independent claim 1 and dependent claims 2-16, 18-27, and 57 are being amended. Claims 1-16, 18-27, 57, and 59 are being examined. Any amendments to the patent claims are made without prejudice to any future submission of the original claims in another application. No new matter has been added to the claims.

Every ground of rejection has been addressed by this Response and Applicant respectfully requests that the amendments and remarks presented in this Response be entered and the claims be found allowable. Applicant expresses appreciation for the guidance given by the Examiner in the August 3, 2017 Office Action.

I. APPLICANT THANKS EXAMINER FOR THE TELEPHONE INTERVIEW

Applicant thanks Examiner Swenson for the telephone interview on November 7, 2017. In the interview, counsel and Examiner discussed the amendments provided in “Response with Amendment to August 3, 2017 Office Action” and Examiner provided counsel permission to file this Supplemental Response.

Counsel and Examiner discussed the issues raised under 35 U.S.C. §§ 102 and 103 and particularly with respect to the Hollenbeck reference. Examiner agreed the proposed amendments likely overcame the § 102 rejections in view of Hollenbeck. Counsel discussed the innovations disclosed in the present application and Examiner provided Counsel guidance on potential amendments that might permit an allowance.

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Applicant again thanks Examiner for the telephone interview and for permitting Counsel to file this Supplemental Response. Counsel has incorporated the substance of the interview in this Supplemental Response.

II. ISSUES RAISED UNDER 35 U.S.C. §102(a)(1) AND §103(a) ARE TREATED.

The August 3, 2017 Office Action raised an **anticipation issue under 35 U.S.C. §102(a)(1) with respect to independent claim 1** in light of the disclosure in U.S. Patent Publication No. 2008/0191515 (hereinafter referred to as the “Hollenbeck reference”). The August 3, 2017 Office Action also raised an **obviousness issue under 35 U.S.C. §103 with respect to dependent claims 2, 3, 18-19 and 57** in light of the disclosure in the Hollenbeck reference in view of U.S. Patent Publication No. 2011/0114398 (hereinafter referred to as the “Bianco reference”). The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 4-6, 8, 12-14 and 22-24** in light of the disclosure in the Hollenbeck reference. The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 9-11 and 15** in light of the disclosure in the Hollenbeck reference in view of U.S. Patent No. 6,904,717 (hereinafter referred to as the “Clark et al. reference”). The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 26 and 27** in light of the disclosure in the Hollenbeck reference in view of U.S. Patent No. 7,637,557 (hereinafter referred to as the “Regnell et al. reference”).

Applicant respectfully traverses the rejections made in the Office Action and reserves the right to file the originally filed patent claims in another application. The amendments provided herein are to advance prosecution only and are not an admission that the claims as originally filed are not allowable as originally filed.

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Counsel has carefully studied the references relied upon in the August 3, 2017 Office Action. Counsel respectfully submits that the references relied upon do not anticipate certain aspects of the claims or render aspects of the claims obvious. Applicant submits that the currently amended claims are allowable and a finding of the same is respectfully requested. Applicant provides the following arguments in support of patentability of the claims presented.

A. The Office Action Fails To Make A Prima Facie Case That The Claims Are Anticipated Or Rendered Obvious By The Cited Art

Applicant respectfully traverses the rejections for at least the reason that the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. Under the guidelines in the MPEP, the Office Action must establish that the references teach or suggest each and every claim element or explain “why the difference(s) between the prior art and the claim invention would have been obvious.” The Office Action does neither.

By way of example and with respect to claim 6, the Office Action asserts “it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide the single door … on a passenger’s side of the vehicle.” See ¶ 17 of the Office Action. Hollenbeck discloses wherein a truck includes a door to access a driver portion and an additional door to access a sleeper portion. Hollenbeck further discloses wherein the driver portion and the sleeper portion are separate structures. Because a driver cannot access the driver’s seat via the sleeper portion in Hollenbeck, it would not be obvious to eliminate the driver’s door. The Office Action fails to suggest how it would be obvious to eliminate the only door that provides access to the driver’s seat in Hollenbeck.

Further by way of example and with respect to claims 13 and 14, the Office Action asserts that “providing a single door would make the door the foremost door providing ingress or egress [into] the interior of the cabin, as all these variations would [be] design choices within the ordinary practitioner’s skill level and understanding, and would deliver a predictable associated result.” See ¶ 17 of the Office Action. The Office Action makes a conclusory statement and offers no guidance as to why it would be obvious to have a single door located at a backside of at least one of the first (e.g., driver’s) seat or the second (e.g., passenger’s) seat. That is, the Office Action asserts it would be obvious to eliminate the only door providing access to the driver’s seat in Hollenbeck. The Office Action fails to state why it would be obvious to eliminate access to a driver’s seat in a vehicle. The Office Action fails to make a *prima facie* case that it would be obvious to have a vehicle comprising the limitations of independent claim 1 that comprises only one door.

Because the Office Action fails to show that the references teach or suggest each and every claim element and fails to explain why the differences between the prior art and the claimed invention would have been obvious to a person of skill in the art, the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. The rejections are thus improper. Applicant respectfully requests that Examiner withdraw the rejections under 35 U.S.C. §§ 102 and 103.

B. The Law Supports A Finding That Applicant’s Independent Claim 1 Is Not Anticipated By The Hollenbeck Reference And Is Therefore Allowable.

MPEP 2131 discusses the circumstances under which a claim is considered as being anticipated. According to MPEP 2131, “A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art

reference.” *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). Further the Federal Circuit has clearly held: “The identical invention must be shown in as complete detail as is contained in the . . . claim.” *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989). Moreover, “[e]very element of the claimed invention must be literally present, arranged as in the claim.” *Id.*

Section 102 embodies the concept of novelty—if a device or process has been previously invented (and disclosed to the public), then it is not new, and therefore the claimed invention is “anticipated” by the prior invention . . . Because the hallmark of anticipation is prior invention, the prior reference—in order to anticipate the claims under 35 U.S.C. §102—must not only disclose all elements of the claim within the four corners of the document, but must also disclose those elements “arranged as in the claim.” *Net MoneyIn v. Verisign*, 545 F.3d 1359 (Fed. Cir. 2008).

The Hollenbeck reference does not disclose all elements of the claim within the four corners of the document, and further does not also disclose those elements “arranged as in the claim.” *Id.* More specifically, the Hollenbeck reference does not disclose “*an electric drive train*,” “*a door comprising a width extending a horizontal length of the door, wherein the door provides ingress and egress to the interior of the cabin of the semi-truck vehicle; wherein the door is located with respect to the body, such that a majority of the width of the door is located at a backside of the seat when the door is in a closed position, such that the door opens to provide ingress and egress into the cabin from a backside of the seat; and wherein the door is the foremost door providing ingress or egress into the interior of the cabin*,” along with the other features claimed.

Hollenbeck discloses a truck having a cab with a sleeper bed disposed longitudinally from head to foot within the cab. Hollenbeck discloses wherein the sleeper bed extends over and above the driver portion of a truck cab. **Hollenbeck fails to disclose, *inter alia*, a semi-truck vehicle comprising:**

- “an electric drive train” (see claim 1);
- “wherein the door is located with respect to the body, such that a majority of the width of the door is located at a backside of the seat when the door is in a closed position, such that the door opens to provide ingress and egress into the cabin from a backside of the seat” (see claim 1);
- “wherein the door is the foremost door providing ingress or egress into the interior of the cabin” (see claim 1);
- “wherein the vehicle comprises only a single door” (see claim 4);

i. The Combination Of Elements In Independent Claim 1 Constitute Novel And Non-Obvious Improvements To The Art.

Further to the discussions in the telephone interview on November 7, 2017, Applicant notes that the combination of elements in the independent claims constitute novel improvements to the art of semi-truck vehicles and electric vehicles. The present application discloses embodiments of a reconfigured and more spacious semi-truck cabin. The combination of elements in the independent claims, including the electric drive train and the location of the door, contribute to a more spacious cabin in a semi-truck. The reconfigured cabin may accommodate, for example, larger appliances, a spacious sleeper area, and larger beds. The reconfigured cabin may further permit a user to stand upright in the sleeper area and have a greater view of the road from a seat

such as a driver's seat or a passenger's seat. See ¶¶ [[0041, 0043, 0048, 0052]] of Detailed Description.

The combination of elements in the claims constitute novel and non-obvious improvements to the art of semi-trucks and electric vehicles. Improvements in embodiments of the disclosure include, for example, the introduction of an electric drive train in a semi-truck capable of providing the necessary horsepower and torque. Further improvements include the reconfiguration of a semi-truck cabin. An embodiment of the vehicle "includes an electric motor and associated gear train (e.g., gear train with dual gear reduction) at every wheel 142, 146, which motors and gear trains may be grouped in pairs to form a motor gearbox assembly...The vehicle's six electric motors may produce superior horsepower, torque, acceleration, pulling and stopping power over other class 8 semi-trucks known in the art." ¶ [0028] of Detailed Description. Further concerning the reconfiguration of the semi-truck cabin, "the inclusion of an electric motor, and the elimination of a standard combustion engine, may allow for the reconfiguration of the layout and structure of a standard semi-truck as known in the art." *Id.* Further, "The elimination of the combustion engine has, for example, provided for at least one seat to be located at a position nearer the front of the vehicle body 102 than in a conventional semi-truck." *Id.*

Each of the cited references, either alone or in combination, fails to teach, suggest, or otherwise disclose each of the elements of the independent claims.

ii. Independent Claim 1.

Regarding independent claim 1, the Office Action asserts the limitation "...wherein the door is the foremost door providing ingress or egress into the interior of the cabin" (as originally

claimed in claim 13 and now amended into independent claim 1) is rendered obvious over Hollenbeck. Applicant respectfully disagrees.

Hollenbeck discloses wherein a hinged door provides access to a day cab of a vehicle such that a user enters the cab at the driver's seat or the passenger's seat. This foremost door is not located at a backside of a seat. Hollenbeck discloses wherein an additional door located behind the foremost door provides access to a separate sleeper cabin. In the embodiment disclosed in Hollenbeck, a user cannot access the driver's seat or the passenger's seat except by entering the vehicle through either of the two foremost doors. The Office Action fails to explain how it would be obvious to remove the only door(s) providing access to the driver's seat and/or the passenger's seat and only have a door providing access to a separate sleeper cabin.

Because the limitations of independent claim 1 are not disclosed by Hollenbeck or any other cited references, Applicant asserts that the claim is allowable and respectfully requests the same.

iii. Applicant's Dependent Claims 4-6, 9 and 13-14 Are Considered Independently From The Base Claim.

Regarding claims 4-6 and 13-14, the Office Action asserts that Hollenbeck renders obvious the limitations of these claims. Applicant respectfully disagrees. Hollenbeck in no way teaches, suggests, or discloses wherein a **vehicle comprises a single door. Hollenbeck explicitly teaches the opposite.** Hollenbeck teaches wherein a vehicle comprises a door for accessing a driver portion of a cab and an additional door on the same side of the vehicle for accessing a sleeper portion of a cab. Hollenbeck **explicitly teaches away from the limitations in claims 4-6 and 13-14.** It would not be obvious to a person of ordinary skill in the art to eliminate the driver's

door and only have a door located from a backside of the driver's seat. At best, this scenario would require a driver to enter the vehicle via the sleeper cab door (see 31 in FIG. 1 of Hollenbeck) and then *crawl through the passage (29) on his hands and knees* to access the driver's seat. This scenario may be physically impossible for many drivers and it certainly would not be an obvious change to make to Hollenbeck's disclosure.

Regarding claim 9, the Office Action asserts that Hollenbeck in view of Clark renders obvious the limitations "wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door." Applicant respectfully disagrees. The Office Action fails to cite any motivation to combine the Hollenbeck and Clark references, and in fact the references could not be combined to disclose the limitations of claim 9. Hollenbeck discloses wherein a truck comprises two doors – a door opening to a seat in a driver cabin and a door opening to a sleeper cabin that may be an entirely separate structure. A person having ordinary skill in the art could not replace one of the two doors disclosed in Hollenbeck with a sliding door. For example, if the hinged driver door disclosed in Hollenbeck was replaced with a sliding door, the sliding door would extend off the driver cab and on to the sleeper cab. This would not be feasible because the driver cab and the sleeper cab may be entirely separate structures as disclosed in Hollenbeck. Further, the sliding door would slide *over the second door* and render the second door useless. A person having ordinary skill in the art could not combine the Hollenbeck and Clark references.

iv. Independent Claim 59.

Regarding new independent claim 59, the Office Action asserts that the limitation "...wherein an entryway provides access to either of the driver's seat or the passenger's seat

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between the driver's seat and the passenger's seat" (as originally claimed in claim 23 and now a similar limitation is included in independent claim 59) is rendered obvious over Hollenbeck. Applicant respectfully disagrees.

Hollenbeck merely discloses a "passage" in FIG. 1 (see reference numeral 29) and the following in the detailed description, namely: "A passage 29 may be provided between the driver's portion 25 and the sleeper cab 27. A door 31 provided in a longitudinal wall of the sleeper cab 27 may be provided instead of or in addition to the passage 29 . . ." See ¶ [0012] of Hollenbeck. Hollenbeck provides no further explanation of the passage, including where the passage is located or the structure of the passage. See ¶ [0012] of Hollenbeck. Hollenbeck fails to disclose wherein a vehicle comprises a first (e.g., driver's) seat and a second (e.g., passenger's) seat, Hollenbeck fails to disclose wherein the passage (29) provides access to a seat, Hollenbeck fails to disclose the location of the passage in either of the specification or figures, the depiction of the passage in FIG. 1 is highly ambiguous, and no other figure in Hollenbeck includes the passage. A person having ordinary skill in the art would likely be confused by the "passage" in Hollenbeck and would certainly not find Claim 59 to be rendered obvious by Hollenbeck's disclosure of a "passage." That is, the "passage" in Hollenbeck does not disclose wherein "an entryway provides access to either of the driver's seat or the passenger's seat between the driver's seat and the passenger's seat" as claimed.

Further, the "passage" (29) in FIG. 1 of Hollenbeck appears to depict a hinged door having a vertical height from the bottom of the exterior driver's door to the bottom of the window in the exterior driver's door. Hollenbeck in no way teaches, suggests, or otherwise discloses wherein "the entryway is defined vertically from a floor of the cabin to a top of at least one of the first seat

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or the second seat” as claimed. Hollenbeck in fact **teaches away** from this limitation by disclosing wherein the passage has a very short vertical height that would likely require a driver to crawl through the passage on his hands and knees. Hollenbeck in no way teaches, suggests, or otherwise discloses each of the limitations of independent claim 1 as currently amended.

Thus, Applicant submits that the Hollenbeck reference does not disclose the combination of elements claimed in independent claims 1 and 59. Applicant further submits that each of the other references, including Bianco, Clark, and Regnell similarly fails to teach, suggest, or otherwise disclose, either alone or in combination, each of the elements of independent claims 1 and 59. Therefore, the Hollenbeck reference does not anticipate independent claims 1 and 59 and a finding of the same is respectfully requested.

Claims 2-22, 24-27, and 57 depend from independent claim 1, or a claim depending from independent claim 1, and are therefore allowable for at least the reason(s) given in support of independent claim 1 and a finding of the same is respectfully requested.

II. CONCLUSION.

In view of the foregoing, Applicant believes that all the pending claims are allowable and a finding of the same is respectfully requested.

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If any impediment to allowance of these claims remains after entry of this RESPONSE WITH AMENDMENT TO AUGUST 3, 2017 OFFICE ACTION, and such impediment could be alleviated during a telephone interview, the Examiner is invited to initiate the same with the undersigned.

DATED this 4th day of January 2018.

Respectfully submitted,



Terrence J. Edwards
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- 25 -

Electronic Acknowledgement Receipt	
EFS ID:	31404788
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	04-JAN-2018
Filing Date:	30-DEC-2016
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Application Type:	Utility under 35 USC 111(a)

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1	Supplemental Response or Supplemental Amendment	SupplementalResponsetoOfficeAction_BGT0012NP_Final.pdf	146142 4ab47a905702c18b1ae14930b06ea71054cff09	no	25

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ENTITY: LARGE SMALL MICRO**APPLICATION AS FILED – PART I**

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)			
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A				
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A				
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A				
TOTAL CLAIMS (37 CFR 1.16(j))	minus 20 =	*	X \$ =				
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =				
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.							
TOTAL							

APPLICATION AS AMENDED – PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	01/04/2018	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
		Total (37 CFR 1.16(i))	* 57	Minus	** 28	= 29	X \$40 =
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X \$210 =	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))						
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	1160	

(Column 1)

(Column 2)

(Column 3)

AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
		Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =
	Independent (37 CFR 1.16(h))	* *	Minus	***	=	X \$ =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))						
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

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Paper No.

Application No.:	15/396,209	Date Mailed:	2018-01-26
			ELECTRONIC
First Named Inventor:	Trevor R. Milton	Examiner:	SWENSON, BRIAN L
Attorney Docket No.:	BGT-0012.NP	Art Unit:	3618
Confirmation No.:	5158	Filing Date:	12/30/2016

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Commissioner for Patents

PTO-90c (Rev.08-06)

NOTICE REQUIRING EXCESS CLAIMS FEES	Application No. 15/396,209	Applicant(s) MILTON ET AL.
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The excess claim(s) filed on 04 January, 2018 is/are not accompanied by the appropriate payment of excess claims fees set forth in 37 CFR 1.16(h)-(j) or 1.492(d)-(f). Excess claims fees are required for each claim in independent form in excess of three (§ 1.16(h)), each claim (whether dependent or independent) in excess of twenty (note that § 1.75(c) indicates how multiple dependent claims are considered for fee calculation purposes) (§ 1.16(i)), and each application that contains a multiple dependent claim (§ 1.16(j)).

Since the application is not under a final rejection, applicant is given a time period of **TWO (2) MONTHS** from the mailing date of this notice to submit either: (1) the fee payment of \$ 1160.00, or (2) an amendment in compliance with 37 CFR 1.121 that cancels the excess claim(s), in order to avoid ABANDONMENT. Extensions of this time period may be granted under 37 CFR 1.136, unless the excess claim(s) was/were presented in a preliminary amendment.

- 1. The funds in Deposit Account No. are insufficient to cover the entire fee due. The balance is due within the time period set forth in this notice. See note below regarding the appropriate service charge.
- 2. The Credit Card payment to cover the entire fee due to Account (**Card type + last 4 digits ONLY**) was refused. The balance is due within the time period set forth in this notice. See note below regarding the appropriate service charge.
- 3. The amendment that includes the excess claim(s) has not been entered, since applicant has failed to remit (or authorize charge to a Deposit Account or Credit Card) the fee as indicated on the attached Patent Application Fee Determination Record (PTO/SB/06). Remittance or authorization is due within the time period set forth in this notice.
- 4. The fee submitted in this application is insufficient. A balance of \$ is due for presentation of excess claims (37 CFR 1.16(h)-(j) or 1.492(d)-(f)).
- 5. Other.

Explanation (*Provide specific details of the required correction in order to assist the applicant. Indicate whether a service charge has been added to the fee due:*)

THE AMOUNT OF THE FEE(S) DUE IS SUBJECT TO CHANGE, GENERALLY ON OCTOBER 1 OF EACH YEAR (37 CFR 1.16, 1.21 & 1.492). THE AMOUNT OF THE FEE(S) DUE IS DETERMINED AS OF THE DATE A COMPLETE REPLY WITH THE APPROPRIATE FEE(S) IS RECEIVED BY THE OFFICE (37 CFR 1.8 & 1.10). BECAUSE THE AMOUNT DUE IS SUBJECT TO CHANGE, IT IS RECOMMENDED THAT APPLICANT CHECK THE CURRENT FEE SCHEDULE WHICH IS AVAILABLE ON THE USPTO'S WEBSITE AT: <http://www.uspto.gov/web/offices/ac/qs/ope/fees.htm>

Service Charges: There is a \$50 service charge for processing each payment refused (including a check returned "unpaid") or charged back by a financial institution (37 CFR 1.21(m)). There is a \$25.00 service charge for each month when the balance of a deposit account is below \$1000 at the end of the month (37 CFR 1.21(b)(2)).

Technical Support Staff (TSS): TONI HAKIM Phone Number: (571)272-4353

Note to TSS: Please do NOT use this notice if the application is under a final rejection.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS:	TREVOR R. MILTON, et al.	SUPPLEMENTAL RESPONSE WITH AMENDMENT TO AUGUST 3, 2017 OFFICE ACTION
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Brian L. Swenson	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

To The Commissioner For Patents:

Responsive to the Office Action dated August 3, 2017 and the Notice dated January 26, 2018, and supplemental to the "Response with Amendment to August 3, 2017 Office Action," Applicant presents the following supplemental amendments and remarks. Applicant requests reconsideration of the above-captioned application in view of the following amendments and remarks.

Amendments to the claims begin on page 2 of this Response.

Remarks begin on page 8 of this Response.

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In the Claims:

The following listing of patent claims replaces any previous listing of the patent claims.

Any amendments to the patent claims are made without prejudice to any future submissions of the original claims.

CLAIMS

1. (Currently Amended) A semi-truck vehicle comprising:
an electric drive train;
a body;
a cabin located within the body of the semi-truck vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;
~~at least one~~ a seat located in the interior of the cabin that is configured for seating a user;
and
~~at least one~~ a door comprising a width extending a horizontal length of the door, wherein
~~that~~ the door provides ingress and egress to the interior of the cabin of the semi-truck vehicle;
wherein the ~~at least one~~ door is located with respect to the body, such that a majority of the
width of the door is located at a backside of the seat when the door is in a closed position, such that
the at least one door opens to provide ingress and egress into the cabin from a backside of the at-
least one seat; and
wherein the door is the foremost door providing ingress or egress into the interior of the
cabin.

2. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle is an electric vehicle comprising a battery pack that is coupled to an electric drive train.
3. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.
4. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle comprises only a single door.
5. (Currently Amended) The semi-truck vehicle of claim 4, wherein the single door is located on a driver's left side when the user is seated in the seat of the semi-truck vehicle.
6. (Currently Amended) The semi-truck vehicle of claim 4, wherein the single door is located on a passenger's right side when the user is seated in the seat of the semi-truck vehicle.
7. (Currently Amended) The semi-truck vehicle of claim 1, wherein the at least one door of the semi-truck vehicle comprises a first door and a second door.
8. (Currently Amended) The semi-truck vehicle of claim 7, wherein the first door is located on a driver's left side when the user is seated in the seat of the semi-truck vehicle and the second door is located on a passenger's right side when the user is seated in the seat of the semi-truck vehicle.

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9. (Currently Amended) The semi-truck vehicle of claim 1, wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the semi-truck vehicle to open and close the ~~at least one~~ door.
10. (Currently Amended) The semi-truck vehicle of claim 9, wherein the ~~at least one~~ door moves outward with respect to the body and backward with respect to the ~~at least one~~ seat as the door is moved to an open position.
11. (Currently Amended) The semi-truck vehicle of claim 10, wherein an activation signal turns on a drive motor to pull the ~~at least one~~ door open and closed.
12. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door is hinged at one end and attached to the body of the semi-truck vehicle to open and close the ~~at least one~~ door.
13. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door is the foremost door providing ingress or egress into the interior of the cabin.
14. (Currently Amended) The semi-truck vehicle of claim 1, wherein there is no additional door that is located in front of, the ~~at least one~~ door providing ingress or egress into the interior of the cabin.

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15. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door comprises a peak load sensor configured to sense a threshold, such that when a load on the ~~at least one~~ door is higher than the threshold a control unit reverses the direction of the ~~at least one~~ door and keeps the ~~at least one~~ door from closing.

16. (Currently Amended) The semi-truck vehicle of claim 1, wherein the ~~at least one~~ door is located approximately at a midpoint of the body of the semi-truck vehicle to provide ingress and egress into the cabin.

17. (Cancelled).

18. (Currently Amended) The semi-truck vehicle of claim 1, wherein the vehicle is an electric driven class 7 semi-truck.

19. (Currently Amended) The semi-truck vehicle of claim 1, wherein the vehicle is an electric driven class 8 semi-truck.

20. (Currently Amended) The semi-truck vehicle of claim 1, wherein the vehicle further comprises a sleeper within the cabin.

21. (Currently Amended) The semi-truck vehicle of claim 20, wherein the ~~at least one~~ door opens into the sleeper of the cabin.
22. (Currently Amended) The semi-truck vehicle of claim 20, wherein the sleeper comprises a bunk bed, a cooling appliance having a volume that is at least 15 cubic feet, and a microwave oven.
23. (Currently Amended) The semi-truck vehicle of claim 1, wherein the cabin comprises a ~~driver's first~~ seat and a ~~passenger's second~~ seat, and wherein access to either of the ~~driver's first~~ seat or the ~~passenger's second~~ seat is provided between the ~~passenger's second~~ seat and the ~~driver's first~~ seat.
24. (Currently Amended) The semi-truck vehicle of claim 1, wherein an opening into the cabin comprises a clearance that is at least six feet five inches in height.
25. (Currently Amended) The semi-truck vehicle of claim 20, wherein entry into the cabin of the semi-truck vehicle provides full access to the ~~at least one~~ seat and the sleeper simultaneously.
26. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

27. (Currently Amended) The semi-truck vehicle of claim 26, wherein there are two steps and two ~~hand holds~~ handholds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

28-56. (Cancelled).

57. (Currently Amended) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle is a hybrid vehicle comprising electrical and combustion components.

58. (Cancelled).

59. (New) A semi-truck vehicle comprising:
an electric drive train;
a body;
a cabin located within the body of the vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;
a first seat and a second seat located in the interior of the cabin;
a door that provides ingress and egress to the interior of the cabin; and
an entryway provided between the first seat and the second seat, wherein the entryway comprises a vertical height extending from a floor of the cabin to at least a top of the first seat or the second seat;
wherein the entryway provides access to either of the first seat or the second seat.

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REMARKS

Claims 1-16, 18-27, 57 and 59 are currently pending in the application. Claims 17, 28-56, and 58 have been cancelled. New claim 59 has been added. However, new claim 59 does not require a fee since Applicant previously paid for 28 total claims, including three independent claims. After entry of this amendment, including the cancellation of claim 17 and the addition of claim 59, there are still 28 total claims (two of which are independent) pending for examination. Independent claim 1 and dependent claims 2-16, 18-27, and 57 are being amended. Claims 1-16, 18-27, 57, and 59 are being examined. Any amendments to the patent claims are made without prejudice to any future submission of the original claims in another application. No new matter has been added to the claims.

Every ground of rejection has been addressed by this Response and Applicant respectfully requests that the amendments and remarks presented in this Response be entered and the claims be found allowable. Applicant expresses appreciation for the guidance given by the Examiner in the August 3, 2017 Office Action.

I. APPLICANT THANKS EXAMINER FOR THE TELEPHONE INTERVIEW

Applicant thanks Examiner Swenson for the telephone interview on November 7, 2017. In the interview, counsel and Examiner discussed the amendments provided in “Response with Amendment to August 3, 2017 Office Action” and Examiner provided counsel permission to file this Supplemental Response.

Counsel and Examiner discussed the issues raised under 35 U.S.C. §§ 102 and 103 and particularly with respect to the Hollenbeck reference. Examiner agreed the proposed amendments likely overcame the § 102 rejections in view of Hollenbeck. Counsel discussed the innovations

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disclosed in the present application and Examiner provided Counsel guidance on potential amendments that might permit an allowance.

Applicant again thanks Examiner for the telephone interview and for permitting Counsel to file this Supplemental Response. Counsel has incorporated the substance of the interview in this Supplemental Response.

II. ISSUES RAISED UNDER 35 U.S.C. §102(a)(1) AND §103(a) ARE TREATED.

The August 3, 2017 Office Action raised an **anticipation issue under 35 U.S.C. §102(a)(1) with respect to independent claim 1** in light of the disclosure in U.S. Patent Publication No. 2008/0191515 (hereinafter referred to as the “Hollenbeck reference”). The August 3, 2017 Office Action also raised an **obviousness issue under 35 U.S.C. §103 with respect to dependent claims 2, 3, 18-19 and 57** in light of the disclosure in the Hollenbeck reference in view of U.S. Patent Publication No. 2011/0114398 (hereinafter referred to as the “Bianco reference”). The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 4-6, 8, 12-14 and 22-24** in light of the disclosure in the Hollenbeck reference. The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 9-11 and 15** in light of the disclosure in the Hollenbeck reference in view of U.S. Patent No. 6,904,717 (hereinafter referred to as the “Clark et al. reference”). The August 3, 2017 Office Action also raised an **obvious issue under 35 U.S.C. §103 with respect to dependent claims 26 and 27** in light of the disclosure in the Hollenbeck reference in view of U.S. Patent No. 7,637,557 (hereinafter referred to as the “Regnell et al. reference”).

Applicant respectfully traverses the rejections made in the Office Action and reserves the right to file the originally filed patent claims in another application. The amendments provided

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herein are to advance prosecution only and are not an admission that the claims as originally filed are not allowable as originally filed.

Counsel has carefully studied the references relied upon in the August 3, 2017 Office Action. Counsel respectfully submits that the references relied upon do not anticipate certain aspects of the claims or render aspects of the claims obvious. Applicant submits that the currently amended claims are allowable and a finding of the same is respectfully requested. Applicant provides the following arguments in support of patentability of the claims presented.

A. The Office Action Fails To Make A Prima Facie Case That The Claims Are Anticipated Or Rendered Obvious By The Cited Art

Applicant respectfully traverses the rejections for at least the reason that the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. Under the guidelines in the MPEP, the Office Action must establish that the references teach or suggest each and every claim element or explain “why the difference(s) between the prior art and the claim invention would have been obvious.” The Office Action does neither.

By way of example and with respect to claim 6, the Office Action asserts “it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide the single door … on a passenger’s side of the vehicle.” See ¶ 17 of the Office Action. Hollenbeck discloses wherein a truck includes a door to access a driver portion and an additional door to access a sleeper portion. Hollenbeck further discloses wherein the driver portion and the sleeper portion are separate structures. Because a driver cannot access the driver’s seat via the sleeper portion in Hollenbeck, it would not be obvious to eliminate the driver’s door. The Office Action fails to

suggest how it would be obvious to eliminate the only door that provides access to the driver's seat in Hollenbeck.

Further by way of example and with respect to claims 13 and 14, the Office Action asserts that "providing a single door would make the door the foremost door providing ingress or egress [into] the interior of the cabin, as all these variations would [be] design choices within the ordinary practitioner's skill level and understanding, and would deliver a predictable associated result." See ¶ 17 of the Office Action. The Office Action makes a conclusory statement and offers no guidance as to why it would be obvious to have a single door located at a backside of at least one of the first (e.g., driver's) seat or the second (e.g., passenger's) seat. That is, the Office Action asserts it would be obvious to eliminate the only door providing access to the driver's seat in Hollenbeck. The Office Action fails to state why it would be obvious to eliminate access to a driver's seat in a vehicle. The Office Action fails to make a *prima facie* case that it would be obvious to have a vehicle comprising the limitations of independent claim 1 that comprises only one door.

Because the Office Action fails to show that the references teach or suggest each and every claim element and fails to explain why the differences between the prior art and the claimed invention would have been obvious to a person of skill in the art, the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. The rejections are thus improper. Applicant respectfully requests that Examiner withdraw the rejections under 35 U.S.C. §§ 102 and 103.

B. The Law Supports A Finding That Applicant’s Independent Claim 1 Is Not Anticipated By The Hollenbeck Reference And Is Therefore Allowable.

MPEP 2131 discusses the circumstances under which a claim is considered as being anticipated. According to MPEP 2131, “A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). Further the Federal Circuit has clearly held: “The identical invention must be shown in as complete detail as is contained in the . . . claim.” *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989). Moreover, “[e]very element of the claimed invention must be literally present, arranged as in the claim.” *Id.*

Section 102 embodies the concept of novelty—if a device or process has been previously invented (and disclosed to the public), then it is not new, and therefore the claimed invention is “anticipated” by the prior invention . . . Because the hallmark of anticipation is prior invention, the prior reference—in order to anticipate the claims under 35 U.S.C. §102—must not only disclose all elements of the claim within the four corners of the document, but must also disclose those elements “arranged as in the claim.” *Net MoneyIn v. Verisign*, 545 F.3d 1359 (Fed. Cir. 2008).

The Hollenbeck reference does not disclose all elements of the claim within the four corners of the document, and further does not also disclose those elements “arranged as in the claim.” *Id.* More specifically, the Hollenbeck reference does not disclose “*an electric drive train*,” “*a door comprising a width extending a horizontal length of the door, wherein the door provides ingress and egress to the interior of the cabin of the semi-truck vehicle; wherein the door is located with respect to the body, such that a majority of the width of the door is located at a*

backside of the seat when the door is in a closed position, such that the door opens to provide ingress and egress into the cabin from a backside of the seat; and wherein the door is the foremost door providing ingress or egress into the interior of the cabin,” along with the other features claimed.

Hollenbeck discloses a truck having a cab with a sleeper bed disposed longitudinally from head to foot within the cab. Hollenbeck discloses wherein the sleeper bed extends over and above the driver portion of a truck cab. **Hollenbeck fails to disclose, *inter alia*, a semi-truck vehicle comprising:**

- “an electric drive train” (see claim 1);
- “wherein the door is located with respect to the body, such that a majority of the width of the door is located at a backside of the seat when the door is in a closed position, such that the door opens to provide ingress and egress into the cabin from a backside of the seat” (see claim 1);
- “wherein the door is the foremost door providing ingress or egress into the interior of the cabin” (see claim 1);
- “wherein the vehicle comprises only a single door” (see claim 4);

i. **The Combination Of Elements In Independent Claim 1 Constitute Novel And Non-Obvious Improvements To The Art.**

Further to the discussions in the telephone interview on November 7, 2017, Applicant notes that the combination of elements in the independent claims constitute novel improvements to the art of semi-truck vehicles and electric vehicles. The present application discloses embodiments of a reconfigured and more spacious semi-truck cabin. The combination of elements in the

independent claims, including the electric drive train and the location of the door, contribute to a more spacious cabin in a semi-truck. The reconfigured cabin may accommodate, for example, larger appliances, a spacious sleeper area, and larger beds. The reconfigured cabin may further permit a user to stand upright in the sleeper area and have a greater view of the road from a seat such as a driver's seat or a passenger's seat. See ¶¶ [[0041, 0043, 0048, 0052]] of Detailed Description.

The combination of elements in the claims constitute novel and non-obvious improvements to the art of semi-trucks and electric vehicles. Improvements in embodiments of the disclosure include, for example, the introduction of an electric drive train in a semi-truck capable of providing the necessary horsepower and torque. Further improvements include the reconfiguration of a semi-truck cabin. An embodiment of the vehicle “includes an electric motor and associated gear train (e.g., gear train with dual gear reduction) at every wheel 142, 146, which motors and gear trains may be grouped in pairs to form a motor gearbox assembly...The vehicle’s six electric motors may produce superior horsepower, torque, acceleration, pulling and stopping power over other class 8 semi-trucks known in the art.” ¶ [0028] of Detailed Description. Further concerning the reconfiguration of the semi-truck cabin, “the inclusion of an electric motor, and the elimination of a standard combustion engine, may allow for the reconfiguration of the layout and structure of a standard semi-truck as known in the art.” *Id.* Further, “The elimination of the combustion engine has, for example, provided for at least one seat to be located at a position nearer the front of the vehicle body 102 than in a conventional semi-truck.” *Id.*

Each of the cited references, either alone or in combination, fails to teach, suggest, or otherwise disclose each of the elements of the independent claims.

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ii. Independent Claim 1.

Regarding independent claim 1, the Office Action asserts the limitation “...wherein the door is the foremost door providing ingress or egress into the interior of the cabin” (as originally claimed in claim 13 and now amended into independent claim 1) is rendered obvious over Hollenbeck. Applicant respectfully disagrees.

Hollenbeck discloses wherein a hinged door provides access to a day cab of a vehicle such that a user enters the cab at the driver’s seat or the passenger’s seat. This foremost door is not located at a backside of a seat. Hollenbeck discloses wherein an additional door located behind the foremost door provides access to a separate sleeper cabin. In the embodiment disclosed in Hollenbeck, a user cannot access the driver’s seat or the passenger’s seat except by entering the vehicle through either of the two foremost doors. The Office Action fails to explain how it would be obvious to remove the only door(s) providing access to the driver’s seat and/or the passenger’s seat and only have a door providing access to a separate sleeper cabin.

Because the limitations of independent claim 1 are not disclosed by Hollenbeck or any other cited references, Applicant asserts that the claim is allowable and respectfully requests the same.

iii. Applicant’s Dependent Claims 4-6, 9 and 13-14 Are Considered Independently From The Base Claim.

Regarding claims 4-6 and 13-14, the Office Action asserts that Hollenbeck renders obvious the limitations of these claims. Applicant respectfully disagrees. Hollenbeck in no way teaches, suggests, or discloses wherein a **vehicle comprises a single door. Hollenbeck explicitly teaches the opposite.** Hollenbeck teaches wherein a vehicle comprises a door for accessing a

driver portion of a cab and an additional door on the same side of the vehicle for accessing a sleeper portion of a cab. Hollenbeck **explicitly teaches away from the limitations in claims 4-6 and 13-14.** It would not be obvious to a person of ordinary skill in the art to eliminate the driver's door and only have a door located from a backside of the driver's seat. At best, this scenario would require a driver to enter the vehicle via the sleeper cab door (see 31 in FIG. 1 of Hollenbeck) and then *crawl through the passage (29) on his hands and knees* to access the driver's seat. This scenario may be physically impossible for many drivers and it certainly would not be an obvious change to make to Hollenbeck's disclosure.

Regarding claim 9, the Office Action asserts that Hollenbeck in view of Clark renders obvious the limitations "wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door." Applicant respectfully disagrees. The Office Action fails to cite any motivation to combine the Hollenbeck and Clark references, and in fact the references could not be combined to disclose the limitations of claim 9. Hollenbeck discloses wherein a truck comprises two doors – a door opening to a seat in a driver cabin and a door opening to a sleeper cabin that may be an entirely separate structure. A person having ordinary skill in the art could not replace one of the two doors disclosed in Hollenbeck with a sliding door. For example, if the hinged driver door disclosed in Hollenbeck was replaced with a sliding door, the sliding door would extend off the driver cab and on to the sleeper cab. This would not be feasible because the driver cab and the sleeper cab may be entirely separate structures as disclosed in Hollenbeck. Further, the sliding door would slide *over the second door* and render the second door useless. A person having ordinary skill in the art could not combine the Hollenbeck and Clark references.

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iv. Independent Claim 59.

Regarding new independent claim 59, the Office Action asserts that the limitation “...wherein an entryway provides access to either of the driver’s seat or the passenger’s seat between the driver’s seat and the passenger’s seat” (as originally claimed in claim 23 and now a similar limitation is included in independent claim 59) is rendered obvious over Hollenbeck. Applicant respectfully disagrees.

Hollenbeck merely discloses a “passage” in FIG. 1 (see reference numeral 29) and the following in the detailed description, namely: “A passage 29 may be provided between the driver’s portion 25 and the sleeper cab 27. A door 31 provided in a longitudinal wall of the sleeper cab 27 may be provided instead of or in addition to the passage 29 . . .” See ¶ [0012] of Hollenbeck. Hollenbeck provides no further explanation of the passage, including where the passage is located or the structure of the passage. See ¶ [0012] of Hollenbeck. Hollenbeck fails to disclose wherein a vehicle comprises a first (e.g., driver’s) seat and a second (e.g., passenger’s) seat, Hollenbeck fails to disclose wherein the passage (29) provides access to a seat, Hollenbeck fails to disclose the location of the passage in either of the specification or figures, the depiction of the passage in FIG. 1 is highly ambiguous, and no other figure in Hollenbeck includes the passage. A person having ordinary skill in the art would likely be confused by the “passage” in Hollenbeck and would certainly not find Claim 59 to be rendered obvious by Hollenbeck’s disclosure of a “passage.” That is, the “passage” in Hollenbeck does not disclose wherein “an entryway provides access to either of the driver’s seat or the passenger’s seat between the driver’s seat and the passenger’s seat” as claimed.

Further, the “passage” (29) in FIG. 1 of Hollenbeck appears to depict a hinged door having a vertical height from the bottom of the exterior driver’s door to the bottom of the window in the exterior driver’s door. Hollenbeck in no way teaches, suggests, or otherwise discloses wherein “the entryway is defined vertically from a floor of the cabin to a top of at least one of the first seat or the second seat” as claimed. Hollenbeck discloses wherein the passage has a very short vertical height that would likely require a driver to crawl through the passage on his hands and knees. Hollenbeck in no way teaches, suggests, or otherwise discloses each of the limitations of independent claim 1 as currently amended.

Thus, Applicant submits that the Hollenbeck reference does not disclose the combination of elements claimed in independent claims 1 and 59. Applicant further submits that each of the other references, including Bianco, Clark, and Regnell similarly fails to teach, suggest, or otherwise disclose, either alone or in combination, each of the elements of independent claims 1 and 59. Therefore, the Hollenbeck reference does not anticipate independent claims 1 and 59 and a finding of the same is respectfully requested.

Claims 2-22, 24-27, and 57 depend from independent claim 1, or a claim depending from independent claim 1, and are therefore allowable for at least the reason(s) given in support of independent claim 1 and a finding of the same is respectfully requested.

II. CONCLUSION.

In view of the foregoing, Applicant believes that all the pending claims are allowable and a finding of the same is respectfully requested.

If any impediment to allowance of these claims remains after entry of this RESPONSE WITH AMENDMENT TO AUGUST 3, 2017 OFFICE ACTION, and such impediment could be

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alleviated during a telephone interview, the Examiner is invited to initiate the same with the undersigned.

DATED this 26th day of January 2018.

Respectfully submitted,



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- 19 -

Electronic Acknowledgement Receipt	
EFS ID:	31623122
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	26-JAN-2018
Filing Date:	30-DEC-2016
Time Stamp:	18:06:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	2nd_Supplemental_Response_to_Office_Action_BGT0012NP.pdf	127413 d79ed1d699893227629b7357568a66d016 59d07a	no	19

Warnings:

Information:	Total Files Size (in bytes):	127413
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.		
<u>New Applications Under 35 U.S.C. 111</u>		
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.		
<u>National Stage of an International Application under 35 U.S.C. 371</u>		
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.		
<u>New International Application Filed with the USPTO as a Receiving Office</u>		
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.		

