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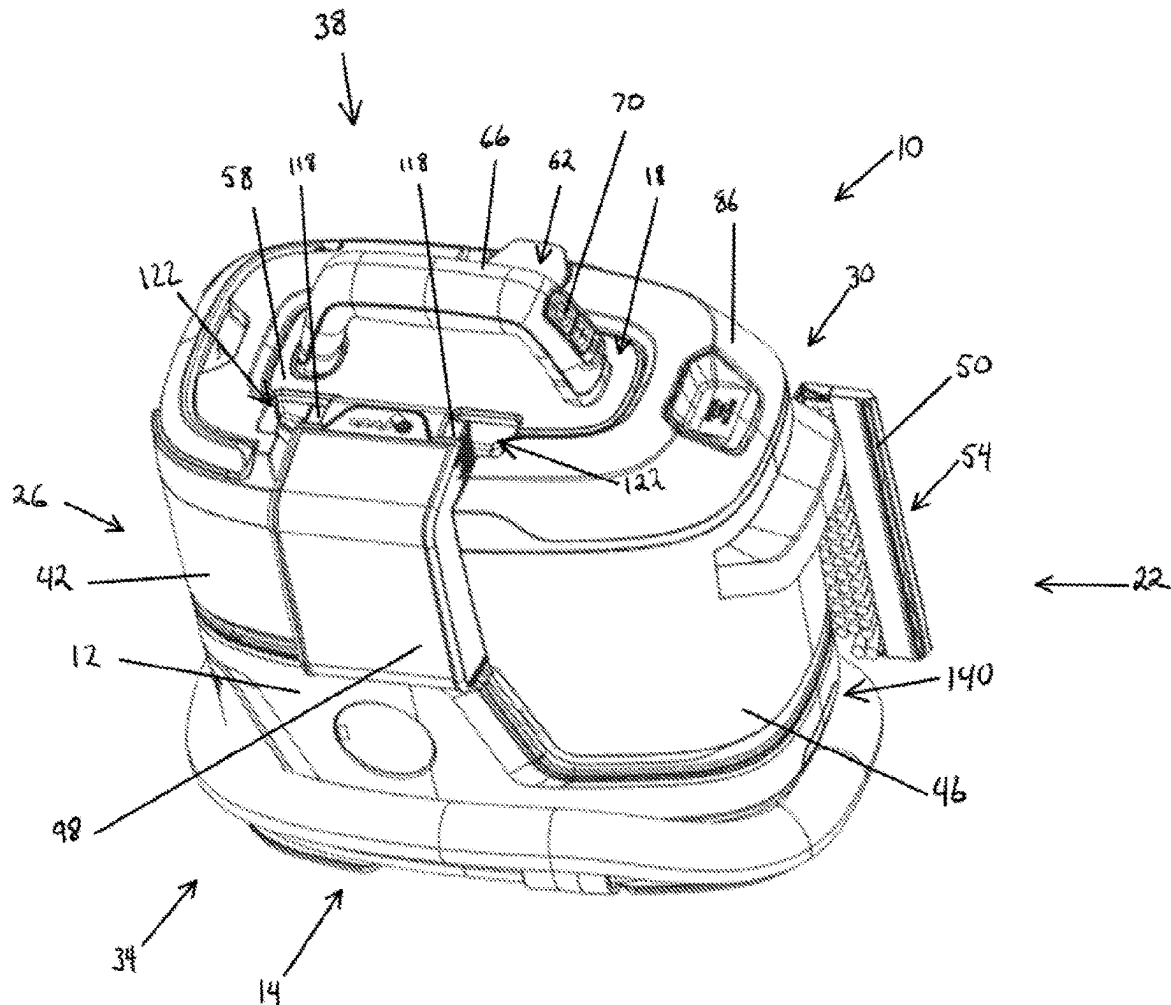
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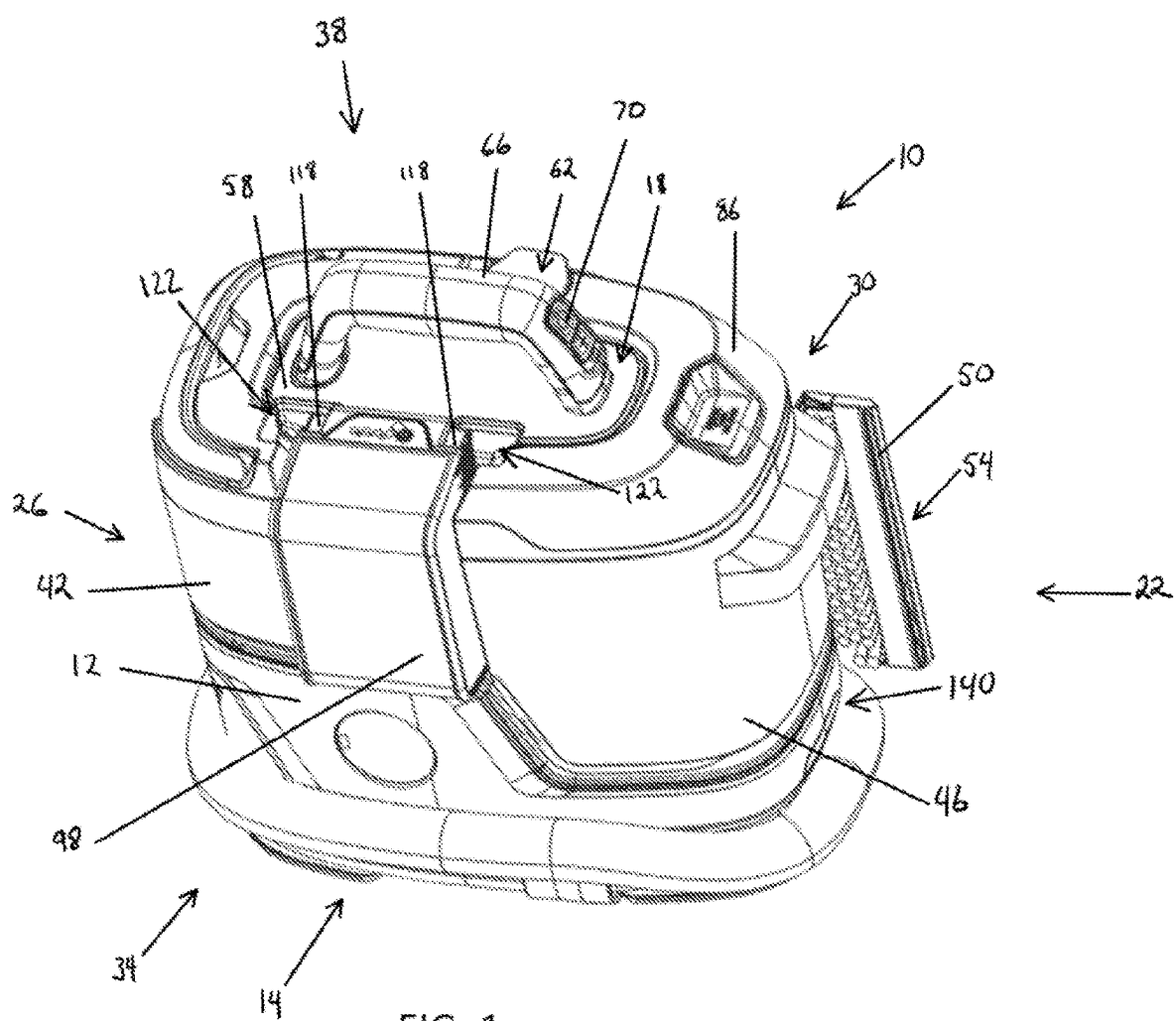
(2) Date: **Jan. 16, 2025****ABSTRACT**

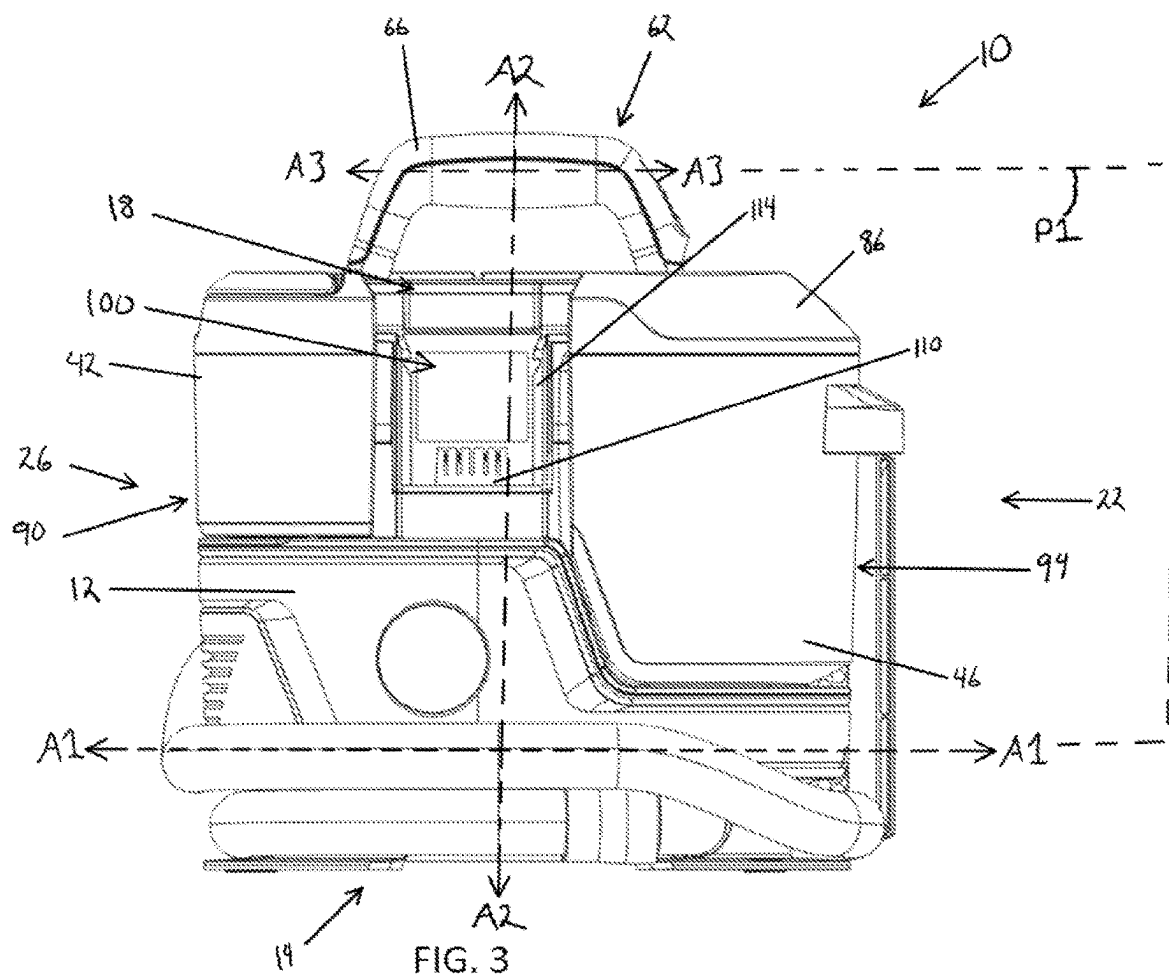
(57) A surface cleaner (10) includes a main body (12), a base (14), and a column (18) extending from the base. A supply tank (42) extends around a first portion of the column. A first end of the supply tank is on a first side of the column. A second end of the supply tank is on a second side of the column. A recovery tank (46) extends around a second portion of the column. A first end of the recovery tank is on the first side of the column. A second end of the recovery tank is on the second side of the column. The first end of the supply tank is adjacent the first end of the recovery tank. The second end of the supply tank is spaced from the second end of the recovery tank. A battery (98) is coupled to the main body between the second ends of the supply and recovery tanks.

Related U.S. Application Data

(60) Provisional application No. 63/391,450, filed on Jul. 22, 2022.







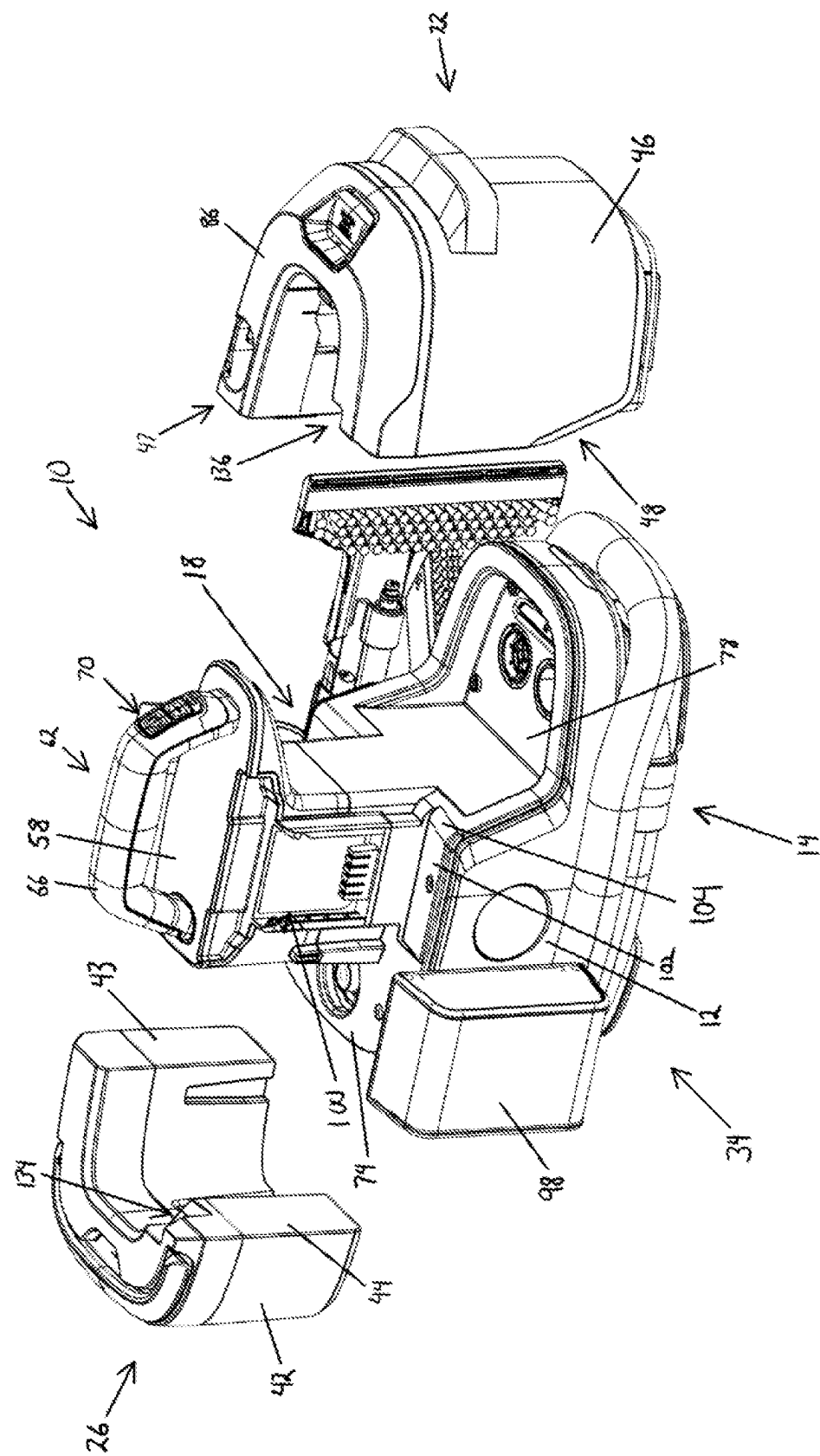


FIG. 4