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PATENT APPLICATION FEE DETERMINATION RECORD
 Substitute for Form PTO-875
Application or Docket Number
15/396,209Filing Date
12/30/2016 To be MailedENTITY: LARGE SMALL MICRO**APPLICATION AS FILED – PART I**

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)			
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A				
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A				
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A				
TOTAL CLAIMS (37 CFR 1.16(j))	minus 20 =	*	X \$ =				
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =				
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.							
TOTAL							

APPLICATION AS AMENDED – PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	01/26/2018	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
		Total (37 CFR 1.16(j))	* 27	Minus	** 28	= 0	X \$50 =
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X \$230 =	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))						
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0	

(Column 1)

(Column 2)

(Column 3)

AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
		Total (37 CFR 1.16(j))	*	Minus	**	=	X \$ =
	Independent (37 CFR 1.16(h))	* *	Minus	***	=	X \$ =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))						
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875		Application or Docket Number 15/396,209	Filing Date 12/30/2016	<input type="checkbox"/> To be Mailed
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ENTITY: LARGE SMALL MICRO**APPLICATION AS FILED – PART I**

(Column 1)	(Column 2)			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	Fee (\$)
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	minus 20 =	*	X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.				
				TOTAL

APPLICATION AS AMENDED – PART II

(Column 1)	(Column 2)	(Column 3)				
AMENDMENT	01/26/2018	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
Total (37 CFR 1.16(j))	* 28	Minus	** 28	= 0	x \$50 =	0
Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	x \$230 =	0
<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))						
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
				TOTAL ADD'L FEE	0	

(Column 1)	(Column 2)	(Column 3)				
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
Total (37 CFR 1.16(j))	*	Minus	**	=	x \$ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$ =	
<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))						
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
				TOTAL ADD'L FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

LIE
JAMES TUNSTALL

<i>Notice of References Cited</i>		Application/Control No. 15/396,209	Applicant(s)/Patent Under Reexamination Milton et al.	
		Examiner BRIAN L SWENSON	Art Unit 3618	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20110121606-A1	05-2011	Engelbrecht; Roy Frank	B62D33/06	296/156
*	B	US-9108688-B2	08-2015	Stutz; Marco	B62D33/0612	1/1
*	C	US-5201379-A	04-1993	Penzotti; Roger P.	B62D33/0612	180/89.18
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
Examiner	Art Unit	
BRIAN L SWENSON	3618	

CPC - Searched*		
Symbol	Date	Examiner
B62D 33/0612	7/26/2017	bls
B60J 5/0497	7/26/2017	bls
B62D 33/06	7/26/2017	bls

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes			
Search Notes		Date	Examiner
forward and backward searched all cited references		7/26/2017	bls
PLUS search		7/26/2017	bls
EAST inventor search		7/26/2017	bls
B60k 6/20 (see text searching)		7/26/2017	bls
see text searching for full text searching strategy		7/26/2017	bls
search updated		03/16/2018	bls

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

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Search Notes	Application/Control No. 15/396,209	Applicant(s)/Patent Under Reexamination Milton et al.
	Examiner BRIAN L SWENSON	Art Unit 3618

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<i>Index of Claims</i>	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
	Examiner	Art Unit
	BRIAN L SWENSON	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS							
CLAIM		DATE					
Final	Original	07/26/2017	03/14/2018				
	1	✓	✓				
	2	✓	✓				
	3	✓	✓				
	4	✓	✓				
	5	✓	✓				
	6	✓	✓				
	7	✓	✓				
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	14	✓	✓				
	15	✓	✓				
	16	✓	✓				
	17	✓	-				
	18	✓	✓				
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	39	-	-				
	40	-	-				
	41	-	-				
	42	-	-				

<i>Index of Claims</i>	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
	Examiner	Art Unit
	BRIAN L SWENSON	3618

CLAIM		DATE								
Final	Original	07/26/2017	03/14/2018							
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	44	-	-							
	45	-	-							
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	55	-	-							
	56	-	-							
	57	✓	✓							
	58	-	✓							

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 15:48
S2	222	B62D33/0612.cpc.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:08
S3	165	B60J5/0497.cpc.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:23
S4	340	B60K6/20.cpc.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:42
S5	14	S4 and cab	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:42
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S7	222	("2198407" "2728702" "2730772" "2815243" "3163434" "3586119" "3625560" "3711146" "3817545" "3879240" "3951222" "4027739" "4121684" "4124246" "4157021" "4201415" "4378856" "4491362" "4496188" "4511175" "4542933" "4611847" "4671560" "4705716" "4707020" "4739853" "4746160" "4750772" "4775179" "4836568" "4913485" "4917435" "4950522"	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 12:02

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S9	4	(US-20130069391-\$).did. or (US-5083834-\$ or US-4436177-\$ or US-4351554-\$).did.	US- PGPUB; USPAT	OR	OFF	2017/07/26 12:41	
S10	28	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$).did.	US- PGPUB; USPAT	OR	OFF	2017/07/26 12:42	
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S12	1	("20080191515").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 12:48	
S13	1	S12 and door	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 12:48	
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S15	1	("20080191515").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:09	
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EAST Search History

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S18	0	S16 and (hand with hold)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:26
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S20	1	"semi-truck" and "hand hold"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:28
S21	108	"semi-truck" and "handle" and step	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:28
S22	4	"semi-truck" and "hand rail"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:30
S23	790	"semi" and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
S24	321	"semi" and handhold and steps	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
S25	36	"semi" and handhold and steps and truck	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
S26	115	handhold and steps and truck	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
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S28	69	("semi-truck" or "semi-trailer" or "tractor trailer") and ("hand hold" or "handhold")	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:39
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EAST Search History

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S32	33	S31 not S30	US- PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 16:00
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S34	10377	"recreation vehicle" or "recreational vehicle"	US- PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:48
S35	2607	S34 and door	US- PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:49
S36	896	S35 and seat	US- PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:49
S37	815	S35 and "RV"	US- PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:50
S38	3	S35 and sprinter	US- PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:55
S39	1	("20110114398").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 11:33
S40	1	("20110121606").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 13:52
S41	2	"15396209"	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 14:30
S42	65	("0022025" "0534756" "0544547"	US-	OR	ON	2018/03/14

EAST Search History

		"0593445" "0867409" "0931962" "1197035" "1417719" "2673353" "2968048" "4058860" "4141093" "4351554" "5031563" "5201379" "5560673" "5638560").PN. OR ("5984404").URPN.	PGPUB; USPAT; USOCR			15:03
S43	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:49
S44	28042	"tractor trailer" or "tractor-trailer" or "semi-trailer" or "semi trailer" or "semi truck" or "semi-truck"	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:52
S45	2329	S44 and hybrid	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:53
S46	1772	S45 and motor	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:53
S47	39	S46 and sleeper	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:53
S48	238	S46 and door and seat	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:55
S49	89	S46 and door and (passenger with seat)	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:55
S50	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:57
S51	18	("3371359" "4196483" "4497078" "4669139" "4713851" "4868939" "5822813" "6493886" "6505363" "6631526").PN. OR ("6718574").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:59
S52	217	S44 and (hybrid with electric with drive)	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 16:03
S53	25	S52 and door and seat	US- PGPUB;	OR	ON	2018/03/14 16:03

EAST Search History



3/15/2018 11:12:05 AM

C:\Users\bswenson\Documents\EAST\Workspaces\15396209 door for semi.wsp



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP	5158
112802	7590	03/21/2018	EXAMINER	
TechLaw Ventures, PLLC			SWENSON, BRIAN L	
3290 West Mayflower Way				
Lehi, UTAH 84043			ART UNIT	PAPER NUMBER
UNITED STATES OF AMERICA			3618	
			NOTIFICATION DATE	DELIVERY MODE
			03/21/2018	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docket@techlawventures.com
terrence.edwards@techlawventures.com

Office Action Summary	Application No. 15/396,209	Applicant(s) Milton et al.	
	Examiner BRIAN L SWENSON	Art Unit 3618	AIA Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 1/26/2018.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) Claim(s) 1-16,18-27 and 57 is/are pending in the application.
 5a) Of the above claim(s) _____ is/are withdrawn from consideration.
 6) Claim(s) _____ is/are allowed.
 7) Claim(s) 1-16,18-27,57 and 59 is/are rejected.
 8) Claim(s) _____ is/are objected to.
 9) Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/phph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) The specification is objected to by the Examiner.
 11) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some** c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892) 3) Interview Summary (PTO-413)
 2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.
 Paper No(s)/Mail Date _____. 4) Other: _____.

DETAILED ACTION

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.
2. Acknowledgment is made of the response filed on 26 January 2018 where:
 - a. Claims 1-16, 18-27 and 57 Amended
 - b. Claim 17, 28-56 and 58 Cancelled;
 - c. Claim 59 Added.

Claim Rejections - 35 USC § 112

3. The following is a quotation of 35 U.S.C. 112(d):

(d) REFERENCE IN DEPENDENT FORMS.—Subject to subsection (e), a claim in dependent form shall contain a reference to a claim previously set forth and then specify a further limitation of the subject matter claimed. A claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.

The following is a quotation of pre-AIA 35 U.S.C. 112, fourth paragraph:

Subject to the following paragraph [i.e., the fifth paragraph of pre-AIA 35 U.S.C. 112], a claim in dependent form shall contain a reference to a claim previously set forth and then specify a further limitation of the subject matter claimed. A claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.

4. Claims 13 and 14 are rejected under 35 U.S.C. 112(d) or pre-AIA 35 U.S.C. 112, 4th paragraph, as being of improper dependent form for failing to further limit the subject matter of the claim upon which it depends, or for failing to include all the limitations of the claim upon which it depends. All limitations for Claims 13 and 14 are found in currently Amended Claim 1. Applicant may cancel the claim(s), amend the claim(s) to place the claim(s) in proper dependent form, rewrite the claim(s) in independent form, or present a sufficient showing that the dependent claim(s) complies with the statutory requirements.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

6. **Claims 1-8, 12-14, 16, 18-25, and 57 is/are rejected under 35 U.S.C. 103 as being unpatentable over U.S. Patent Publication No. 2008/0191515 issued to Hollenbeck in view of U.S. Patent Publication No. 2011/0114398 issued to Bianco (cited in the IDS filed 6/13/2017) and in further view of U.S. Patent Publication No. 2011/0121606 issued to Engelbrecht et al.**

7. Regarding Claim 1, Hollenbeck teaches of a semi-truck vehicle (21; see Figure 1) comprising:

a body (25; Figure 1);
a cabin (27) located within the body of the semi-truck vehicle (21), wherein the cabin (27) comprises an interior (see Figure 2) that is configured to accommodate at least one person;
a seat (shown in Figure 2) located in the interior of the cabin that is configured for seating a user;
at least one door (31) comprising a width extending a horizontal length (Figure 2) of the door, where the door provides ingress and egress to the interior of the cabin (27) of the vehicle (21);

wherein the at least one door (31) is located with respect to the body, such that a majority of the width of the door is located at a backside of the seat (compare the relative position of the

door 31 in Figure 1 and the placement of the seat in Figure 2) when the door is closed, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat (see Figure 1 where the door is shown to be located behind where the seat is shown in Figure 2).

8. Hollenbeck disclose the claimed invention except for teaching of an electric drive train.

9. Bianco, however, teaches that it is known to provide a hybrid drive for a semi-truck vehicle, where the hybrid drive includes an electric drive train (the electric motor 20 connected to the drive train components as shown in the figures form an electric drive train that is able to drive the semi-truck).

10. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a hybrid vehicle arrangement with an electric drive train, as taught by Bianco, for the semi-truck taught by Hollenbeck. One would be motivated to provide an electric drive train in order to provide the advantage of operating under electric power which would be advantageous to reduce vehicle emissions in urban environments and to improve fuel efficiency.

11. Hollenbeck as modified by Bianco disclose the claimed invention except Hollenbeck shows a door located in front of door (31).

12. Vehicles with a single door are known in the art. For example, Engelbrecht et al. teaches of a vehicle where only door (37) is shown (Figure 3) for accessing the cab (see also paragraph [0034]) of the vehicle, and the door (37) is located at a backside of a driver's seat.

13. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide only door (31; taught by Hollenbeck) located at a backside of the driver's seat, as taught by Engelbrecht et al., for the semi-truck vehicle taught by Hollenbeck.

Providing only a single door would be advantageous to reduce manufacturing costs, to increase safety of the vehicle in the event of a crash by providing a more rigid cab, and to also increase the streamlining (by removing the door seams) which would increase the fuel efficiency of the vehicle.

14. Regarding **Claims 2, 3, 18, 19 and 57**, Hollenbeck disclose the claimed invention except for disclosing the vehicle drive for the semi-truck. Specifically *in re claim 2* if an electric drive with a battery pack coupled to the electric drive train is used; *in re claim 3* if a combustion engine is used; *in re claim 18* if the vehicle is an electric drive class 7 semi; *in re claim 19* if the vehicle is an electric drive class 8 semi-truck; *in re claim 57* if the vehicle is hybrid drive.

15. Bianco teaches that it is known to provide a hybrid drive with an internal combustion engine (23), motor (20) and battery (22).

16. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a hybrid drive with a combustion engine and electric drive, as taught by Bianco, for the drive for the semi-truck taught by Hollenbeck. One would be motivated to provide a hybrid drive to reduce exhaust emissions. Regarding Claims 18-19, it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide the electric drive for a class 7 or class 8 semi-truck to allow the semi to meet appropriate hauling capacities as it has been held to be within the level of ordinary skill of a worker in the art to design the hauling capacity of the truck on the basis of its suitability for the intended use.

17. Regarding **Claim 4**, Hollenbeck shows the vehicle has a door (31) and Hollenbeck shows (unlabeled) a door for the cab (23). However it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide only a single door. The selection of

a single door would be a modification of no more than routine level, would be well within the ordinary practitioner's skill level and understanding, and would deliver a predictable associated result, providing a single door would further be advantageous to reduce manufacturing costs, to increase safety of the vehicle in the event of a crash by providing a more rigid cab, and to also increase the streamlining (by removing the door seams) which would increase the efficiency of the vehicle. Further regarding **Claims 5, 6, 8, 13 and 14**, it would also have been obvious to one having ordinary skill in the art at the time the invention was filed to provide the single door on driver's side of the vehicle *in re claim 5* or on a passenger's side of the vehicle *in re claim 6*, or *in re claim 8* to provide a first door on a driver's side and a second door on the passenger side; *in re claims 13-14* providing a single door would make the door the foremost door providing ingress or egress into the interior of the cabin, as all these variations would design choices within the ordinary practitioner's skill level and understanding, and would deliver a predictable associated result.

18. Regarding **Claim 7**, Hollenbeck teaches the at least one door (31) of the vehicle comprises a first door (31) and a second door (Figure 1 shows a door located near element 29). However, it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a second door, located on the opposite side of the cab as door (31) to allow a user to enter and exit the cab from either side of the vehicle.

19. Regarding **Claim 12**, Hollenbeck does not explicitly disclose that the door (31) is hinged at one end to open and close the door. Hinged doors are notoriously well-known in the vehicle art, and it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a hinged door as an engineering expedient.

20. Regarding **Claim 16**, Hollenbeck teaches the at least one door (31) is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin (Figure 1 shows the door is approximately at the midpoint).
21. Regarding **Claim 20**, Hollenbeck teaches the vehicle further comprises a sleeper (33) within the cabin (see Figure 2).
22. Regarding **Claim 21**, Hollenbeck teaches the at least one door (31) opens into the sleeper of the cabin (see paragraph [0012]).
23. Regarding **Claim 22**, Hollenbeck teaches of a bunk (33) and microwave [paragraph 0016], but Hollenbeck does not explicitly disclose a cooling appliance with a volume of 15 cubic feet. However, it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a cooling device, such as a refrigerator/freezer, with a volume of 15 cubic feet. One would be motivated to provide a cooling device to allow an operator of semi-truck to store food.
24. Regarding **Claim 23**, Hollenbeck teaches the cabin comprises a driver's seat with access (29) but Hollenbeck does not explicitly teach of a passenger's seat. However it would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a passenger's seat to provide the advantage of allowing the semi-truck to transport a passenger.
25. Regarding **Claim 24**, Hollenbeck does not state if the opening (29) into the cabin (27) comprises a clearance that is at least six feet five inches in height. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a clearance of six feet five inches to provide room for an operator to stand up fully in cabin.

26. Regarding **Claim 25**, Hollenbeck teaches an entry (29) into the cabin (27) of the vehicle provides full access to the at least one seat and the sleeper simultaneously (see Figure 2 and paragraph [0012]).

27. **Claims 9-11 and 15 is/are rejected under 35 U.S.C. 103 as being unpatentable over Hollenbeck in view of Bianco and Engelbrecht et al., as disclosed above, and in further view of U.S. Patent No. 6,904,717 issued to Clark et al.**

28. Hollenbeck as modified disclose the claimed invention except for disclosing a door slide with an upper track, mid-track, and lower track *in re claim 9*, if the door moves outward *in re claim 10*, and *in re claim 11* if an activation signal turns on a drive motor to open and close the door.

29. Motorized doors with tracks are known in the art. Clark et al. teaches that it is known to provide a door with an upper track (10), mid-track (22), and lower track (12) controlled by an activation signal (402).

30. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide the tracked door structure, as taught by Clark et al., for the semi-taught by Hollenbeck. One would be motivated to provide the tracked door structure to allow an operator to open and close in a tight spaces, where the door may not be able to swing open, and to provide structure for opening and closing the door with a motor.

31. Regarding Claim 15, Hollenbeck as modified disclose the claimed invention except for teaching of a load sensor to keep the door from closing.

32. Clark et al. teaches of an obstacle detection (504) that detects force on the door (see Col 23, line 48-Col. 24, line 48).

33. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide an obstacle detection step, as taught by Clark et al., in order to provide the advantage of opening the door if there is an obstacle to prevent damage to the door.

34. **Claims 26 and 27 is/are rejected under 35 U.S.C. 103 as being unpatentable over Hollenbeck in view of Bianco and Engelbrecht et al., as disclosed above, and in further view of U.S. Patent No. 7,637,557 issued to Regnell et al.**

35. Hollenbeck disclose the claimed invention including showing a step (located near element 29 in Figure 1) but Hollenbeck does not show two steps and at least two handholds.

36. Regnell et al. teaches of two steps (12) and two handholds (14) for entering a semi-truck.

37. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide two steps and handholds, as taught by Regnell et al., for the semi-taught by Hollenbeck. One would be motivated to provide two steps and handholds to aid user in enter and exiting the semi-truck.

38. **Claim 59 is/are rejected under 35 U.S.C. 103 as being unpatentable over U.S. Patent No. 9,108,688 issued to Stutz in view of U.S. Patent Publication No. 2011/0114398 issued to Bianco.**

39. Stutz teaches in Figures 1-10 and respective portions of the specification of a semi-truck vehicle (1) comprising:

a body;
a cabin (7) located within the body of the vehicle, wherein the cabin (7) comprises an interior that is configured to accommodate at least one person (see Figure 3);
a first seat (27) and a second seat (29) located in the interior (see Figure 3) of the cabin (7);

an entryway provided between the first seat (27) and the second seat (29), wherein the entryway comprises a vertical height extending from a floor of the cabin to at least a top of the first seat (27) or the second seat (29), wherein the entryway provides access to either of the first seat (27) or the second seat (29) (see Figure 3 where an entryway between the first (27) and second (29) seats is shown at the top of the stairs (26)).

40. Stutz does not explicitly show a door for allowing a user to enter and exit the cabin, however the semi-truck vehicle inherently has a door to allow a user to enter the cabin in order to operate the vehicle.

41. Stutz discloses the claimed invention except for teaching of an electric drive train.

42. Bianco, however, teaches that it is known to provide a hybrid drive for a semi-truck vehicle, where the hybrid drive includes an electric drive train (the electric motor 20 connected to the drive train components as shown in the figures form an electric drive train that is able to drive the semi-truck).

43. It would have been obvious to one having ordinary skill in the art at the time the invention was filed to provide a hybrid vehicle arrangement with an electric drive train, as taught by Bianco, for the semi-truck taught by Hollenbeck. One would be motivated to provide an electric drive train in order to provide the advantage of operating under electric power which would be advantageous to reduce vehicle emissions in urban environments and to improve fuel efficiency.

Response to Arguments

44. Applicant's arguments filed 26 January 2018 have been fully considered but they are not persuasive.

45. Regarding Applicant's arguments, beginning page 29 of the response, that "Because a driver cannot access the driver's seat via the sleeper portion in Hollenbeck, it would not be obvious to eliminate the driver's door."

46. The examiner respectfully disagrees. Hollenbeck disclose that a passage (29) may be provided to between the driver's portion (25) and the sleeper cab (27) (see paragraph [0012]). This passage allow access to the driver's seat from the sleep portion, which would allow a driver to access the driver's seat with only single door (31). As disclosed above, providing a single door would be advantage for at least the following reasons: to reduce manufacturing costs, to increase safety of the vehicle in the event of a crash by providing a more rigid cab, and to also increase the streamlining (by removing the door seams) which would increase the efficiency of the vehicle.

47. Further, Engelbrecht et al. is cited to teach of a vehicle where only a single door (37) is shown (Figure 3) for accessing the cab (see also paragraph [0034]) of the vehicle, further where the door (37) is located at a backside of a driver's seat.

48. Regarding Applicant's arguments, beginning page 12, that Hollenbeck fails to disclose an electric drive train.

49. As disclosed above, Bianco teaches that it is known to provide a hybrid drive for a semi-truck vehicle, where the hybrid drive includes an electric drive train (the electric motor 20 connected to the drive train components as shown in the figures form an electric drive train that is able to drive the semi-truck).

50. Providing an electric drive train would be advantage for at least the following reasons: in order to provide the advantage of operating under electric power which would be advantageous to reduce vehicle emissions in urban environments.

51. Regarding Applicant's arguments, beginning page 13, that the combination of elements constitute novel improvements to the art of the semi-truck vehicle, it noted that the features upon which applicant relies (i.e., the contribution of a more spacious cabin, larger appliances, a greater view) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

52. Regarding Applicant's arguments with respect to Claim 9, the door 31 is capable of incorporating sliding structure to open and close parallel with the vehicle body where space may not prevent a hinged door to swing open fully.

53. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

54. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRIAN L SWENSON whose telephone number is (571)270-5572. The examiner can normally be reached on Monday - Friday (9-5).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allen Shriver can be reached on (303) 297-4337. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BRIAN SWENSON
Primary Examiner
Art Unit 3618

/BRIAN L SWENSON/
Primary Examiner, Art Unit 3618

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0		
Practitioner Docket No.: BGT-0012.NP	Application No.: 15/396,209	Filing Date: 2016-12-30
First Named Inventor: Trevor R. Milton	Title: SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
<p>APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.</p> <ol style="list-style-type: none"> 1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (<i>e.g.</i>, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c). 2. The above-identified application contains an outstanding final rejection. 3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect. 4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection. 5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response. 6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web). 7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, <i>e.g.</i>, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.] 8. By filing this certification and request, applicant acknowledges the following: <ul style="list-style-type: none"> • Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0. • The examiner will verify that the AFCP 2.0 submission is compliant, <i>i.e.</i>, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions: <ul style="list-style-type: none"> ◦ The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, <i>e.g.</i>, by mailing an advisory action. ◦ If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview. <ul style="list-style-type: none"> ▪ The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate. ▪ If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116. 		
Signature /Terrence J. Edwards/	Date 2018-05-21	
Name (Print/Typed) Terrence J. Edwards	Practitioner Registration No. 50254	
<p><i>Note:</i> This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.</p>		
<input checked="" type="checkbox"/> * Total of 1 forms are submitted.		

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	32683516
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	21-MAY-2018
Filing Date:	30-DEC-2016
Time Stamp:	19:13:10
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Arguments/Remarks Made in an Amendment	Response_FOA_BGT0012NP.pdf	110467 04ec0e1640fed3caee4b675f98f1ac8c1862 90d9	no	20

Warnings:

Information:					
2	After Final Consideration Program Request	AFCP20_Request_BGT0012NP.pdf	226444 7354bdfb6b7028ed3a0d33b36b532b2317 1dfe57	no	2
Warnings:					
Information:					
Total Files Size (in bytes):		336911			
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p>New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p>National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p>New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS:	TREVOR R. MILTON, et al.	RESPONSE WITH AMENDMENT TO MARCH 21, 2018 OFFICE ACTION
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Brian L. Swenson	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

To The Commissioner For Patents:

Responsive to the Office Action dated March 21, 2018, Applicant presents the following supplemental amendments and remarks. Applicant requests reconsideration of the above-captioned application in view of the following amendments and remarks.

Amendments to the claims begin on page 2 of this Response.

Remarks begin on page 14 of this Response.

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In the Claims:

The following listing of patent claims replaces any previous listing of the patent claims.

Any amendments to the patent claims are made without prejudice to any future submissions of the original claims.

CLAIMS

1. (Currently Amended) A semi-truck vehicle comprising:
 - an electric drive train;
 - a body;
 - a cabin located within the body of the semi-truck vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;
 - a seat located in the interior of the cabin that is configured for seating a user; and
 - a door comprising a width extending a horizontal length of the door, wherein the door provides ingress and egress to the interior of the cabin of the semi-truck vehicle;
 - wherein the door is located on the body such that a front side of the door is adjacent to a backside of a front wheel well and the width of the door is disposed between the front side of the door and a backside of the door, the front side of the door being positioned behind the seat with respect to the body, such that a majority of the width of the door is located at a backside of the seat when the door is in a closed position, such that the door opens to provide ingress and egress into the cabin from a backside of the seat; and
 - wherein the door is the foremost door providing ingress or egress into the interior of the cabin.

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2. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle is an electric vehicle comprising a battery pack that is coupled to an electric drive train.

3. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.

4. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle comprises only a single door.

5. (Previously Presented) The semi-truck vehicle of claim 4, wherein the single door is located on a left side when the user is seated in the seat of the semi-truck vehicle.

6. (Previously Presented) The semi-truck vehicle of claim 4, wherein the single door is located on a right side when the user is seated in the seat of the semi-truck vehicle.

7. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door of the semi-truck vehicle comprises a first door and a second door.

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8. (Previously Presented) The semi-truck vehicle of claim 7, wherein the first door is located on a left side when the user is seated in the seat of the semi-truck vehicle and the second door is located on a right side when the user is seated in the seat of the semi-truck vehicle.

9. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the semi-truck vehicle to open and close the door.

10. (Previously Presented) The semi-truck vehicle of claim 9, wherein the door moves outward with respect to the body and backward with respect to the seat as the door is moved to an open position.

11. (Previously Presented) The semi-truck vehicle of claim 10, wherein an activation signal turns on a drive motor to pull the door open and closed.

12. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door is hinged at one end and attached to the body of the semi-truck vehicle to open and close the door.

13. (Canceled)

14. (Canceled)

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15. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door comprises a peak load sensor configured to sense a threshold, such that when a load on the door is higher than the threshold a control unit reverses the direction of the door and keeps the door from closing.

16. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door is located approximately at a midpoint of the body of the semi-truck vehicle to provide ingress and egress into the cabin.

17. (Cancelled).

18. (Previously Presented) The semi-truck vehicle of claim 1, wherein the vehicle is an electric driven class 7 semi-truck.

19. (Previously Presented) The semi-truck vehicle of claim 1, wherein the vehicle is an electric driven class 8 semi-truck.

20. (Previously Presented) The semi-truck vehicle of claim 1, wherein the vehicle further comprises a sleeper within the cabin.

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21. (Previously Presented) The semi-truck vehicle of claim 20, wherein the door opens into the sleeper of the cabin.
22. (Previously Presented) The semi-truck vehicle of claim 20, wherein the sleeper comprises a bunk bed, a cooling appliance having a volume that is at least 15 cubic feet, and a microwave oven.
23. (Previously Presented) The semi-truck vehicle of claim 1, wherein the cabin comprises a first seat and a second seat, and wherein access to either of the first seat or the second seat is provided between the second seat and the first seat.
24. (Previously Presented) The semi-truck vehicle of claim 1, wherein an opening into the cabin comprises a clearance that is at least six feet five inches in height.
25. (Previously Presented) The semi-truck vehicle of claim 20, wherein entry into the cabin of the semi-truck vehicle provides full access to the seat and the sleeper simultaneously.
26. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

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27. (Previously Presented) The semi-truck vehicle of claim 26, wherein there are two steps and two handholds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

28. (Withdrawn) A vehicle comprising:

a body comprising a front end and a rear end;
a plurality of front wheels located proximally with respect to the body and a plurality of rear wheels located distally with respect to the body, wherein the front wheels comprise a first rear most location that is a first distance from the front end of the body and a second front most location that is a second distance from the front end of the body, wherein the first distance is greater than the second distance;

a cabin located within the body, wherein the cabin comprises an interior with at least one seat located in the interior that is configured for seating at least one person;

wherein a majority of the at least one seat is located within the first distance of the front wheels.

29. (Withdrawn) The vehicle of claim 28, wherein the body of the vehicle comprises a plurality of front wheel wells that correspond to the plurality of front wheels, wherein the front wheel wells comprise a front most portion and a rear most portion with a horizontal distance therebetween, wherein the entirety of the at least one seat is located within the horizontal distance of the front wheel wells.

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30. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin, wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat.

31. (Withdrawn) The vehicle of claim 30, wherein the body of the vehicle comprises an opening having a width and a height that corresponds with the at least one door, wherein there is no seat inside the cabin that obstructs the width of the opening.

32. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric vehicle comprising a plurality of electric motors and a plurality of gear trains that each correspond with each of the plurality of electric motors.

33. (Withdrawn) The vehicle of claim 28, wherein the vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.

34. (Withdrawn) The vehicle of claim 28, further comprising a single door that provides ingress and egress to the interior of the cabin of the vehicle.

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35. (Withdrawn) The vehicle of claim 34, wherein the single door is located on a driver's side of the vehicle.

36. (Cancelled)

37. (Withdrawn) The vehicle of claim 28, further comprising a first door and a second door that each provide ingress and egress to the interior of the cabin of the vehicle.

38. (Withdrawn) The vehicle of claim 37, wherein at least one of the first door or the second door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

39. (Withdrawn) The vehicle of claim 38, wherein the at least one of the first door or the second door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.

40. (Withdrawn) The vehicle of claim 37, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

41. (Withdrawn) The vehicle of claim 38, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.

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42. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.
43. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.
44. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein there is no additional door that is located in front of the at least one door providing ingress or egress into the interior of the cabin.
45. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door comprises a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.

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46. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.

47. (Withdrawn) The vehicle of claim 28, wherein the vehicle is a semi-truck.

48. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric driven class 7 semi-truck.

49. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric driven class 8 semi-truck.

50. (Withdrawn) The vehicle of claim 28, wherein the vehicle further comprises a sleeper within the cabin.

51. (Withdrawn) The vehicle of claim 50, wherein the sleeper comprises a bunk bed, a refrigerator having a volume that is at least 15 cubic feet, a table, and a microwave oven.

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52. (Withdrawn) The vehicle of claim 50, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.

53. (Withdrawn) The vehicle of claim 28, wherein an opening into the cabin comprises a height that is at least six feet five inches.

54. (Withdrawn) The vehicle of claim 28, wherein the cabin comprises a driver's seat and a passenger's seat, wherein access to either of the driver's seat or the passenger's seat is provided between the passenger's seat and the driver's seat.

55. (Withdrawn) The vehicle of claim 28, wherein the vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

56. (Withdrawn) The vehicle of claim 28, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

57. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle is a hybrid vehicle comprising electrical and combustion components.

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58. (Withdrawn) The vehicle of claim 28, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

59. (Currently Amended) A semi-truck vehicle comprising:

- an electric drive train;
- a body;
- a cabin located within the body of the vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;
- a first seat and a second seat located in the interior of the cabin;
- a door that provides ingress and egress to the interior of the cabin, the door being located on the body such that a front side of the door is adjacent to a backside of a front wheel well and located behind the first and second seat; and
- an entryway provided between the first seat and the second seat, wherein the entryway comprises a vertical height extending from a floor of the cabin to at least a top of the first seat or the second seat;

wherein the entryway provides access to either of the first seat or the second seat.

REMARKS

In the Office Action, the Patent Office: 1) rejected claims 13 and 14 under 35 U.S.C. § 112 as allegedly being of improper dependent form; 2) rejected claims 1-8, 12-14, 15, 18-25, and 57 under 35 U.S.C. § 103 as allegedly unpatentable in view of U.S. Patent Publication 2008/0191515 (“Hollenbeck”) in view of U.S. Patent Publication No. 2011/0114398 (“Bianco”) and U.S. Patent Publication No. 2011/0121606 (“Engelbrecht”); 3) rejected claims 9-11 and 15 under 35 U.S.C. § 103 as allegedly unpatentable over Hollenbeck, Bianco, and Engelbrecht in view of U.S. Patent No. 6,904,717 (“Clark”); 4) rejected claims 26 and 27 under 35 U.S.C. § 103 as allegedly unpatentable over Hollenbeck, Bianco, and Engelbrecht in view of U.S. Patent No. 7,637,557 (“Regnell”); and 5) rejected claim 59 under 35 U.S.C. § 103 as allegedly unpatentable over U.S. Patent No. 9,108,688 (“Stutz”) in view of Bianco.

Claims 1-12, 15, 16, 18-27, 57, and 59 are pending. Claims 13, 14, 17, and 36 have been canceled without prejudice or disclaimer. Claims 28-35, 37-56, and 58 are currently withdrawn. Various claims have been amended in this reply. Any amendments to the patent claims are made without prejudice to any future submission of the original claims in another application. No new matter has been added to the claims.

Every ground of rejection has been addressed by this Response and Applicant respectfully requests that the amendments and remarks presented in this Response be entered and the claims be found allowable. Applicant expresses appreciation for the guidance given by the Examiner in the March 21, 2018 Office Action.

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- 14 -

I. AFCP 2.0 REQUEST

Applicant respectfully requests and opportunity to discuss the above amendments and the cited references during an AFCP 2.0 Interview. Formal AFCP 2.0 request documents are submitted herewith

II. ISSUES RAISED UNDER 35 U.S.C. §112 ARE TREATED.

Claims 13 and 14 are rejected as being written in an improper dependent form. While Applicant does not necessarily agree with the propriety of the rejection, claims 13 and 14 have been canceled. Thus, the rejection of claims 13 and 14 is moot.

III. ISSUES RAISED UNDER 35 U.S.C. §103(a) ARE TREATED.

Applicant respectfully traverses the rejections made in the Office Action and reserves the right to file the originally filed patent claims in another application. The amendments provided herein are to advance prosecution only and are not an admission that the claims as originally filed are not allowable as originally filed.

Counsel has carefully studied the references relied upon in the March 21, 2018 Office Action. Counsel respectfully submits that the references relied upon do not anticipate certain aspects of the claims or render aspects of the claims obvious. Applicant submits that the currently amended claims are allowable and a finding of the same is respectfully requested. Applicant provides the following arguments in support of patentability of the claims presented.

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The Office Action Fails To Make A *Prima Facie* Case That The Claims Are Rendered Obvious By The Cited Art:

Applicant respectfully traverses the rejections for at least the reason that the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. A. Under the guidelines in the MPEP, the Office Action must establish that the references teach or suggest each and every claim element or explain “why the difference(s) between the prior art and the claim invention would have been obvious.” The Office Action does neither.

On pages 3-4 of the Office Action, the Patent Office alleges that Hollenbeck teaches “at least one door (31) is located with respect to the body, such that a majority of the width of the door is located at a backside of the seat (compare the relative position of the door 31 in Figure 1 and the placement of the seat in Figure 2) when the door is closed, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat (see Figure 1 where the door is shown to be located behind where the seat is shown in Figure 2).”

Hollenbeck teaches a “truck with cab having [a] longitudinally oriented bunk” in which the “longitudinal axis extend[s] parallel to a longitudinal axis of the truck.” Hollenbeck, Title and Abstract. To that end, in Figure 1, Hollenbeck illustrates a door 31 which is disclosed to be “provided in a longitudinal wall of the sleeper cab 27 [and] may be provided instead of or in addition to the passage 29 between the driver’s portion 25 and the sleeper cab.” Hollenbeck, paragraph [0012].

Applicant respectfully submits, however, that Hollenbeck does not disclose or suggest that the “door” is “located on the body such that a *front side of the door is adjacent to a backside of a*

front wheel well and the width of the door is disposed between the front side of the door and a backside of the door, *the front side of the door being positioned behind the seat,*" as recited in claim 1 (emphasis added). As illustrated in Hollenbeck, door 31 is not "adjacent to a backside of a front wheel well." Accordingly, Hollenbeck fails to disclose or suggest this element of claim 1.

Neither Bianco nor Engelbrecht remedy the deficiencies of Hollenbeck identified above. For example, Bianco teaches a "battery power system for plug in hybrid tractor trailers" which apparently is silent as to a location for a "door" to a cab, failing to show said door explicitly in the Figures. Bianco, Title. Engelbrecht teaches a "recreational vehicle having [a] chassis with integral cap" which provides a door 37. However, as shown in at least Figure 3 and Figure 6 of Engelbrecht, door 37 is not located "adjacent to a front wheel well." Accordingly, Applicant respectfully submits that Bianco and Engelbrecht fail to disclose or suggest the elements of claim 1 whether taken individually or in combination with each other or Hollenbeck.

Because the Office Action fails to show that the references teach or suggest each and every claim element and fails to explain why the differences between the prior art and the claimed invention would have been obvious to a person of skill in the art, the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. The rejections are thus improper. Applicant respectfully requests that Examiner withdraw the rejections under 35 U.S.C. § 103.

Claims 2-12, 15, 16, 18-27, and 57 depend directly or indirectly from claim 1. Further, neither Clark nor Regnell remedy the deficiencies of claim 1 discussed above. Thus, Applicant respectfully submits that claims 2-12, 15, 16, 18-27, and 57 are not only allowable for the subject

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matter recited therein, but also at least due to their respective dependencies on claim 1. Claims 13 and 14 have been canceled. Thus, the rejection of claims 13 and 14 is moot.

With respect to independent claim 59, Applicant further submits that the Patent Office has not established a *prima facie* case of obviousness with respect to claim 59.

On page 10 of the Office Action, the Patent Office alleges that “Stutz does not explicitly show a door for allowing a user to enter and exit the cabin, however the semi-truck vehicle inherently has a door to allow a user to enter the cabin in order to operate the vehicle.” While Applicant does not necessarily agree with this argument, especially in view of the advent of autonomous vehicles, Applicant has amended claim 59 to recite “a door that provides ingress and egress to the interior of the cabin, the *door being located on the body such that a front side of the door is adjacent to a backside of a front wheel well and located behind the first and second seat*” (emphasis added).

Applicant submits that even if it is inherent that a vehicle has a door, which Applicant does not concede, there is no reason why one of ordinary skill in the art would be motivated, in view of the prior art, to locate a door “such that a front side of the door is adjacent to a backside of a front wheel well and located behind the first and second seat,” as recited in claim 59.

Bianco fails to remedy the deficiencies of Stutz. As noted above, it appears that Bianco fails to explicitly disclose a door at all in view of at least the figures of Bianco. Thus, Bianco cannot be said to disclose or suggest “a door that provides ingress and egress to the interior of the cabin, the *door being located on the body such that a front side of the door is adjacent to a backside*

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of a front wheel well and located behind the first and second seat,” as recited in claim 59 (emphasis added).

Because the Office Action fails to show that the references teach or suggest each and every claim element and fails to explain why the differences between the prior art and the claimed invention would have been obvious to a person of skill in the art, the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. The rejections are thus improper. Applicant respectfully requests that Examiner withdraw the rejections under 35 U.S.C. § 103.

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- 19 -

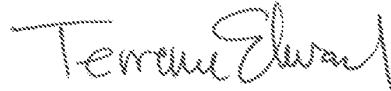
IV. CONCLUSION.

In view of the foregoing, Applicant believes that all the pending claims are allowable and a finding of the same is respectfully requested.

If any impediment to allowance of these claims remains after entry of this RESPONSE WITH AMENDMENT TO MARCH 21, 2018 OFFICE ACTION, and such impediment could be alleviated during a telephone interview, the Examiner is invited to initiate the same with the undersigned.

DATED this 21th day of May 2018.

Respectfully submitted,



Terrence J. Edwards
Attorney Registration No. 50,254

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- 20 -

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875		Application or Docket Number 15/396,209	Filing Date 12/30/2016	<input type="checkbox"/> To be Mailed
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ENTITY: LARGE SMALL MICRO**APPLICATION AS FILED - PART I**

	(Column 1)	(Column 2)		
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *		x \$40 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		x \$210 =	
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL

APPLICATION AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)			
AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	
05/21/2018	Total (37 CFR 1.16(i))	* 55	Minus ** 28	= 27	x \$50 =	1350
	Independent (37 CFR 1.16(h))	* 3	Minus *** 3	= 0	x \$230 =	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
					TOTAL ADD'L FEE	1350
AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus **	=	x \$ 0 =	
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x \$ 0 =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
					TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

LIE

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

Tara A Washington

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS

ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP	5158
112802	7590	06/19/2018	EXAMINER	
TechLaw Ventures, PLLC			SWENSON, BRIAN L	
3290 West Mayflower Way				
Lehi, UTAH 84043			ART UNIT	PAPER NUMBER
UNITED STATES OF AMERICA			3618	
			NOTIFICATION DATE	DELIVERY MODE
			06/19/2018	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docket@techlawventures.com
terrence.edwards@techlawventures.com

Advisory Action Before the Filing of an Appeal Brief	Application No. 15/396,209	Applicant(s) Milton et al.	
	Examiner BRIAN L SWENSON	Art Unit 3618	AIA Status Yes

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 21 May 2018 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
- a) The period for reply expires 3 months from the mailing date of the final rejection.
- b) The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
- c) A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires ____ months from the mailing date of the prior Advisory Action or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
- a) They raise new issues that would require further consideration and/or search (see NOTE below);
- b) They raise the issue of new matter (see NOTE below);
- c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- d) They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet (See 37 CFR 1.116 and 41.33(a)).

4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. Applicants reply has overcome the following rejection(s): _____

6. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. For purposes of appeal, the proposed amendment(s): (a) will not be entered, or (b) will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed on _____

9. The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

10. The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

11. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
- _____

13. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). _____

14. Other: _____

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____

Claim(s) objected to: _____

Claim(s) rejected: 1-16, 18-27 and 57.

Claim(s) withdrawn from consideration: _____

/BRIAN L SWENSON/
Primary Examiner, Art Unit 3618

Continuation of AMENDMENTS 3. d) NOTE- (See 37CFR 1.116 and 41.33(a)): the newly claimed limitations that the door is adjacent to a backside of a front wheel well, raise further issues that require further searching and consideration. See the attached interview summary for further details.

<i>Applicant-Initiated Interview Summary</i>	Application No. 15/396,209	Applicant(s) Milton et al.	
	Examiner BRIAN L SWENSON	Art Unit 3618	AIA Status Yes

All participants (applicant, applicants representative, PTO personnel):

(1) BRIAN L. SWENSON. (3) _____.
(2) Terrence Edwards. (4) _____.

Date of Interview: 13 June 2018.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
If Yes, brief description: _____.

Issues Discussed 101 112 102 103 Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1.

Identification of prior art discussed: U.S. 2008/0191515 (Hollenbeck).