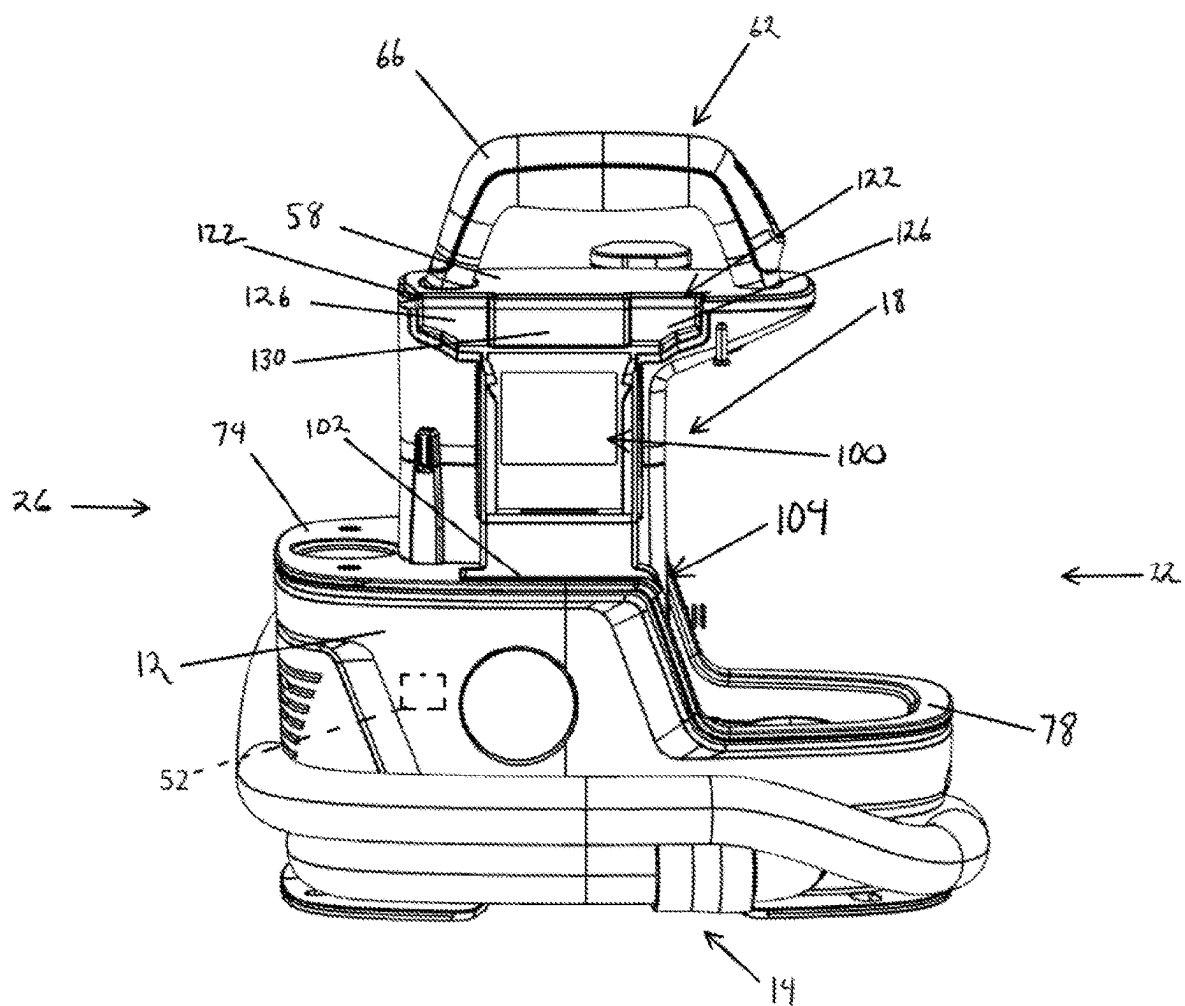


FIG. 5

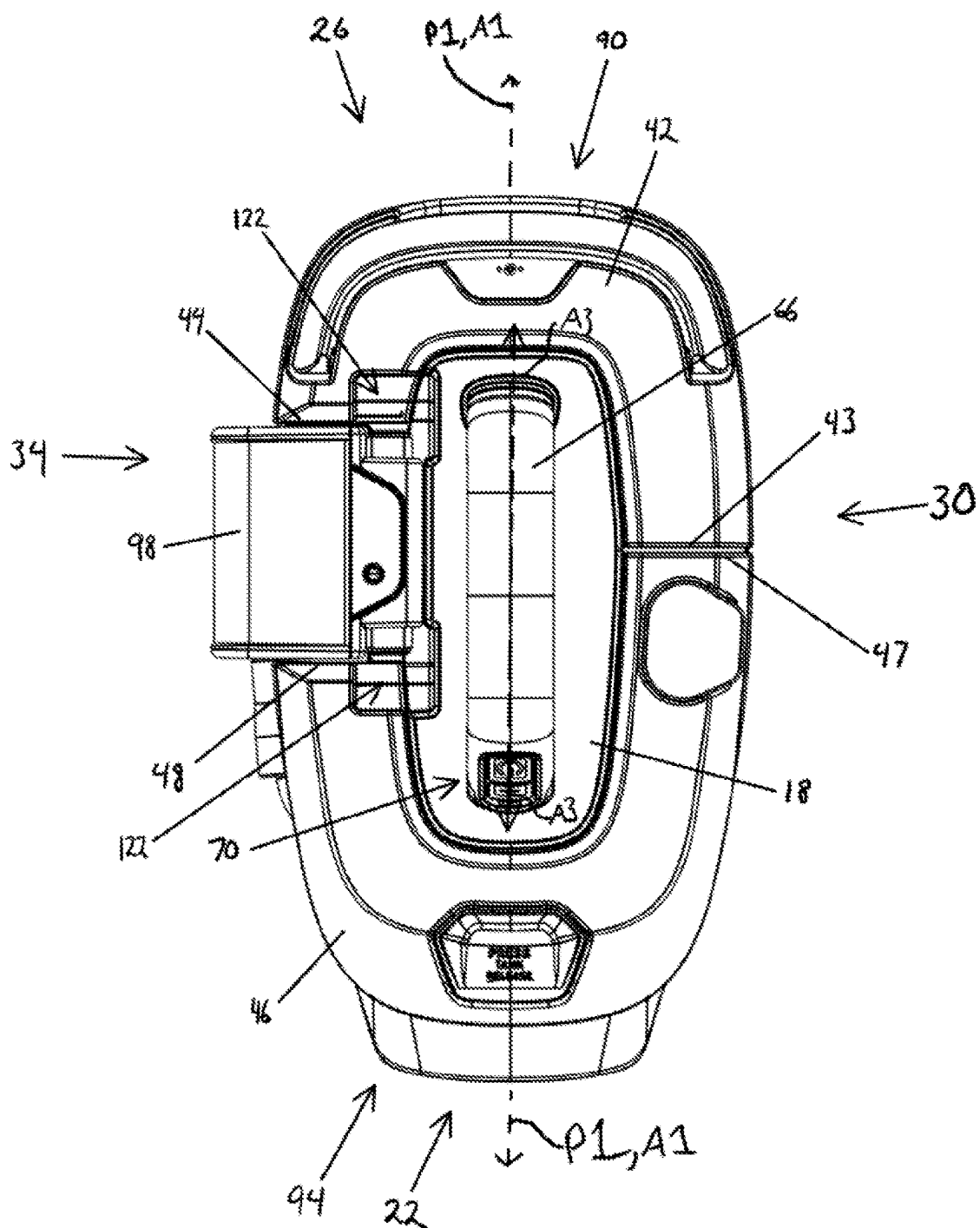


FIG. 6