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed the general nature of the case. The current AF final amendments are not found to place the case in condition for allowance. It was suggested that applicant clarify the claimed invention, where the invention is drawn to a semi-truck vehicle that includes a driver's seat located in the front of the vehicle, where an engine would be located in a typical semi-truck. In the instant invention the electric drive train is located on a lower side of the vehicle body. Further where the seat is located over the front wheels and the door is located adjacent the rear of the seat..

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

/BRIAN L SWENSON/ Primary Examiner, Art Unit 3618	
--	--

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiners responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicants correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
 - An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,-
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicants record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiners version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, Interview Record OK on the paper recording the substance of the interview along with the date and the examiners initials.

AFCP 2.0 Decision	Application No.	Applicant(s)	
	15/396,209	Milton et al.	
	Examiner	Art Unit	AIA Status
	BRIAN L SWENSON	3618	Yes

This is in response to the After Final Consideration Pilot request filed 21 May 2018.

- 1. Improper Request** – The AFCP 2.0 request is improper for the following reason(s) and the after final amendment submitted with the request will be treated under pre-pilot procedure.

- An AFCP 2.0 request form PTO/SB/434 (or equivalent document) was not submitted.
- A non-broadening amendment to at least one independent claim was not submitted.
- A proper AFCP 2.0 request was submitted in response to the most recent final rejection.
- Other: _____

2. Proper Request

- A. After final amendment submitted with the request will not be treated under AFCP 2.0.**

The after final amendment cannot be reviewed and a search conducted within the guidelines of the pilot program.

- The after final amendment will be treated under pre-pilot procedure.

- B. Updated search and/or completed additional consideration.**

The examiner performed an updated search and/or completed additional consideration of the after final amendment within the time authorized for the pilot program. The result(s) of the updated search and/or completed additional consideration are:

- 1. All of the rejections in the most recent final Office action are overcome and a Notice of Allowance is issued herewith.
- 2. The after final amendment would not overcome all of the rejections in the most recent final Office action
See attached interview summary for further details.
- 3. The after final amendment was reviewed, and it raises a new issue(s). See attached interview summary for further details.
- 4. The after final amendment raises new issues, but would overcome all of the rejections in the most recent final Office action. A decision on determining allowability could not be made within the guidelines of the pilot. See attached interview summary for further details, including any newly discovered prior art.
- 5. Other: _____

Examiner Note: Please attach an interview summary when necessary as described above.

TLV Docket No. BGT-0012.NP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS:	TREVOR R. MILTON, et al.	RESPONSE WITH AMENDMENT TO MARCH 21, 2018 OFFICE ACTION
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Brian L. Swenson	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

To The Commissioner For Patents:

Responsive to the Office Action dated March 21, 2018, Applicant presents the following supplemental amendments and remarks. Applicant requests reconsideration of the above-captioned application in view of the following amendments and remarks.

Amendments to the claims begin on page 2 of this Response.

Remarks begin on page 14 of this Response.

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(801) 854-7675

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL (Submitted Only via EFS-Web)

Application Number	15396209	Filing Date	2016-12-30	Docket Number (if applicable)	BGT-0012.NP	Art Unit	3618
First Named Inventor	Trevor R. Milton			Examiner Name	Brian L. Swenson		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, to any international application that does not comply with the requirements of 35 U.S.C. 371, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV.

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

Other _____

Enclosed

Amendment/Reply

Information Disclosure Statement (IDS)

Affidavit(s)/ Declaration(s)

Other _____

MISCELLANEOUS

Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to
Deposit Account No _____

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Patent Practitioner Signature

Applicant Signature

Signature of Registered U.S. Patent Practitioner			
Signature	Terrence J. Edwards/	Date (YYYY-MM-DD)	2018-06-21
Name	Terrence J. Edwards	Registration Number	50254

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS:	TREVOR R. MILTON, et al.	RESPONSE TO FINAL OFFICE ACTION WITH REQUEST FOR CONTINUED EXAMINATION TO MARCH 21, 2018 FINAL OFFICE ACTION
TITLE:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Brian L. Swenson	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

To The Commissioner For Patents:

Responsive to the Office Action dated March 21, 2018, Applicant presents the following supplemental amendments and remarks. Applicant requests reconsideration of the above-captioned application in view of the following amendments and remarks.

Amendments to the claims begin on page 2 of this Response.

Remarks begin on page 14 of this Response.

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In the Claims:

The following listing of patent claims replaces any previous listing of the patent claims.

Any amendments to the patent claims are made without prejudice to any future submissions of the original claims.

CLAIMS

1. (Currently Amended) A semi-truck vehicle comprising:
 - an electric drive train;
 - a body;
 - a cabin located within the body of the semi-truck vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;
 - a seat located in the interior of the cabin that is configured for seating a user; and
 - a door comprising a width extending a horizontal length of the door, wherein the door provides ingress and egress to the interior of the cabin of the semi-truck vehicle;
wherein the door is located on the body such that a frontmost side of the door is adjacent to a rearmost portion of a front wheel well and the width of the door is disposed between the frontmost side of the door and a rearmost side of the door, at least a portion of the door being positioned behind the seat and at least a portion of the seat is disposed to be forward of a line defining the rearmost portion of the front wheel well with respect to the body, such that a majority of the width of the door is located at a backside of the seat when the door is in a closed position, such that the door opens to provide ingress and egress into the cabin from a backside of the seat; and

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wherein the door is the foremost door providing ingress or egress into the interior of the cabin.

2. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle is an electric vehicle comprising a battery pack that is coupled to an electric drive train.
3. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.
4. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle comprises only a single door.
5. (Previously Presented) The semi-truck vehicle of claim 4, wherein the single door is located on a left side when the user is seated in the seat of the semi-truck vehicle.
6. (Previously Presented) The semi-truck vehicle of claim 4, wherein the single door is located on a right side when the user is seated in the seat of the semi-truck vehicle.
7. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door of the semi-truck vehicle comprises a first door and a second door.

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8. (Previously Presented) The semi-truck vehicle of claim 7, wherein the first door is located on a left side when the user is seated in the seat of the semi-truck vehicle and the second door is located on a right side when the user is seated in the seat of the semi-truck vehicle.

9. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door slides on an upper track, a mid-track, and a lower track located externally on the body of the semi-truck vehicle to open and close the door.

10. (Previously Presented) The semi-truck vehicle of claim 9, wherein the door moves outward with respect to the body and backward with respect to the seat as the door is moved to an open position.

11. (Previously Presented) The semi-truck vehicle of claim 10, wherein an activation signal turns on a drive motor to pull the door open and closed.

12. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door is hinged at one end and attached to the body of the semi-truck vehicle to open and close the door.

13. (Canceled)

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14. (Cancelled)
15. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door comprises a peak load sensor configured to sense a threshold, such that when a load on the door is higher than the threshold a control unit reverses the direction of the door and keeps the door from closing.
16. (Previously Presented) The semi-truck vehicle of claim 1, wherein the door is located approximately at a midpoint of the body of the semi-truck vehicle to provide ingress and egress into the cabin.
17. (Cancelled).
18. (Previously Presented) The semi-truck vehicle of claim 1, wherein the vehicle is an electric driven class 7 semi-truck.
19. (Previously Presented) The semi-truck vehicle of claim 1, wherein the vehicle is an electric driven class 8 semi-truck.
20. (Previously Presented) The semi-truck vehicle of claim 1, wherein the vehicle further comprises a sleeper within the cabin.

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21. (Previously Presented) The semi-truck vehicle of claim 20, wherein the door opens into the sleeper of the cabin.
22. (Previously Presented) The semi-truck vehicle of claim 20, wherein the sleeper comprises a bunk bed, a cooling appliance having a volume that is at least 15 cubic feet, and a microwave oven.
23. (Previously Presented) The semi-truck vehicle of claim 1, wherein the cabin comprises a first seat and a second seat, and wherein access to either of the first seat or the second seat is provided between the second seat and the first seat.
24. (Previously Presented) The semi-truck vehicle of claim 1, wherein an opening into the cabin comprises a clearance that is at least six feet five inches in height.
25. (Previously Presented) The semi-truck vehicle of claim 20, wherein entry into the cabin of the semi-truck vehicle provides full access to the seat and the sleeper simultaneously.
26. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

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27. (Previously Presented) The semi-truck vehicle of claim 26, wherein there are two steps and two handholds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

28. (Withdrawn) A vehicle comprising:

a body comprising a front end and a rear end;
a plurality of front wheels located proximally with respect to the body and a plurality of rear wheels located distally with respect to the body, wherein the front wheels comprise a first rear most location that is a first distance from the front end of the body and a second front most location that is a second distance from the front end of the body, wherein the first distance is greater than the second distance;

a cabin located within the body, wherein the cabin comprises an interior with at least one seat located in the interior that is configured for seating at least one person;
wherein a majority of the at least one seat is located within the first distance of the front wheels.

29. (Withdrawn) The vehicle of claim 28, wherein the body of the vehicle comprises a plurality of front wheel wells that correspond to the plurality of front wheels, wherein the front wheel wells comprise a front most portion and a rear most portion with a horizontal distance therebetween,

wherein the entirety of the at least one seat is located within the horizontal distance of the front wheel wells.

30. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin, wherein the at least one door is located with respect to the body, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat.

31. (Withdrawn) The vehicle of claim 30, wherein the body of the vehicle comprises an opening having a width and a height that corresponds with the at least one door, wherein there is no seat inside the cabin that obstructs the width of the opening.

32. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric vehicle comprising a plurality of electric motors and a plurality of gear trains that each correspond with each of the plurality of electric motors.

33. (Withdrawn) The vehicle of claim 28, wherein the vehicle comprises a combustion engine configured to generate power by using combustion energy of fuel.

34. (Withdrawn) The vehicle of claim 28, further comprising a single door that provides ingress and egress to the interior of the cabin of the vehicle.

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35. (Withdrawn) The vehicle of claim 34, wherein the single door is located on a driver's side of the vehicle.

36. (Cancelled)

37. (Withdrawn) The vehicle of claim 28, further comprising a first door and a second door that each provide ingress and egress to the interior of the cabin of the vehicle.

38. (Withdrawn) The vehicle of claim 37, wherein at least one of the first door or the second door slides on an upper track, a mid-track, and a lower track located externally on the body of the vehicle to open and close the at least one door.

39. (Withdrawn) The vehicle of claim 38, wherein the at least one of the first door or the second door moves outward with respect to the body and backward with respect to the at least one seat as the door is moved to an open position.

40. (Withdrawn) The vehicle of claim 37, wherein the first door is located on a driver's side of the vehicle and the second door is located on a passenger's side of the vehicle.

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41. (Withdrawn) The vehicle of claim 38, wherein an activation signal turns on a drive motor to pull the at least one door open and closed.
42. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is hinged at one end and attached to the body of the vehicle to open and close the at least one door.
43. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is the foremost door providing ingress or egress into the interior of the cabin.
44. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein there is no additional door that is located in front of the at least one door providing ingress or egress into the interior of the cabin.
45. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door comprises a peak load sensor configured to sense a threshold, such that when a load on the at least one door is higher than the threshold a control unit reverses the direction of the at least one door and keeps the at least one door from closing.

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46. (Withdrawn) The vehicle of claim 28, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein the at least one door is located approximately at a midpoint of the body of the vehicle to provide ingress and egress into the cabin.
47. (Withdrawn) The vehicle of claim 28, wherein the vehicle is a semi-truck.
48. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric driven class 7 semi-truck.
49. (Withdrawn) The vehicle of claim 28, wherein the vehicle is an electric driven class 8 semi-truck.
50. (Withdrawn) The vehicle of claim 28, wherein the vehicle further comprises a sleeper within the cabin.
51. (Withdrawn) The vehicle of claim 50, wherein the sleeper comprises a bunk bed, a refrigerator having a volume that is at least 15 cubic feet, a table, and a microwave oven.

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52. (Withdrawn) The vehicle of claim 50, further comprising at least one door that provides ingress and egress to the interior of the cabin of the vehicle and wherein entry into the cabin of the vehicle provides full access to the at least one seat and the sleeper simultaneously.

53. (Withdrawn) The vehicle of claim 28, wherein an opening into the cabin comprises a height that is at least six feet five inches.

54. (Withdrawn) The vehicle of claim 28, wherein the cabin comprises a driver's seat and a passenger's seat, wherein access to either of the driver's seat or the passenger's seat is provided between the passenger's seat and the driver's seat.

55. (Withdrawn) The vehicle of claim 28, wherein the vehicle further comprises at least one full-size step and at least one hand hold to provide at least two points of leverage and for access and entry into the interior of the cabin.

56. (Withdrawn) The vehicle of claim 28, wherein there are two steps and two hand holds that provide four points of leverage for entry into the interior of the cabin, such that a user enters into the cabin facing forward.

57. (Previously Presented) The semi-truck vehicle of claim 1, wherein the semi-truck vehicle is a hybrid vehicle comprising electrical and combustion components.

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58. (Withdrawn) The vehicle of claim 28, wherein the vehicle is a hybrid vehicle comprising electrical and combustion components.

59. (Currently Amended) A semi-truck vehicle comprising:

- an electric drive train;
- a body;
- a cabin located within the body of the vehicle, wherein the cabin comprises an interior that is configured to accommodate at least one person;
- a first seat and a second seat located in the interior of the cabin;
- a door that provides ingress and egress to the interior of the cabin, the door being located on the body such that a frontmost side of the door is adjacent to a rearmost portion of a front wheel well and at least a portion of the door being positioned behind the first seat, at least a portion of the first seat is disposed to be forward of a line defining the rearmost portion of the front wheel well; and
- an entryway provided between the first seat and the second seat, wherein the entryway comprises a vertical height extending from a floor of the cabin to at least a top of the first seat or the second seat;

wherein the entryway provides access to either of the first seat or the second seat.

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REMARKS

In the Office Action, the Patent Office: 1) rejected claims 13 and 14 under 35 U.S.C. § 112 as allegedly being of improper dependent form; 2) rejected claims 1-8, 12-14, 15, 18-25, and 57 under 35 U.S.C. § 103 as allegedly unpatentable in view of U.S. Patent Publication 2008/0191515 (“Hollenbeck”) in view of U.S. Patent Publication No. 2011/0114398 (“Bianco”) and U.S. Patent Publication No. 2011/0121606 (“Engelbrecht”); 3) rejected claims 9-11 and 15 under 35 U.S.C. § 103 as allegedly unpatentable over Hollenbeck, Bianco, and Engelbrecht in view of U.S. Patent No. 6,904,717 (“Clark”); 4) rejected claims 26 and 27 under 35 U.S.C. § 103 as allegedly unpatentable over Hollenbeck, Bianco, and Engelbrecht in view of U.S. Patent No. 7,637,557 (“Regnell”); and 5) rejected claim 59 under 35 U.S.C. § 103 as allegedly unpatentable over U.S. Patent No. 9,108,688 (“Stutz”) in view of Bianco.

Claims 1-12, 15, 16, 18-27, 57, and 59 are pending. Claims 13, 14, 17, and 36 have been canceled without prejudice or disclaimer. Claims 28-35, 37-56, and 58 are currently withdrawn. Various claims have been amended in this reply. Any amendments to the patent claims are made without prejudice to any future submission of the original claims in another application. No new matter has been added to the claims.

Every ground of rejection has been addressed by this Response and Applicant respectfully requests that the amendments and remarks presented in this Response be entered and the claims be found allowable. Applicant expresses appreciation for the guidance given by the Examiner in the March 21, 2018 Office Action.

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- 14 -

Interview Summary:

Applicant wishes to thank Examiner Swenson for the courtesy extended in conduction the interview that took place June 13, 2018. During the interview, the Examiner and Applicant's representative discussed claim amendments that would overcome the cited references. Examiner Swenson indicated that the provided amendments would overcome the rejections of Hollenbeck, Bianco, and Engelbrecht. Accordingly, the amendments discussed during the interview of June 13, 2018 have been included above. While no agreement was reached with respect to the allowability of the claims, Applicant respectfully submits that the claims are allowable.

I. ISSUES RAISED UNDER 35 U.S.C. §112 ARE TREATED.

Claims 13 and 14 are rejected as being written in an improper dependent form. While Applicant does not necessarily agree with the propriety of the rejection, claims 13 and 14 have been canceled. Thus, the rejection of claims 13 and 14 is moot.

II. ISSUES RAISED UNDER 35 U.S.C. §103(a) ARE TREATED.

Applicant respectfully traverses the rejections made in the Office Action and reserves the right to file the originally filed patent claims in another application. The amendments provided herein are to advance prosecution only and are not an admission that the claims as originally filed are not allowable as originally filed.

Counsel has carefully studied the references relied upon in the March 21, 2018 Office Action. Counsel respectfully submits that the references relied upon do not anticipate certain aspects of the claims or render aspects of the claims obvious. Applicant submits that the currently

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amended claims are allowable and a finding of the same is respectfully requested. Applicant provides the following arguments in support of patentability of the claims presented.

The Office Action Fails To Make A Prima Facie Case That The Claims Are Rendered Obvious By The Cited Art:

Applicant respectfully traverses the rejections for at least the reason that the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. Under the guidelines in the MPEP, the Office Action must establish that the references teach or suggest each and every claim element or explain “why the difference(s) between the prior art and the claim invention would have been obvious.” The Office Action does neither.

On pages 3-4 of the Office Action, the Patent Office alleges that Hollenbeck teaches “at least one door (31) is located with respect to the body, such that a majority of the width of the door is located at a backside of the seat (compare the relative position of the door 31 in Figure 1 and the placement of the seat in Figure 2) when the door is closed, such that the at least one door opens to provide ingress and egress into the cabin from a backside of the at least one seat (see Figure 1 where the door is shown to be located behind where the seat is shown in Figure 2).”

Hollenbeck teaches a “truck with cab having [a] longitudinally oriented bunk” in which the “longitudinal axis extend[s] parallel to a longitudinal axis of the truck.” Hollenbeck, Title and Abstract. To that end, in Figure 1, Hollenbeck illustrates a door 31 which is disclosed to be “provided in a longitudinal wall of the sleeper cab 27 [and] may be provided instead of or in addition to the passage 29 between the driver’s portion 25 and the sleeper cab.” Hollenbeck, paragraph [0012].

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Applicant respectfully submits, however, that Hollenbeck does not disclose or suggest that the “door” is “located on the body such that a *frontmost side of the door is adjacent to a rearmost portion of a front wheel well* and the width of the door is disposed between the frontmost side of the door and a rearmost side of the door, *at least a portion of the door being positioned behind the seat,*” as recited in claim 1 (emphasis added). As illustrated in Hollenbeck, door 31 is not “adjacent to the rearmost portion of a front wheel well.” Accordingly, Hollenbeck fails to disclose or suggest this element of claim 1.

Further, Applicant respectfully submits that Hollenbeck does not disclose or suggest that the seat, or even a portion thereof, located in the driver’s portion 25 of Hollenbeck is “*disposed to be forward of a line defining the rearmost portion of the front wheel well,*” as recited in claim 1 (emphasis added).

Neither Bianco nor Engelbrecht remedy the deficiencies of Hollenbeck identified above. For example, Bianco teaches a “battery power system for plug in hybrid tractor trailers” which is apparently silent as to a location for a “door” to a cab, failing to show a door explicitly in the figures. Bianco, Title. Further, Bianco fails to indicate the exact placement of a seat. Engelbrecht, on the other hand, teaches a “recreational vehicle having [a] chassis with integral cap” which provides a door 37. However, as shown in at least Figure 3 and Figure 6 of Engelbrecht, door 37 is not located “adjacent to a front wheel well.” Further, Englebrecht fails to indicate the exact placement of a seat. Accordingly, Applicant respectfully submits that Bianco and Engelbrecht fail to disclose or suggest the elements of claim 1 whether taken individually or in combination with each other or Hollenbeck.

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Because the Office Action fails to show that the references teach or suggest each and every claim element and fails to explain why the differences between the prior art and the claimed invention would have been obvious to a person of skill in the art, the Office Action fails to present a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. The rejections are thus improper. Applicant respectfully requests that Examiner withdraw the rejections under 35 U.S.C. § 103.

Claims 2-12, 15, 16, 18-27, and 57 depend directly or indirectly from claim 1. Further, neither Clark nor Regnell remedy the deficiencies of claim 1 discussed above. Thus, Applicant respectfully submits that claims 2-12, 15, 16, 18-27, and 57 are not only allowable for the subject matter recited therein, but also at least due to their respective dependencies on claim 1. Claims 13 and 14 have been canceled. Thus, the rejection of claims 13 and 14 is moot.

With respect to independent claim 59, Applicant further submits that the Patent Office has not established a *prima facie* case of obviousness with respect to claim 59.

On page 10 of the Office Action, the Patent Office alleges that “Stutz does not explicitly show a door for allowing a user to enter and exit the cabin, however the semi-truck vehicle inherently has a door to allow a user to enter the cabin in order to operate the vehicle.” While Applicant does not necessarily agree with this allegation, especially in view of the advent of autonomous vehicles, Applicant has amended claim 59 to recite “*a door that provides ingress and egress to the interior of the cabin, the door being located on the body such that a frontmost side of the door is adjacent to a rearmost portion of a front wheel well and at least a portion of the door being positioned behind the first seat*” (emphasis added).

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Applicant submits that even if it is inherent that a vehicle has a door, which Applicant does not concede, there is no reason why one of ordinary skill in the art would be motivated, in view of the prior art, to locate a door “such that a frontmost side of the door is adjacent to a rearmost portion of a front wheel well and at least a portion of the door being positioned behind the first seat,” as recited in claim 59.