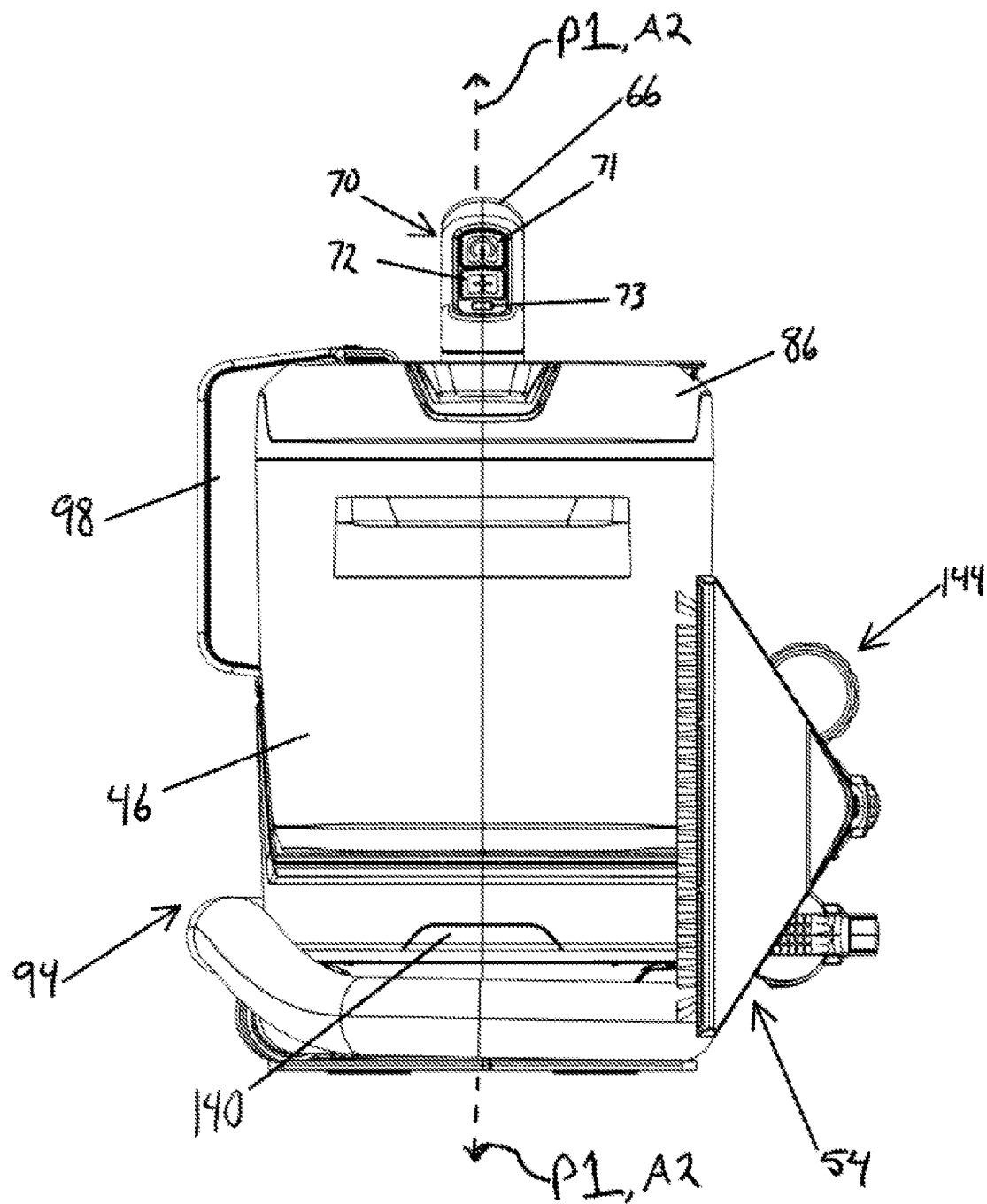
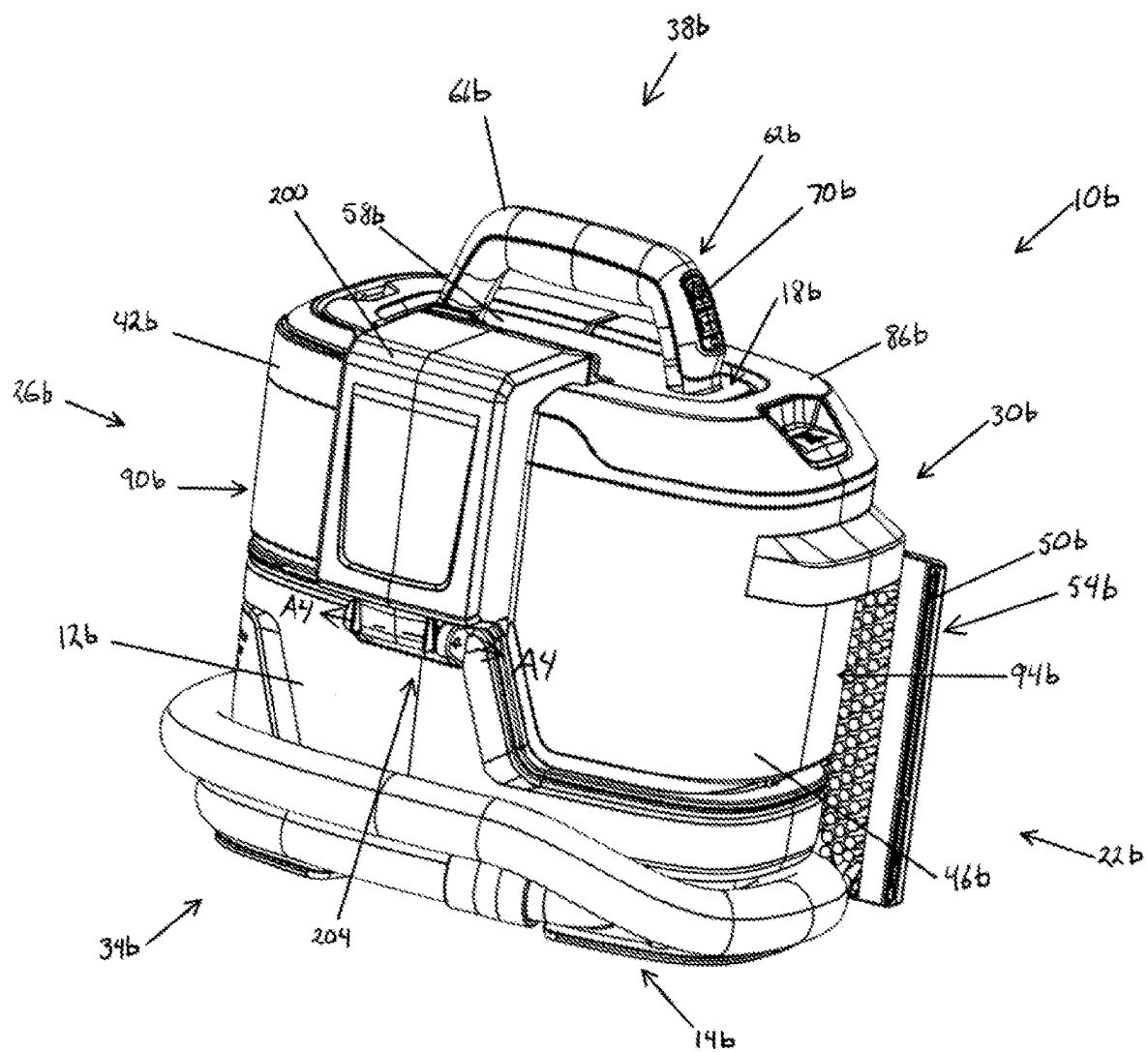