Bianco fails to remedy the deficiencies of Stutz. As noted above, it appears that Bianco fails to explicitly disclose a door at all in view of at least the figures of Bianco. Thus, Bianco cannot be said to disclose or suggest “a door that provides ingress and egress to the interior of the cabin, the *door being located on the body such that a frontmost side of the door is adjacent to a rearmost portion of a front wheel well and at least a portion of the door being positioned behind the first seat,*” as recited in claim 59 (emphasis added).

Further, Applicant respectfully submits that Stutz does not disclose or suggest that the first seat 27 is “*disposed to be forward of a line defining the rearmost portion of the front wheel well,*” as recited in claim 59 (emphasis added). Bianco fails to remedy the deficiencies of Stutz because Bianco fails to indicate the exact placement of a seat, as mentioned previously. As a result, neither Stutz nor Bianco can be said to disclose that “at least a portion of the first seat is *disposed to be forward of a line defining the rearmost portion of the front wheel well,*” as recited in claim 59 (emphasis added).

Because the Office Action fails to show that the references teach or suggest each and every claim element and fails to explain why the differences between the prior art and the claimed invention would have been obvious to a person of skill in the art, the Office Action fails to present

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a *prima facie* case that the claims are anticipated or rendered obvious by the cited art. The rejections are thus improper. Applicant respectfully requests that Examiner withdraw the rejections under 35 U.S.C. § 103.

III. CONCLUSION.

In view of the foregoing, Applicant believes that all the pending claims are allowable and a finding of the same is respectfully requested.

If any impediment to allowance of these claims remains after entry of this RESPONSE WITH AMENDMENT TO MARCH 21, 2018 OFFICE ACTION, and such impediment could be alleviated during a telephone interview, the Examiner is invited to initiate the same with the undersigned.

DATED this 21th day of June 2018.

Respectfully submitted,



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- 20 -

Electronic Patent Application Fee Transmittal				
Application Number:	15396209			
Filing Date:	30-Dec-2016			
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW			
First Named Inventor/Applicant Name:	Trevor R. Milton			
Filer:	Terrence J. Edwards			
Attorney Docket Number:	BGT-0012.NP			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
RCE- 1ST REQUEST	2801	1	650	650
Total in USD (\$)				650

Electronic Acknowledgement Receipt	
EFS ID:	32970418
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	21-JUN-2018
Filing Date:	30-DEC-2016
Time Stamp:	18:35:20
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$650
RAM confirmation Number	062218INTEFSW18364201
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	RCE_BGT0012NP.pdf	1322793 395ad19d1348d2ecc2c655a5c24124fa93 73379	no	3
Warnings:					
Information:					
2	Applicant Arguments/Remarks Made in an Amendment	Response_to_OA_after_AFCP_ Interview.pdf	114141 00d705b38ffba9f802640f87981f464b6124 e3bd	no	20
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30609 6fb233d452cec80b682231f98bdc79b4711 a921f	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				1467543	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p>New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p>National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p>New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

112802 7590 07/25/2018
TechLaw Ventures, PLLC
3290 West Mayflower Way
Lehi, UTAH 84043
UNITED STATES OF AMERICA

EXAMINER	
SWENSON, BRIAN L	
ART UNIT	PAPER NUMBER
3618	

DATE MAILED: 07/25/2018

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP	5158

TITLE OF INVENTION: SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	10/25/2018

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

112802 7590 07/25/2018

TechLaw Ventures, PLLC
3290 West Mayflower Way
Lehi, UTAH 84043
UNITED STATES OF AMERICA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP	5158

TITLE OF INVENTION: SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	10/25/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
SWENSON, BRIAN L	3618	180-065600

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

Issue Fee

A check is enclosed.

Publication Fee (No small entity discount permitted)

Payment by credit card. Form PTO-2038 is attached.

Advance Order - # of Copies _____

The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

Applicant asserting small entity status. See 37 CFR 1.27

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

Applicant changing to regular undiscounted fee status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP	5158
112802	7590	07/25/2018	EXAMINER	
TechLaw Ventures, PLLC				SWENSON, BRIAN L
3290 West Mayflower Way				ART UNIT
Lehi, UTAH 84043				PAPER NUMBER
UNITED STATES OF AMERICA				3618

DATE MAILED: 07/25/2018

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b) (2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 15/396,209	Applicant(s) Milton et al.	
	Examiner BRIAN L SWENSON	Art Unit 3618	AIA Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 6/21/2018.
- A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed on _____.
- An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1-12,15-16,18-27,57 and 59. As a result of the allowed claim(s), you may be eligible to benefit from the Patent Prosecution Highway program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____. | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material _____. | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date. _____. | |

/BRIAN L SWENSON/
Primary Examiner, Art Unit 3618

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. In the Claims

3. Claims 28-56 and 58 Cancelled; (these claims are erroneously listed as "withdrawn"; these claims were cancelled in the Preliminary Amendment filed on 4/12/2017);

Allowable Subject Matter

4. Claims 1-12, 15-16, 18-27, 57 and 59 allowed.

5. The following is an examiner's statement of reasons for allowance: The primary reason for the allowance of the claims in this case is the inclusion of: a body for a semi-truck vehicle that includes electric drive train, where the foremost door for entry into the body of the vehicle is adjacent to a rear portion of the front wheel, where the seat for the user of the vehicle is located of the rear portion of the front wheel, in combination with the other elements recited, not found in the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRIAN L SWENSON whose telephone number is (571)270-5572. The examiner can normally be reached on Monday - Friday (9-5).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allen Shriver can be reached on (303) 297-4337. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BRIAN SWENSON
Primary Examiner
Art Unit 3618

/BRIAN L SWENSON/
Primary Examiner, Art Unit 3618

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
Examiner	Art Unit	
BRIAN L SWENSON	3618	

CPC - Searched*		
Symbol	Date	Examiner
B62D 33/0612	7/26/2017	bls
B60J 5/0497	7/26/2017	bls
B62D 33/06	7/26/2017	bls

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
forward and backward searched all cited references	7/26/2017	bls
PLUS search	7/26/2017	bls
EAST inventor search	7/26/2017	bls
B60k 6/20 (see text searching)	7/26/2017	bls
see text searching for full text searching strategy	7/26/2017	bls
search updated	03/16/2018	bls
search updated	07/17/2018	bls

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Search Notes	Application/Control No. 15/396,209	Applicant(s)/Patent Under Reexamination Milton et al.
	Examiner BRIAN L SWENSON	Art Unit 3618

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
see text searching	see text searching	07/17/2018	bls

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<i>Index of Claims</i>	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
	Examiner	Art Unit
	BRIAN L SWENSON	3618

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS							
CLAIM		DATE					
Final	Original	07/26/2017	03/14/2018	07/18/2018			
1	1	✓	✓	=			
2	2	✓	✓	=			
3	3	✓	✓	=			
4	4	✓	✓	=			
5	5	✓	✓	=			
6	6	✓	✓	=			
7	7	✓	✓	=			
8	8	✓	✓	=			
9	9	✓	✓	=			
10	10	✓	✓	=			
11	11	✓	✓	=			
12	12	✓	✓	=			
	13	✓	✓	-			
	14	✓	✓	-			
13	15	✓	✓	=			
14	16	✓	✓	=			
	17	✓	-	-			
15	18	✓	✓	=			
16	19	✓	✓	=			
17	20	✓	✓	=			
18	21	✓	✓	=			
19	22	✓	✓	=			
21	23	✓	✓	=			
22	24	✓	✓	=			
20	25	✓	✓	=			
23	26	✓	✓	=			
24	27	✓	✓	=			
	28	-	-	-			
	29	-	-	-			
	30	-	-	-			
	31	-	-	-			
	32	-	-	-			
	33	-	-	-			
	34	-	-	-			
	35	-	-	-			
	36	-	-	-			
	37	-	-	-			
	38	-	-	-			
	39	-	-	-			
	40	-	-	-			
	41	-	-	-			
	42	-	-	-			

<i>Index of Claims</i>	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
	Examiner	Art Unit
	BRIAN L SWENSON	3618

CLAIM		DATE							
Final	Original	07/26/2017	03/14/2018	07/18/2018					
	43	-	-	-					
	44	-	-	-					
	45	-	-	-					
	46	-	-	-					
	47	-	-	-					
	48	-	-	-					
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	50	-	-	-					
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	52	-	-	-					
	53	-	-	-					
	54	-	-	-					
	55	-	-	-					
	56	-	-	-					
25	57	✓	✓	=					
	58	-	✓	-					
26	59			=					

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
Examiner	Art Unit	
BRIAN L SWENSON	3618	

CPC					Type	Version
Symbol						
B62D	/	33	/	0612	F	2013-01-01
B60J	/	5	/	062	I	2013-01-01
B60N	/	3	/	10	I	2013-01-01
B60N	/	3	/	16	I	2013-01-01
B60N	/	3	/	001	I	2013-01-01
B60N	/	3	/	008	I	2013-01-01
B60K	/	6	/	26	I	2013-01-01
E05F	/	15	/	632	I	2015-01-15
E05F	/	15	/	70	I	2015-01-15
E05F	/	15	/	41	I	2015-01-15
E05F	/	15	/	60	I	2015-01-15
E05F	/	15	/	73	I	2015-01-15
B60J	/	5	/	0497	I	2013-01-01
B60K	/	6	/	20	I	2013-01-01
B60R	/	3	/	00	I	2013-01-01
E05D	/	15	/	0604	I	2013-01-01
Y10S	/	903	/	906	A	2013-01-01
Y10S	/	903	/	907	A	2013-01-01
B60K	/	6	/	28	A	2013-01-01
B60L	/	11	/	1874	A	2013-01-01
E05Y	/	2900	/	516	A	2013-01-01

CPC Combination Sets						
Symbol			Type	Set	Ranking	Version
	/					

NONE (Assistant Examiner)	(Date)	Total Claims Allowed:	
		26	
/BRIAN L SWENSON/ Primary Examiner, Art Unit 3618 (Primary Examiner)	18 July 2018 (Date)	O.G. Print Claim(s)	O.G. Print Figure
		1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20180717

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
Examiner	Art Unit	
BRIAN L SWENSON	3618	

INTERNATIONAL CLASSIFICATION		
CLAIMED		
B62D	/	33 / 06
NON-CLAIMED		
	/	/

US ORIGINAL CLASSIFICATION		
CLASS	SUBCLASS	
CROSS REFERENCES(S)		
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)	

NONE (Assistant Examiner)	(Date)	Total Claims Allowed:	
		26	
/BRIAN L SWENSON/ Primary Examiner, Art Unit 3618 (Primary Examiner)	18 July 2018 (Date)	O.G. Print Claim(s)	O.G. Print Figure
		1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20180717

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/396,209	Milton et al.
	Examiner	Art Unit
	BRIAN L SWENSON	3618

Claims renumbered in the same order as presented by applicant CPA T.D. R.1.47

CLAIMS

Final	Original																
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2	2	11	11	17	20		29		38		47		56				
3	3	12	12	18	21		30		39		48	25	57				
4	4		13	19	22		31		40		49		58				
5	5		14	21	23		32		41		50	26	59				
6	6	13	15	22	24		33		42		51						
7	7	14	16	20	25		34		43		52						
8	8		17	23	26		35		44		53						
9	9	15	18	24	27		36		45		54						

NONE (Assistant Examiner)	(Date)	Total Claims Allowed:	
		26	
/BRIAN L SWENSON/ Primary Examiner, Art Unit 3618 (Primary Examiner)	18 July 2018 (Date)	O.G. Print Claim(s)	O.G. Print Figure
		1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20180717

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L2	231	B62D33/0612.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L3	171	B60J5/0497.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L4	429	B60K6/20.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L5	36	L4 and cab	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L6	48	((("4625210") or ("5734316") or ("6169495") or ("5477217") or ("5959572") or ("6098048") or ("4768916") or ("4797049") or ("4833442") or ("5026153") or ("5231253") or ("5702223") or ("5808372") or ("5809480") or ("5878361") or ("5928294") or ("5964572") or ("6059899") or ("6059899") or ("6122571") or ("4284941") or ("4403208") or ("4469210") or ("4621856") or ("4775939") or ("5222906") or ("5254996") or ("5360287") or ("5415505") or ("5454672") or ("5469676") or ("5525026") or ("5540158") or ("5589827") or ("5628596") or ("5634339") or ("5711368") or ("5732785") or ("5775858") or ("5777451") or ("5777565") or ("5818356") or ("5838251") or ("5846045") or ("5854987") or ("5863026") or ("5864831") or ("5873250") or ("5878362")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L7	229	("2198407" "2728702" "2730772" "2815243" "3163434" "3586119" "3625560" "3711146" "3817545" "3879240" "3951222" "4027739" "4121684" "4124246" "4157021" "4201415" "4378856" "4491362" "4496188" "4511175" "4542933" "4611847" "4671560" "4705716" "4707020" "4739853" "4746160" "4750772" "4775179" "4836568" "4913485" "4917435" "4950522"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41

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L9	4	(US-20130069391-\$).did. or (US-5083834-\$ or US-4436177-\$ or US-4351554-\$).did.	US- PGPUB; USPAT	OR	OFF	2018/07/18 09:41
L10	28	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$).did.	US- PGPUB; USPAT	OR	OFF	2018/07/18 09:41
L11	10	L10 and seat	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L12	1	("20080191515").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L13	1	L12 and door	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
L14	32	("5025591").URPN.	USPAT	OR	OFF	2018/07/18 09:41
L15	1	("20080191515").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:41
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L20	2	"semi-truck" and "hand hold"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L21	167	"semi-truck" and "handle" and step	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L22	4	"semi-truck" and "hand rail"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L23	848	"semi" and handheld	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L24	353	"semi" and handheld and steps	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L25	40	"semi" and handheld and steps and truck	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L26	131	handheld and steps and truck	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L27	105	("semi-truck" or "semi-trailer" or "tractor trailer") and ("handrail" or "hand rail")	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L28	75	("semi-truck" or "semi-trailer" or "tractor trailer") and ("hand hold" or "handhold")	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L29	47	("4836568" "4925235" "4932716" "5308134" "D291872" "D308032" "D312805" "D320583" "D328273"	US-PGPUB; USPAT;	OR	OFF	2018/07/18 09:42

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L32	33	L31 not L30	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L33	1	("15396209").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L34	10663	"recreation vehicle" or "recreational vehicle"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L35	2692	L34 and door	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L36	931	L35 and seat	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L37	846	L35 and "RV"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L38	3	L35 and sprinter	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L39	1	("20110114398").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L40	1	("20110121606").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L41	2	"15396209"	US-	OR	ON	2018/07/18

EAST Search History

			PGPUB; USPAT; USOCR			09:42
L42	66	("0022025" "0534756" "0544547" "0593445" "0867409" "0931962" "1197035" "1417719" "2673353" "2968048" "4058860" "4141093" "4351554" "5031563" "5201379" "5560673" "5638560").PN. OR ("5984404").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L43	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L44	28851	"tractor trailer" or "tractor-trailer" or "semi-trailer" or "semi trailer" or "semi truck" or "semi-truck"	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L45	2507	L44 and hybrid	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L46	1907	L45 and motor	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L47	56	L46 and sleeper	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L48	274	L46 and door and seat	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L49	90	L46 and door and (passenger with seat)	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L50	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L51	18	("3371359" "4196483" "4497078" "4669139" "4713851" "4868939" "5822813" "6493886" "6505363" "6631526").PN. OR ("6718574").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42

EAST Search History

L52	239	L44 and (hybrid with electric with drive)	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L53	42	L52 and door and seat	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
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L56	3	(("20080191515") or ("20110114398") or ("20110121606")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
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L58	2	"15396209"	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L59	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L60	231	B62D33/0612.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L61	171	B60J5/0497.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L62	429	B60K6/20.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L63	36	L62 and cab	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L64	48	(("4625210") or ("5734316") or ("6169495") or ("5477217") or ("5959572") or ("6098048") or ("4768916") or ("4797049") or ("4833442") or ("5026153") or ("5231253") or ("5702223") or ("5808372") or ("5809480") or ("5878361") or ("5928294") or ("5964572") or ("6059899") or ("6059899") or ("6122571") or ("4284941") or ("4403208") or ("4469210") or ("4621856") or ("4775939") or ("5222906") or ("5254996") or ("5360287") or ("5415505") or ("5454672") or	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42

EAST Search History

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L68	28	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$).did.	US-PGPUB; USPAT	OR	OFF	2018/07/18 09:42
L69	10	L68 and seat	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L70	1	("20080191515").PN.	US-PGPUB; USPAT;	OR	OFF	2018/07/18 09:42

EAST Search History

			USOCR			
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L73	1	("20080191515").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
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L75	0	L74 and handhold	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L76	0	L74 and (hand with hold)	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L77	16	"semi-truck" and handhold	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L78	2	"semi-truck" and "hand hold"	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L79	167	"semi-truck" and "handle" and step	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L80	4	"semi-truck" and "hand rail"	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L81	848	"semi" and handhold	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L82	353	"semi" and handhold and steps	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L83	40	"semi" and handhold and steps and truck	US-	OR	OFF	2018/07/18

EAST Search History

			PGPUB; USPAT; USOCR			09:42
L84	131	handhold and steps and truck	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L85	105	("semi-truck" or "semi-trailer" or "tractor trailer") and ("handrail" or "hand rail")	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L86	75	("semi-truck" or "semi-trailer" or "tractor trailer") and ("hand hold" or "handhold")	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L87	47	("4836568" "4925235" "4932716" "5308134" "D291872" "D308032" "D312805" "D320583" "D328273" "D367027").PN. OR ("5788321").URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L88	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L89	36	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$ or US-20080129079-\$ or US-20100025954-\$ or US-20070108718-\$ or US-20100122871-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$ or US-8800205-\$ or US-6904717-\$ or US-7637557-\$ or US-5788321-\$).did.	US- PGPUB; USPAT	OR	OFF	2018/07/18 09:42
L90	33	L89 not L88	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L91	1	("15396209").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L92	10663	"recreation vehicle" or "recreational vehicle"	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L93	2692	L92 and door	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L94	931	L93 and seat	US- PGPUB; USPAT;	OR	OFF	2018/07/18 09:42

EAST Search History

			USOCR			
L95	846	L93 and "RV"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L96	3	L93 and sprinter	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L97	1	("20110114398").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L98	1	("20110121606").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L99	2	"15396209"	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L100	66	("0022025" "0534756" "0544547" "0593445" "0867409" "0931962" "1197035" "1417719" "2673353" "2968048" "4058860" "4141093" "4351554" "5031563" "5201379" "5560673" "5638560").PN. OR ("5984404").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L101	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L102	28851	"tractor trailer" or "tractor-trailer" or "semi-trailer" or "semi trailer" or "semi truck" or "semi-truck"	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L103	2507	L102 and hybrid	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L104	1907	L103 and motor	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L105	56	L104 and sleeper	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L106	274	L104 and door and seat	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42

EAST Search History

L107	90	L104 and door and (passenger with seat)	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L108	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L109	18	("3371359" "4196483" "4497078" "4669139" "4713851" "4868939" "5822813" "6493886" "6505363" "6631526").PN. OR ("6718574").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L110	239	L102 and (hybrid with electric with drive)	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L111	42	L110 and door and seat	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L112	1	"9108688"	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
L113	2	(("9108688") or ("5201379")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L114	3	(("20080191515") or ("20110114398") or ("20110121606")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 09:42
L115	2	"15396209"	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 09:42
S1	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 15:48
S2	222	B62D33/0612.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:08
S3	165	B60J5/0497.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:23
S4	340	B60K6/20.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:42

EAST Search History

S5	14	S4 and cab	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/25 16:42
S6	48	(("4625210") or ("5734316") or ("6169495") or ("5477217") or ("5959572") or ("6098048") or ("4768916") or ("4797049") or ("4833442") or ("5026153") or ("5231253") or ("5702223") or ("5808372") or ("5809480") or ("5878361") or ("5928294") or ("5964572") or ("6059899") or ("6059899") or ("6122571") or ("4284941") or ("4403208") or ("4469210") or ("4621856") or ("4775939") or ("5222906") or ("5254996") or ("5360287") or ("5415505") or ("5454672") or ("5469676") or ("5525026") or ("5540158") or ("5589827") or ("5628596") or ("5634339") or ("5711368") or ("5732785") or ("5775858") or ("5777451") or ("5777565") or ("5818356") or ("5838251") or ("5846045") or ("5854987") or ("5863026") or ("5864831") or ("5873250") or ("5878362")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 11:56
S7	222	("2198407" "2728702" "2730772" "2815243" "3163434" "3586119" "3625560" "3711146" "3817545" "3879240" "3951222" "4027739" "4121684" "4124246" "4157021" "4201415" "4378856" "4491362" "4496188" "4511175" "4542933" "4611847" "4671560" "4705716" "4707020" "4739853" "4746160" "4750772" "4775179" "4836568" "4913485" "4917435" "4950522" "4978163" "4978164" "5041318" "5042395" "5083834" "5139307" "5140913" "5150944" "5238267" "5282661" "5286081" "5310239" "5314230" "5362120" "5403063" "5449213" "5474352" "5527404" "5535841" "5538094" "5560673" "5584527" "5605371" "5664397" "5733631" "5735568" "5769486" "5772276" "5849122" "5860693" "5863091" "5915781" "5938274" "5997076").PN. OR ("2007/0200390" "2008/0191515" "2008/0231074" "2009/0224569" "2013/0069391" "4436177" "4991906" "5083834" "5310239" "6276748).URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 12:02
S8	4	(US-20130069391-\$).did. or (US-5083834-\$ or US-4436177-\$ or US-4351554-\$).did.	US-PGPUB; USPAT	OR	OFF	2017/07/26 12:41
S9	4	(US-20130069391-\$).did. or (US-5083834-\$ or US-4436177-\$ or US-4351554-\$).did.	US-PGPUB; USPAT	OR	OFF	2017/07/26 12:41
S10	28	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$).did. or (US-6213531-	US-PGPUB; USPAT	OR	OFF	2017/07/26 12:42

EAST Search History

		\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$).did.				
S11	10	S10 and seat	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 12:42
S12	1	("20080191515").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 12:48
S13	1	S12 and door	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 12:48
S14	32	("5025591").URPN.	USPAT	OR	OFF	2017/07/26 14:22
S15	1	("20080191515").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:09
S16	30	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$ or US-8800205-\$ or US-6904717-\$).did.	US-PGPUB; USPAT	OR	OFF	2017/07/26 15:26
S17	0	S16 and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:26
S18	0	S16 and (hand with hold)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:26
S19	14	"semi-truck" and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:26
S20	1	"semi-truck" and "hand hold"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:28
S21	108	"semi-truck" and "handle" and step	US-PGPUB;	OR	OFF	2017/07/26 15:28

EAST Search History

			USPAT; USOCR			
S22	4	"semi-truck" and "hand rail"	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:30
S23	790	"semi" and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
S24	321	"semi" and handhold and steps	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
S25	36	"semi" and handhold and steps and truck	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
S26	115	handhold and steps and truck	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:31
S27	100	("semi-truck" or "semi-trailer" or "tractor trailer") and ("handrail" or "hand rail")	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:32
S28	69	("semi-truck" or "semi-trailer" or "tractor trailer") and ("hand hold" or "handhold")	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:39
S29	46	("4836568" "4925235" "4932716" "5308134" "D291872" "D308032" "D312805" "D320583" "D328273" "D367027").PN. OR ("5788321").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 15:42
S30	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 16:00
S31	36	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$ or US-20080129079-\$ or US-20100025954-\$ or US-20070108718-\$ or US-20100122871-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$ or US-8800205-\$ or US-6904717-\$ or US-7637557-\$ or US-5788321-\$).did.	US-PGPUB; USPAT	OR	OFF	2017/07/26 16:00
S32	33	S31 not S30	US-PGPUB; USPAT; USOCR	OR	OFF	2017/07/26 16:00

EAST Search History

S33	1	("15396209").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2017/11/07 13:56
S34	10377	"recreation vehicle" or "recreational vehicle"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:48
S35	2607	S34 and door	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:49
S36	896	S35 and seat	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:49
S37	815	S35 and "RV"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:50
S38	3	S35 and sprinter	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 10:55
S39	1	("20110114398").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 11:33
S40	1	("20110121606").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/14 13:52
S41	2	"15396209"	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/14 14:30
S42	65	("0022025" "0534756" "0544547" "0593445" "0867409" "0931962" "1197035" "1417719" "2673353" "2968048" "4058860" "4141093" "4351554" "5031563" "5201379" "5560673" "5638560").PN. OR ("5984404").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:03
S43	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:49
S44	28042	"tractor trailer" or "tractor-trailer" or "semi-trailer" or "semi trailer" or "semi truck" or "semi-truck"	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:52
S45	2329	S44 and hybrid	US-PGPUB;	OR	ON	2018/03/14 15:53

EAST Search History

			USPAT; USOCR			
S46	1772	S45 and motor	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:53
S47	39	S46 and sleeper	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:53
S48	238	S46 and door and seat	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:55
S49	89	S46 and door and (passenger with seat)	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:55
S50	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:57
S51	18	("3371359" "4196483" "4497078" "4669139" "4713851" "4868939" "5822813" "6493886" "6505363" "6631526").PN. OR ("6718574").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 15:59
S52	217	S44 and (hybrid with electric with drive)	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 16:03
S53	25	S52 and door and seat	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/14 16:03
S54	1	"9108688"	US- PGPUB; USPAT; USOCR	OR	ON	2018/03/16 09:44
S55	2	(("9108688") or ("5201379")).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/03/16 09:44
S56	3	(("20080191515") or ("20110114398") or ("20110121606")).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/17 16:05
S57	0	("15396209").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:54
S58	2	"15396209"	US- PGPUB;	OR	ON	2018/07/18 07:55

EAST Search History

				USPAT; USOCR			
S59	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56	
S60	231	B62D33/0612.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56	
S61	171	B60J5/0497.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56	
S62	429	B60K6/20.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56	
S63	36	S62 and cab	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56	
S64	48	((("4625210") or ("5734316") or ("6169495") or ("5477217") or ("5959572") or ("6098048") or ("4768916") or ("4797049") or ("4833442") or ("5026153") or ("5231253") or ("5702223") or ("5808372") or ("5809480") or ("5878361") or ("5928294") or ("5964572") or ("6059899") or ("6059899") or ("6122571") or ("4284941") or ("4403208") or ("4469210") or ("4621856") or ("4775939") or ("5222906") or ("5254996") or ("5360287") or ("5415505") or ("5454672") or ("5469676") or ("5525026") or ("5540158") or ("5589827") or ("5628596") or ("5634339") or ("5711368") or ("5732785") or ("5775858") or ("5777451") or ("5777565") or ("5818356") or ("5838251") or ("5846045") or ("5854987") or ("5863026") or ("5864831") or ("5873250") or ("5878362")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56	
S65	229	("2198407" "2728702" "2730772" "2815243" "3163434" "3586119" "3625560" "3711146" "3817545" "3879240" "3951222" "4027739" "4121684" "4124246" "4157021" "4201415" "4378856" "4491362" "4496188" "4511175" "4542933" "4611847" "4671560" "4705716" "4707020" "4739853" "4746160" "4750772" "4775179" "4836568" "4913485" "4917435" "4950522" "4978163" "4978164" "5041318" "5042395" "5083834" "5139307" "5140913" "5150944" "5238267" "5282661" "5286081" "5310239" "5314230" "5362120" "5403063" "5449213" "5474352" "5527404" "5535841" "5538094" "5560673" "5584527" "5605371" "5664397" "5733631" "5735568" "5769486"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56	

EAST Search History

		"5772276" "5849122" "5860693" "5863091" "5915781" "5938274" "5997076").PN. OR ("2007/0200390" "2008/0191515" "2008/0231074" "2009/0224569" "2013/0069391" "4436177" "4991906" "5083834" "5310239" "6276748").URPN.				
S66	4	(US-20130069391-\$).did. or (US-5083834-\$ or US-4436177-\$ or US-4351554-\$).did.	US-PGPUB; USPAT	OR	OFF	2018/07/18 07:56
S67	4	(US-20130069391-\$).did. or (US-5083834-\$ or US-4436177-\$ or US-4351554-\$).did.	US-PGPUB; USPAT	OR	OFF	2018/07/18 07:56
S68	28	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$).did.	US-PGPUB; USPAT	OR	OFF	2018/07/18 07:56
S69	10	S68 and seat	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S70	1	("20080191515").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S71	1	S70 and door	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S72	32	("5025591").URPN.	USPAT	OR	OFF	2018/07/18 07:56
S73	1	("20080191515").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S74	30	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$ or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$ or US-8800205-\$ or US-6904717-\$).did.	US-PGPUB; USPAT	OR	OFF	2018/07/18 07:56

EAST Search History

S75	0	S74 and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S76	0	S74 and (hand with hold)	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S77	16	"semi-truck" and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S78	2	"semi-truck" and "hand hold"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S79	167	"semi-truck" and "handle" and step	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S80	4	"semi-truck" and "hand rail"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S81	848	"semi" and handhold	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S82	353	"semi" and handhold and steps	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S83	40	"semi" and handhold and steps and truck	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S84	131	handhold and steps and truck	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S85	105	("semi-truck" or "semi-trailer" or "tractor trailer") and ("handrail" or "hand rail")	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S86	75	("semi-truck" or "semi-trailer" or "tractor trailer") and ("hand hold" or "handhold")	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S87	47	("4836568" "4925235" "4932716" "5308134" "D291872" "D308032" "D312805" "D320583" "D328273" "D367027").PN. OR ("5788321").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S88	7	("20090107050" "20110114398" "4301570" "4932716" "5025591" "6179312" "6213531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S89	36	(US-20110114398-\$ or US-20130069391-\$ or US-20090256392-\$ or US-20080191515-\$ or US-20070200390-\$ or US-20030141731-\$	US-PGPUB; USPAT	OR	OFF	2018/07/18 07:56

EAST Search History

		or US-20110030279-\$ or US-20090224569-\$ or US-20080231074-\$ or US-20080129079-\$ or US-20100025954-\$ or US-20070108718-\$ or US-20100122871-\$).did. or (US-6213531-\$ or US-4932716-\$ or US-9308948-\$ or US-6631526-\$ or US-6422626-\$ or US-6276748-\$ or US-5984404-\$ or US-5560673-\$ or US-5310239-\$ or US-5083834-\$ or US-4991906-\$ or US-4775179-\$ or US-4436177-\$ or US-4351554-\$ or US-7263754-\$ or US-7163258-\$ or US-6883860-\$ or US-6557230-\$ or US-5769486-\$ or US-8800205-\$ or US-6904717-\$ or US-7637557-\$ or US-5788321-\$).did.				
S90	33	S89 not S88	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S91	1	("15396209").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S92	10663	"recreation vehicle" or "recreational vehicle"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S93	2692	S92 and door	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S94	931	S93 and seat	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S95	846	S93 and "RV"	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S96	3	S93 and sprinter	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S97	1	("20110114398").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S98	1	("20110121606").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S99	2	"15396209"	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S100	66	("0022025" "0534756" "0544547" "0593445" "0867409" "0931962" "1197035" "1417719" "2673353" "2968048" "4058860" "4141093" "4351554" "5031563" "5201379"	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56

EAST Search History

		"5560673" "5638560").PN. OR ("5984404").URPN.				
S101	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S102	28851	"tractor trailer" or "tractor-trailer" or "semi-trailer" or "semi trailer" or "semi truck" or "semi-truck"	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S103	2507	S102 and hybrid	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S104	1907	S103 and motor	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S105	56	S104 and sleeper	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S106	274	S104 and door and seat	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S107	90	S104 and door and (passenger with seat)	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S108	27	("20060242762" "20070200392" "20080164724" "20080191515" "20090256392" "20110309656" "20120220176" "20140004761" "3567272" "3588168" "4201415" "5201379" "5984404" "6578905" "6644724" "6692051" "6718574" "7178180" "7210724" "7303226" "7325860" "7464962" "7600808" "7862106" "8986056").PN. OR ("9108688").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S109	18	("3371359" "4196483" "4497078" "4669139" "4713851" "4868939" "5822813" "6493886" "6505363" "6631526").PN. OR ("6718574").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S110	239	S102 and (hybrid with electric with drive)	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S111	42	S110 and door and seat	US-PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56

EAST Search History

S112	1	"9108688"	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56
S113	2	(("9108688") or ("5201379")).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S114	3	(("20080191515") or ("20110114398") or ("20110121606")).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2018/07/18 07:56
S115	2	"15396209"	US- PGPUB; USPAT; USOCR	OR	ON	2018/07/18 07:56

7/18/2018 10:20:19 AM

C:\Users\bswenson\Documents\EAST\Workspaces\15396209 door for semi.wsp



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BIB DATA SHEET

CONFIRMATION NO. 5158

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
15/396,209	12/30/2016 RULE	180	3618	BGT-0012.NP		
APPLICANTS Bluegentech LLC, Salt Lake City, UT;						
INVENTORS Trevor R. Milton, Salt Lake City, UT; Steve Jennes, Fullerton, CA; Markus Scholten, Irvine, CA;						
** CONTINUING DATA ***** This application is a CIP of 15/357,350 11/21/2016 which claims benefit of 62/391,745 05/09/2016 This application 15/396,209 12/30/2016 claims benefit of 62/273,256 12/30/2015 and claims benefit of 62/391,745 05/09/2016						
** FOREIGN APPLICATIONS *****						
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 01/11/2017						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged /BRIAN L SWENSON/ <small>Examiner's Signature</small>		<input type="checkbox"/> Met after Allowance <small>Initials</small>	STATE OR COUNTRY UT	SHEETS DRAWINGS 9	TOTAL CLAIMS 28	INDEPENDENT CLAIMS 1
ADDRESS TechLaw Ventures, PLLC 3290 West Mayflower Way Lehi, UT 84043 UNITED STATES						
TITLE SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW						
FILING FEE RECEIVED 1120	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

Practitioners associated with Customer Number:

112802

OR

Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

The address associated with Customer Number:

OR

Firm or individual name

Address

City

State

Zip

Country

Telephone

Email

Assignee name and address:

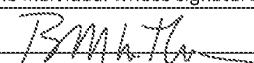
Nikola Corporation

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature



Date

Name

Britton Worthen

Telephone

Title

Chief Legal Officer

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Electronic Acknowledgement Receipt	
EFS ID:	33371684
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	03-AUG-2018
Filing Date:	30-DEC-2016
Time Stamp:	15:38:11
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Assignee showing of ownership per 37 CFR 3.73	Statement_of_Assignee_BGT0012NP.pdf 2656ecedff3f1a113449647996ccda2b0f621a1f	2630541	no	4

Warnings:

Information:					
2	Power of Attorney	POA.pdf	98224 6550e38c811c9c96660571fb28d392110ab 3e3dd	no	1
Warnings:					
Information:					
			Total Files Size (in bytes):	2728765	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p>New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p>National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p>New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Trevor R. Milton, et al.

Application No./Patent No.: 15/396,209 Filed/Issue Date: December 30, 2016

Titled: SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

Nikola Corporation, a corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose one of options 1, 2, 3 or 4 below):

1. The assignee of the entire right, title, and interest.

2. An assignee of less than the entire right, title, and interest (check applicable box):

The extent (by percentage) of its ownership interest is _____ %. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:
-

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose one of options A or B below):

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Terrence J. Edwards/

August 3, 2018

Signature

Date

Terrence J. Edwards

50254

Printed or Typed Name

Title or Registration Number

[Page 2 of 2]



State of Utah
Department of Commerce
Division of Corporations & Commercial Code
Articles/Statement of Conversion

This form cannot be hand written. Paid: \$37.00

Date: 07/10/2017
Receipt Number: R944386

7/10/17
6944386
#75

EXPEDITE

Non-Refundable Processing Fee: \$37.00

CONVERSION

1. The Articles/Statement of Conversion shall state:

Entity Number: 9633015-0160

RECEIVED

JUL 10 2017

Utah Div. of Corp. & Commr. Code

First: The name and entity type of the company immediately prior to the filing of the conversion:

Name: Bluegentech LLC

Entity Type (Corp, LLC, LP, Partnership, DBA, etc.): LLC

Second: The date and state where the company was first created and, if it has changed, its jurisdiction immediately prior to its conversion;

12/15/2015

Utah

Date of formation

State / Jurisdiction

Third: The name and entity type of the company as set forth in its converted entity filing:

Name: Nikola Corporation

Entity Type: Corporation

Delaware

State / Jurisdiction

Registered Agent address or mailing address for service of process if not qualified as a foreign entity in Utah

Fourth: The future effective date of the conversion to the new entity if it is not to be effective upon the filing of the conversion;

Fifth: Under penalties of perjury, I declare that the Articles/Statement of Conversion have been duly approved by the owners of the entity.

Name: Britton Worthen

Signature: Bmwtw

Title: Secretary and General Counsel

Date: July 10, 2017

2. Additional filing requirements: The non-refundable processing fee of \$37.00 payable to the State of Utah, and application for new entity must accompany this form. No additional fee for the new application.

Under GRAMA (63-3-201), all registration information maintained by the Division is classified as public record. For confidentiality purposes, you may use the business entity physical address rather than the residential or private address of any individual affiliated with the entity.

JUL 10 2017 PM 8:39

State of Utah
Department of Commerce
Division of Corporations and Commercial Code
I hereby certify that the foregoing has been filed
and approved on this 10, day of July, 2017.
In the office of this Division and hereby issued
This Certificate thereof.

Examiner: Kathy Berg

Date: 7-10-17



Kathy Berg
Kathy Berg
Division Director



This form must be type written or computer generated.
 State of Utah
 Department of Commerce
 Division of Corporations & Commercial Code
 Application for Authority to Conduct Affairs for a Foreign Corporation

RECEIVED

CONVERSION

JUL 10 2017

A certification of Good Standing/Existence from the State of Incorporation dated no earlier than ninety (90) days prior to the filing date. Utah Day of Corp. & Comm. Code attached to this application.

Non-Refundable Processing Fee:		<input checked="" type="checkbox"/> Profit \$70.00	<input type="checkbox"/> Nonprofit \$30.00
1. Exact Corporate Name:	Nikola Corporation		
2. A corporation of the state of:	Delaware	3. Date Incorporated:	July 10, 2017
4. The corporation's period of duration is:	(usually perpetual)		
5. The address of the corporation's principal office is:	1130 South 3800 West, Suite 200 Street Address Line 1 Street Address Line 2 City Salt Lake City State UT Zip 84104		
6. Who/What is the name of the Registered Agent (Individual or Business Entity or Commercial Registered Agent)? Britton Worthen			
The address must be listed if you have a non-commercial registered agent. What is a commercial registered agent?			
Address of the Registered Agent: 1130 South 3800 West, Suite 200			
Utah Street Address Required, PO Boxes can be listed after the Street Address			
City: Salt Lake City State: UT Zip: 84104			
7. If the name is not available in Utah the corporation shall use as it's name: (Please refer to (U.C.A. 16-10a-1306))			
8. The corporation commenced or intends to commence business in Utah on: July 10, 2017			
9. The names and addresses of the corporation's officers and directors are:			
Position:	Name	Address	City State Zip
President	Trevor Milton	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Vice-President			
Secretary	Britton Worthen	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Treasurer	Jonathan Spira	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Director	Trevor Milton	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Director	William Milton	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Director	De Witt Thompson V	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Other	Directors: Robert Fitzgerald and Lon Stalsberg, 1130 South 3800 West, Ste 200, Salt Lake City UT 84104		
10. The business purposes to be pursued in Utah are: Manufacturing, sales and other general business purposes			
Under penalties of perjury, I declare that this application for Certificate of Authority has been examined by me and is, to the best of my knowledge and belief, true, correct and complete.			
Authorized Signer Signature:		Title: Secretary and Chief Legal Officer	
Optional Inclusion of Ownership Information: This information is not required.			
Is this a female owned business? <input type="radio"/> Yes <input checked="" type="radio"/> No			
Is this a minority owned business? <input type="radio"/> Yes <input checked="" type="radio"/> No If yes, please specify (Select/Type the race of the owner here)			
Under GRAMA (63-2-201), all registration information maintained by the Division is classified as public record. For confidentiality purposes, you may use the business entity physical address rather than the residential or private address of any individual affiliated with the entity.			

Mailing/Faxing Information: www.corporations.utah.gov/contactus.html Division's Website: www.corporations.utah.gov

State of Utah
 Department of Commerce
 Division of Corporations and Commercial Code
 I hereby certify that the foregoing has been filed
 and approved on this 10 day of July 2017
 in this office of this Division and hereby issued
 This Certificate thereof.

JUL 10 '17 p8:40

01/14

Examiner



Kathy Berg
 Date 7-11-17
 Kathy Berg
 Division Director

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

112802 7590 07/25/2018
TechLaw Ventures, PLLC
3290 West Mayflower Way
Lehi, UTAH 84043
UNITED STATES OF AMERICA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP	5158

TITLE OF INVENTION: SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	10/25/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
SWENSON, BRIAN L	3618	180-065600

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Terrence J. Edwards

2 TechLaw Ventures, PLLC

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Nikola Corporation

Salt Lake City, UT

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

Issue Fee

A check is enclosed.

Publication Fee (No small entity discount permitted)

Payment by credit card. Form PTO-2038 is attached.

Advance Order - # of Copies _____

The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Terrence J. Edwards/

Date August 3, 2018

Typed or printed name Terrence J. Edwards

Registration No. 50254

TLV Docket No. BGT-0012.NP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	TREVOR R. Milton et al.]	SUPPLEMENTAL DECLARATION BY THE INVENTOR UNDER 37 C.F.R. § 1.67
TITLE:	SYSTEMS, METHODS AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Swenson, Brian L	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Madam:

I, **Trevor R. MILTON** (a resident of Salt Lake City, Utah), make this supplemental declaration to more fully comply with the provisions of 37 C.F.R. § 1.67, and to therefore acknowledge and confirm any amendments referenced below. By this supplemental declaration I seek to ensure the validity of any patent that might issue from the above-captioned application.

I, **Trevor R. MILTON** hereby declare that:

- The above-identified application was made or authorized to be made by me;
- I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application for which a patent is sought;

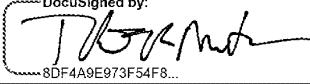
TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
(801) 805-3684

- My address is 1130 South 3800 West, Suite 200, Salt Lake City, Utah 84104;
- I have reviewed and understand the contents of the specification of the above-identified application, including the claims; that I have reviewed and understand the contents of the amendment filed on April 12, 2017, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on November 3, 2017, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on January 4, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on January 26, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on June 21, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of an examiner's amendment mailed July 25, 2018, including the claims amended therein; that the claims as amended accurately define at least a portion of the invention; and that I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations; and
- All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or

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Lehi, Utah 84043
(801) 805-3684

both, under 18 U.S.C. 1001, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

Signed this 26 day of July, 2018.

DocuSigned by:

8DF4A9E973F54F8...
Trevor R. MILTON
1130 South 3800 West, Suite 200
Salt Lake City, Utah 84104

TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
(801) 805-3684

- 3 -

TLV Docket No. BGT-0012.NP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	TREVOR R. Milton et al.]	SUPPLEMENTAL DECLARATION BY THE INVENTOR UNDER 37 C.F.R. § 1.67
TITLE:	SYSTEMS, METHODS AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Swenson, Brian L	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Madam:

I, Markus SCHOLTEN (a resident of Irvine, CA), make this supplemental declaration to more fully comply with the provisions of 37 C.F.R. § 1.67, and to therefore acknowledge and confirm any amendments referenced below. By this supplemental declaration I seek to ensure the validity of any patent that might issue from the above-captioned application.

I, Markus SCHOLTEN, hereby declare that:

- The above-identified application was made or authorized to be made by me;
- I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application for which a patent is sought;

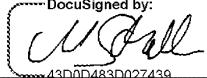
TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
(801) 805-3684

- My address is 183 Gitano, Irvine, CA 92618;
- I have reviewed and understand the contents of the specification of the above-identified application, including the claims; that I have reviewed and understand the contents of the amendment filed on April 12, 2017, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on November 3, 2017, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on January 4, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on January 26, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on June 21, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of an examiner's amendment mailed July 25, 2018, including the claims amended therein; that the claims as amended accurately define at least a portion of the invention; and that I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations; and
- All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or

TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
(801) 805-3684

both, under 18 U.S.C. 1001, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

Signed this 27 July day of _____, 2018.

DocuSigned by:


Markus SCHOLTEN
183 Gitano
Irvine, CA 92618

TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
(801) 805-3684

- 3 -

TLV Docket No. BGT-0012.NP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	TREVOR R. Milton et al.]	SUPPLEMENTAL DECLARATION BY THE INVENTOR UNDER 37 C.F.R. § 1.67
TITLE:	SYSTEMS, METHODS AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW	
SERIAL NO.	15/396,209	
FILED:	December 30, 2016	
EXAMINER:	Swenson, Brian L	
ART UNIT:	3618	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Madam:

I, Steve JENNES (a resident of Fullerton, CA), make this supplemental declaration to more fully comply with the provisions of 37 C.F.R. § 1.67, and to therefore acknowledge and confirm any amendments referenced below. By this supplemental declaration I seek to ensure the validity of any patent that might issue from the above-captioned application.

I, Steve JENNES, hereby declare that:

- The above-identified application was made or authorized to be made by me;
- I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application for which a patent is sought;

TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
(801) 805-3684

- My address is 1223 West Gage Avenue, Fullerton, CA 92833;
- I have reviewed and understand the contents of the specification of the above-identified application, including the claims; that I have reviewed and understand the contents of the amendment filed on April 12, 2017, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on November 3, 2017, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on January 4, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on January 26, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of the amendment filed on June 21, 2018, on my behalf, including the claims amended therein; that I have reviewed and understand the contents of an examiner's amendment mailed July 25, 2018, including the claims amended therein; that the claims as amended accurately define at least a portion of the invention; and that I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations; and
- All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or

TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
(801) 805-3684

both, under 18 U.S.C. 1001, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

Signed this 26 day of July, 2018.

DocuSigned by:



B3334C379E5B4BF...

Steve JENNES
1223 West Gage Avenue
Fullerton, CA 92811

TECHLAW VENTURES, PLLC
3290 West Mayflower Way
Lehi, Utah 84043
(801) 805-3684

- 3 -

Electronic Patent Application Fee Transmittal				
Application Number:	15396209			
Filing Date:	30-Dec-2016			
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW			
First Named Inventor/Applicant Name:	Trevor R. Milton			
Filer:	Terrence J. Edwards			
Attorney Docket Number:	BGT-0012.NP			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	2501	1	500	500

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
			Total in USD (\$)	500

Electronic Acknowledgement Receipt	
EFS ID:	33373099
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	03-AUG-2018
Filing Date:	30-DEC-2016
Time Stamp:	17:35:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$500
RAM confirmation Number	080618INTEFSW17364400
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	Issue_Fee_BGT0012NP.pdf	105072 0dfc4ddfe65da22b4f7800633e6d9217b7cc1ae9	no	1
Warnings:					
Information:					
2	Oath or Declaration filed	Supp_Declar_Trevor_signed.pdf	66448 cbf436217f5cf320bb4602090de285cb15f1ae1f	no	3
Warnings:					
Information:					
3	Oath or Declaration filed	Supp_Declar_Markus_Scholten_signed.pdf	61955 993337b5c4abbf89749280ea0934a3f7a3e3fc1e	no	3
Warnings:					
Information:					
4	Oath or Declaration filed	Supp_Declar_Steve_Jennes_signed.pdf	62747 41fd7cecb6073502e43fe5f6037e0db4620c8d41	no	3
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30288 64349b7afc5768f1d346f34588ce1fc4151bd086	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				326510	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP

CONFIRMATION NO. 5158

MISCELLANEOUS NOTICE



OC000000101531896

Date Mailed: 08/08/2018

A communication which cannot be delivered in electronic form has been mailed to the applicant.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP

CONFIRMATION NO. 5158

112802
 TechLaw Ventures, PLLC
 3290 West Mayflower Way
 Lehi, UT 84043



OC000000101531896

Cc: TECHLAW VENTURES, PLLC
 3290 WEST MAYFLOWER WAY
 LEHI, UT 84043

Date Mailed:08/08/2018

DENIAL OF REQUEST FOR POWER OF ATTORNEY

The request for Power of Attorney filed 08/03/2018 is acknowledged. However, the request cannot be granted at this time for the reason stated below.

- The Power of Attorney you provided did not comply with the new Power of Attorney rules that became effective on June 25, 2004. See 37 CFR 1.32.
- The revocation is not signed by the applicant, the assignee of the entire interest, or one particular principal attorney having the authority to revoke.
- The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73(c) has not been received.
- The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- The signature(s) of _____ a co-inventor in this application, has been omitted. The Power of Attorney will be entered upon receipt of confirmation signed by said co-inventor(s).
- The person(s) appointed in the Power of Attorney is not registered to practice before the U.S. Patent and Trademark Office.
- Only one Customer Number can be designated for the Power of Attorney in an application. The Customer Number that was captured is the first Customer Number provided on the Power of Attorney document.
- A request under 37 CFR 1.48 to add an inventor was granted in this application, however, no power of attorney consistent with the power of attorney granted by the originally named inventive entity has been received. Thus, the addition of the inventor has resulted in the loss of power of attorney in the application. See 37 CFR 1.32(e).



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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www.uspto.gov



The power of attorney has not been accepted because the party who is giving power of attorney has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A patent owner who was not the applicant must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).



The power of attorney from the inventors has not been accepted because it is a copy from a prior national application for which benefit is claimed and the continuing application names an inventor who was not named as an inventor in the prior application.



The power of attorney from the inventors has not been accepted because the power of attorney must be signed by the applicant for patent. See 37 CFR 1.32(b)(4).



Any request to correct or update the name of the applicant must include an application data sheet (ADS) in compliance with 37 CFR 1.76 specifying the correct or updated name of the applicant in the applicant information section. Any request to change the applicant after an original applicant has been specified under 37 CFR 1.46(b) must include a new ADS in compliance with 37 CFR 1.76 specifying the applicant in the applicant information section and comply with 37 CFR 3.71 and 3.73. See 37 CFR 1.46(c).

Any inquiries regarding this notice should be directed to the Application Assistance Unit at 571-272-4200.


Application Assistance Unit
571-272-4200

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

Practitioners associated with Customer Number:

112802

OR

Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

The address associated with Customer Number:

OR

Firm or individual name

Address

City

State

Zip

Country

Telephone

Email

Assignee name and address:

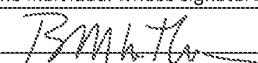
Nikola Corporation

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature



Date

Name

Britton Worthen

Telephone

Title

Chief Legal Officer

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Trevor R. Milton, et al.

Application No./Patent No.: 15/396,209 Filed/Issue Date: December 30, 2016

Titled: SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW

Nikola Corporation, a corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose one of options 1, 2, 3 or 4 below):1. The assignee of the entire right, title, and interest.2. An assignee of less than the entire right, title, and interest (check applicable box): The extent (by percentage) of its ownership interest is _____ %. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest. There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.3. The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.4. The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose one of options A or B below):A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Terrence J. Edwards/

August 3, 2018

Signature

Date

Terrence J. Edwards

50254

Printed or Typed Name

Title or Registration Number

[Page 2 of 2]



State of Utah
Department of Commerce
Division of Corporations & Commercial Code
Articles/Statement of Conversion

This form cannot be hand written. Paid: \$37.00

Date: 07/10/2017
Receipt Number: R944386

7/10/17
6944386
#75

EXPEDITE

Non-Refundable Processing Fee: \$37.00

CONVERSION

1. The Articles/Statement of Conversion shall state:

Entity Number: 9633015-0160

RECEIVED

JUL 10 2017

Utah Div. of Corp. & Commr. Code

First: The name and entity type of the company immediately prior to the filing of the conversion:

Name: Bluegentech LLC

Entity Type (Corp, LLC, LP, Partnership, DBA, etc.): LLC

Second: The date and state where the company was first created and, if it has changed, its jurisdiction immediately prior to its conversion;

12/15/2015

Utah

Date of formation

State / Jurisdiction

Third: The name and entity type of the company as set forth in its converted entity filing:

Name: Nikola Corporation

Entity Type: Corporation

Delaware

State / Jurisdiction

Registered Agent address or mailing address for service of process if not qualified as a foreign entity in Utah

Fourth: The future effective date of the conversion to the new entity if it is not to be effective upon the filing of the conversion;

Fifth: Under penalties of perjury, I declare that the Articles/Statement of Conversion have been duly approved by the owners of the entity.

Name: Britton Worthen

Signature: Bmwt

Title: Secretary and General Counsel

Date: July 10, 2017

2. Additional filing requirements: The non-refundable processing fee of \$37.00 payable to the State of Utah, and application for new entity must accompany this form. No additional fee for the new application.

Under GRAMA (63-3-201), all registration information maintained by the Division is classified as public record. For confidentiality purposes, you may use the business entity physical address rather than the residential or private address of any individual affiliated with the entity.

JUL 10 2017 PM 8:39

State of Utah
Department of Commerce
Division of Corporations and Commercial Code
I hereby certify that the foregoing has been filed
and approved on this 10, day of July, 2017.
In the office of this Division and hereby issued
This Certificate thereof.

Examiner: Kathy Berg



Kathy Berg
Kathy Berg
Division Director



This form must be type written or computer generated.
 State of Utah
 Department of Commerce
 Division of Corporations & Commercial Code
 Application for Authority to Conduct Affairs for a Foreign Corporation

RECEIVED

CONVERSION

JUL 10 2017

A certification of Good Standing/Existence from the State of Incorporation dated no earlier than ninety (90) days prior to the filing date. Utah Day of Corp. & Comm. Code attached to this application.

Non-Refundable Processing Fee:		<input checked="" type="checkbox"/> Profit \$70.00	<input type="checkbox"/> Nonprofit \$30.00
1. Exact Corporate Name:	Nikola Corporation		
2. A corporation of the state of:	Delaware	3. Date Incorporated:	July 10, 2017
4. The corporation's period of duration is:	(usually perpetual)		
5. The address of the corporation's principal office is:	1130 South 3800 West, Suite 200 Street Address Line 1 Street Address Line 2 City Salt Lake City State UT Zip 84104		
6. Who/What is the name of the Registered Agent (Individual or Business Entity or Commercial Registered Agent)? Britton Worthen			
The address must be listed if you have a non-commercial registered agent. What is a commercial registered agent?			
Address of the Registered Agent: 1130 South 3800 West, Suite 200			
Utah Street Address Required, PO Boxes can be listed after the Street Address			
City: Salt Lake City State: UT Zip: 84104			
7. If the name is not available in Utah the corporation shall use as it's name: (Please refer to (U.C.A. 16-10a-1306))			
8. The corporation commenced or intends to commence business in Utah on: July 10, 2017			
9. The names and addresses of the corporation's officers and directors are:			
Position:	Name	Address	City State Zip
President	Trevor Milton	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Vice-President			
Secretary	Britton Worthen	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Treasurer	Jonathan Spira	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Director	Trevor Milton	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Director	William Milton	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Director	De Witt Thompson V	1130 South 3800 West, Ste 200	Salt Lake City, UT 84104
Other	Directors: Robert Fitzgerald and Lon Stalsberg, 1130 South 3800 West, Ste 200, Salt Lake City UT 84104		
10. The business purposes to be pursued in Utah are: Manufacturing, sales and other general business purposes			
Under penalties of perjury, I declare that this application for Certificate of Authority has been examined by me and is, to the best of my knowledge and belief, true, correct and complete.			
Authorized Signer Signature:		Title: Secretary and Chief Legal Officer	
Optional Inclusion of Ownership Information: This information is not required.			
Is this a female owned business? <input type="radio"/> Yes <input checked="" type="radio"/> No			
Is this a minority owned business? <input type="radio"/> Yes <input checked="" type="radio"/> No If yes, please specify (Select/Type the race of the owner here)			
Under GRAMA (63-2-201), all registration information maintained by the Division is classified as public record. For confidentiality purposes, you may use the business entity physical address rather than the residential or private address of any individual affiliated with the entity.			

Mailing/Faxing Information: www.corporations.utah.gov/contactus.html Division's Website: www.corporations.utah.gov

State of Utah
 Department of Commerce
 Division of Corporations and Commercial Code
 I hereby certify that the foregoing has been filed
 and approved on this 10 day of July 2017
 in this office of this Division and hereby issued
 This Certificate thereof.

JUL 10 '17 p8:40

01/14

Examiner



Kathy Berg
 Date 7-11-17
 Kathy Berg
 Division Director

Electronic Acknowledgement Receipt	
EFS ID:	33453914
Application Number:	15396209
International Application Number:	
Confirmation Number:	5158
Title of Invention:	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW
First Named Inventor/Applicant Name:	Trevor R. Milton
Customer Number:	112802
Filer:	Terrence J. Edwards
Filer Authorized By:	
Attorney Docket Number:	BGT-0012.NP
Receipt Date:	13-AUG-2018
Filing Date:	30-DEC-2016
Time Stamp:	17:40:39
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no				
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	Corrected_ADS_BGT0012NP.pdf 6ab68925e919ee9912756a0325370895d63 bb0b9	164484	no	9

Warnings:

Information:					
This is not an USPTO supplied ADS fillable form					
2	Power of Attorney	POA.pdf	98224 6550e38c811c9c96660571fb28d392110ab 3e3dd	no	1
Warnings:					
Information:					
3	Assignee showing of ownership per 37 CFR 3.73	Statement_of_Assignee_BGT00 12NP.pdf	2630541 2656ecedff3f1a113449647996ccda2b0f621 a1f	no	4
Warnings:					
Information:					
			Total Files Size (in bytes):	2893249	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p>New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p>National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p>New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2:

<input type="checkbox"/> Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--

Inventor Information:

Inventor 1					<input type="button" value="Remove"/>
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Trevor	R.	Milton		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Salt Lake City	State/Province	UT	Country of Residence	US
Mailing Address of Inventor:					
Address 1		4594 South Westview Drive			
Address 2					
City	Salt Lake City		State/Province	UT	
Postal Code	84124		Country	US	
Inventor 2					<input type="button" value="Remove"/>
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Steve		Jennes		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Fullerton	State/Province	CA	Country of Residence	US
Mailing Address of Inventor:					
Address 1		1223 West Gage Ave.			
Address 2					
City	Fullerton		State/Province	CA	
Postal Code	92833		Country	US	
Inventor 3					<input type="button" value="Remove"/>
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Markus		Scholten		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP	
		Application Number		
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW			
City	Irvine	State/Province	CA	Country of Residence
Mailing Address of Inventor:				
Address 1		183 Gitano		
Address 2				
City	Irvine	State/Province	CA	
Postal Code	92618	Country	i	US
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.				
<input type="button" value="Add"/>				

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).				
<input type="checkbox"/> An Address is being provided for the correspondence information of this application.				
Customer Number	112802			
Email Address	docket@techlawventures.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>	
Email Address	terrence.edwards@techlawventures.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>	

Application Information:

Title of the Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW			
Attorney Docket Number	BGT-0012.NP	Small Entity Status Claimed	<input checked="" type="checkbox"/>	
Application Type	Nonprovisional			
Subject Matter	Utility			
Total Number of Drawing Sheets (if any)	9	Suggested Figure for Publication (if any)	1	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

Publication Information:

Request Early Publication (Fee required at time of Request 37 CFR 1.219)

Request Not to Publish. I hereby request that the attached application not be published under

35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	<input checked="" type="radio"/> Customer Number	<input type="radio"/> US Patent Practitioner	<input type="radio"/> Limited Recognition (37 CFR 11.9)
Customer Number	112802		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78. When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation in part of	15357350	2016-11-21
Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
15357350	Claims benefit of provisional	62391745	2016-05-09
Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Claims benefit of provisional	62273256	2015-12-30

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		
Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Claims benefit of provisional	62391745	2016-05-09
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)¹ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ¹	Filing Date (YYYY-MM-DD)	Remove Access Code ¹ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March

16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant must opt-out of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is ONLY reviewed and processed with the INITIAL filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby grants the USPTO authority to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

A. Applicant DOES NOT authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

B. Applicant DOES NOT authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

<input checked="" type="radio"/> Assignee	<input type="radio"/> Legal Representative under 35 U.S.C. 117	<input type="radio"/> Joint Inventor
<input type="radio"/> Person to whom the inventor is obligated to assign.	<input type="radio"/> Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:		

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here.

Organization Name Bluegentech LLC- Nikola Corporation

Mailing Address Information For Applicant:

Address 1	1130 South 3800 West, Suite 200		
Address 2			
City	Salt Lake City	State/Province	UT
Country	US	Postal Code	84104
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here.

Organization Name	Bliegentech LLC- Nikola Corporation
-------------------	-------------------------------------

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1		1130 South 3800 West, Suite 200	
Address 2			
City		Salt Lake City	State/Province
Country	US		Postal Code
Phone Number		Fax Number	
Email Address			
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.			

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet must be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, all joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of all joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Terrence J. Edwards/			Date (YYYY-MM-DD)	2016-12-30 2018-08-13
First Name	Terrence	Last Name	Edwards	Registration Number	50254
Additional Signature may be generated within this form by selecting the Add button.					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	BGT-0012.NP
		Application Number	
Title of Invention	SYSTEMS, METHODS, AND DEVICES FOR AN AUTOMOBILE DOOR OR WINDOW		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP

CONFIRMATION NO. 5158

MISCELLANEOUS NOTICE



OC000000101727598

Date Mailed: 08/22/2018

A communication which cannot be delivered in electronic form has been mailed to the applicant.



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15/396,209	12/30/2016	Trevor R. Milton	BGT-0012.NP

CONFIRMATION NO. 5158

112802
 TechLaw Ventures, PLLC
 3290 West Mayflower Way
 Lehi, UT 84043



OC000000101727598

Cc: TECHLAW VENTURES, PLLC
 3290 WEST MAYFLOWER WAY
 LEHI, UT 84043

Date Mailed: 08/22/2018

DENIAL OF REQUEST FOR POWER OF ATTORNEY

The request for Power of Attorney filed 08/13/2018 is acknowledged. However, the request cannot be granted at this time for the reason stated below.

- The Power of Attorney you provided did not comply with the new Power of Attorney rules that became effective on June 25, 2004. See 37 CFR 1.32.
- The revocation is not signed by the applicant, the assignee of the entire interest, or one particular principal attorney having the authority to revoke.
- The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73(c) has not been received.
- The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- The signature(s) of _____, a co-inventor in this application, has been omitted. The Power of Attorney will be entered upon receipt of confirmation signed by said co-inventor(s).
- The person(s) appointed in the Power of Attorney is not registered to practice before the U.S. Patent and Trademark Office.
- Only one Customer Number can be designated for the Power of Attorney in an application. The Customer Number that was captured is the first Customer Number provided on the Power of Attorney document.
- A request under 37 CFR 1.48 to add an inventor was granted in this application, however, no power of attorney consistent with the power of attorney granted by the originally named inventive entity has been



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received. Thus, the addition of the inventor has resulted in the loss of power of attorney in the application. See 37 CFR 1.32(e).

- The power of attorney has not been accepted because the party who is giving power of attorney has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A patent owner who was not the applicant must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).
- The power of attorney from the inventors has not been accepted because it is a copy from a prior national application for which benefit is claimed and the continuing application names an inventor who was not named as an inventor in the prior application.
- The power of attorney from the inventors has not been accepted because the power of attorney must be signed by the applicant for patent. See 37 CFR 1.32(b)(4).
- Any request to correct or update the name of the applicant must include an application data sheet (ADS) in compliance with 37 CFR 1.76 specifying the correct or updated name of the applicant in the applicant information section. Any request to change the applicant after an original applicant has been specified under 37 CFR 1.46(b) must include a new ADS in compliance with 37 CFR 1.76 specifying the applicant in the applicant information section and comply with 37 CFR 3.71 and 3.73. See 37 CFR 1.46(c).

Any inquiries regarding this notice should be directed to the Application Assistance Unit at 571-272-4200.

M Cam

Application Assistance Unit
 571-272-4200



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/396,209	09/18/2018	10077084	BGT-0012.NP	5158
112802	7590	08/29/2018		
TechLaw Ventures, PLLC 3290 West Mayflower Way Lehi, UT 84043				

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(S) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Trevor R. Milton, Salt Lake City, UT;
Bluegentech LLC, Salt Lake City, UT;
Steve Jennes, Fullerton, CA;
Markus Scholten, Irvine, CA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.