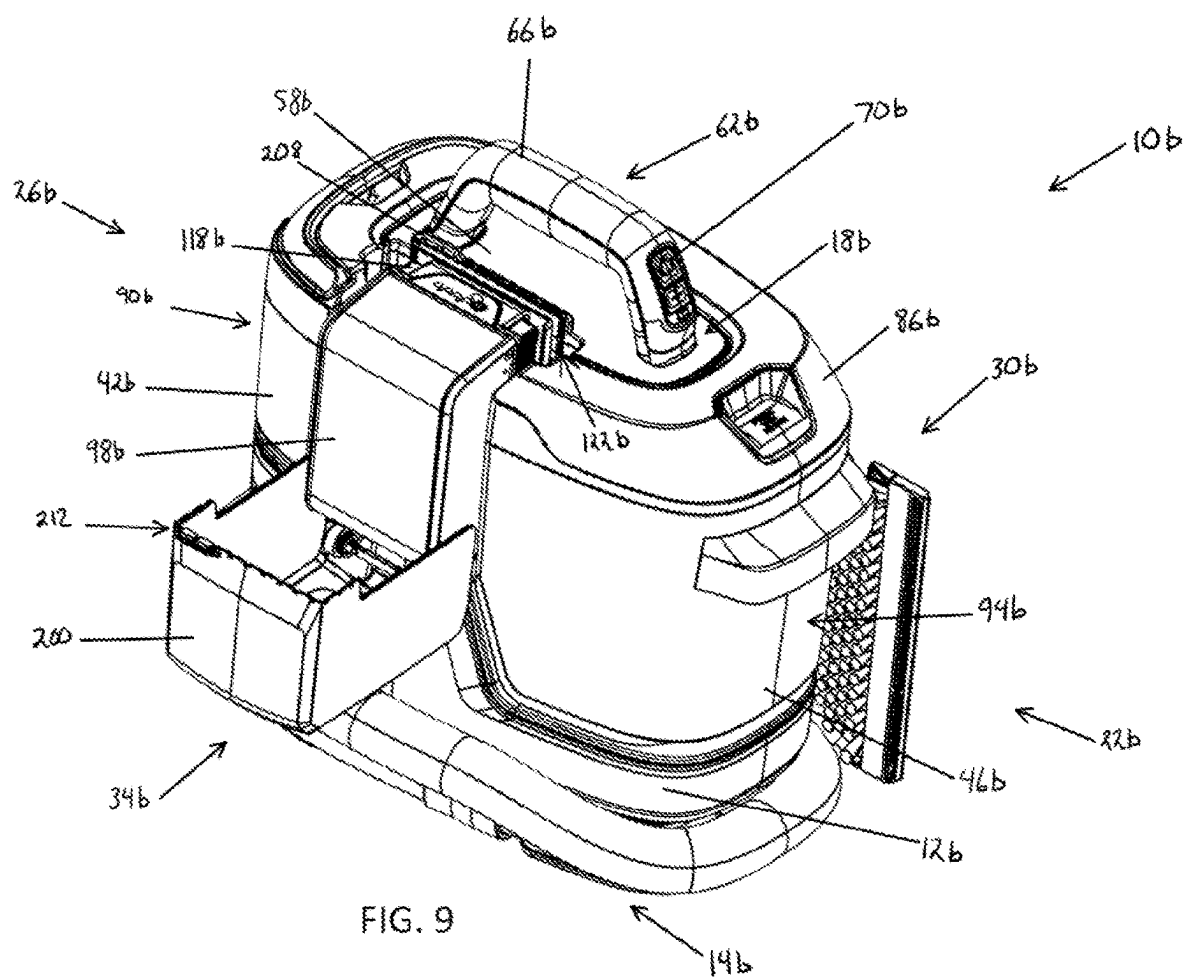


FIG. 7





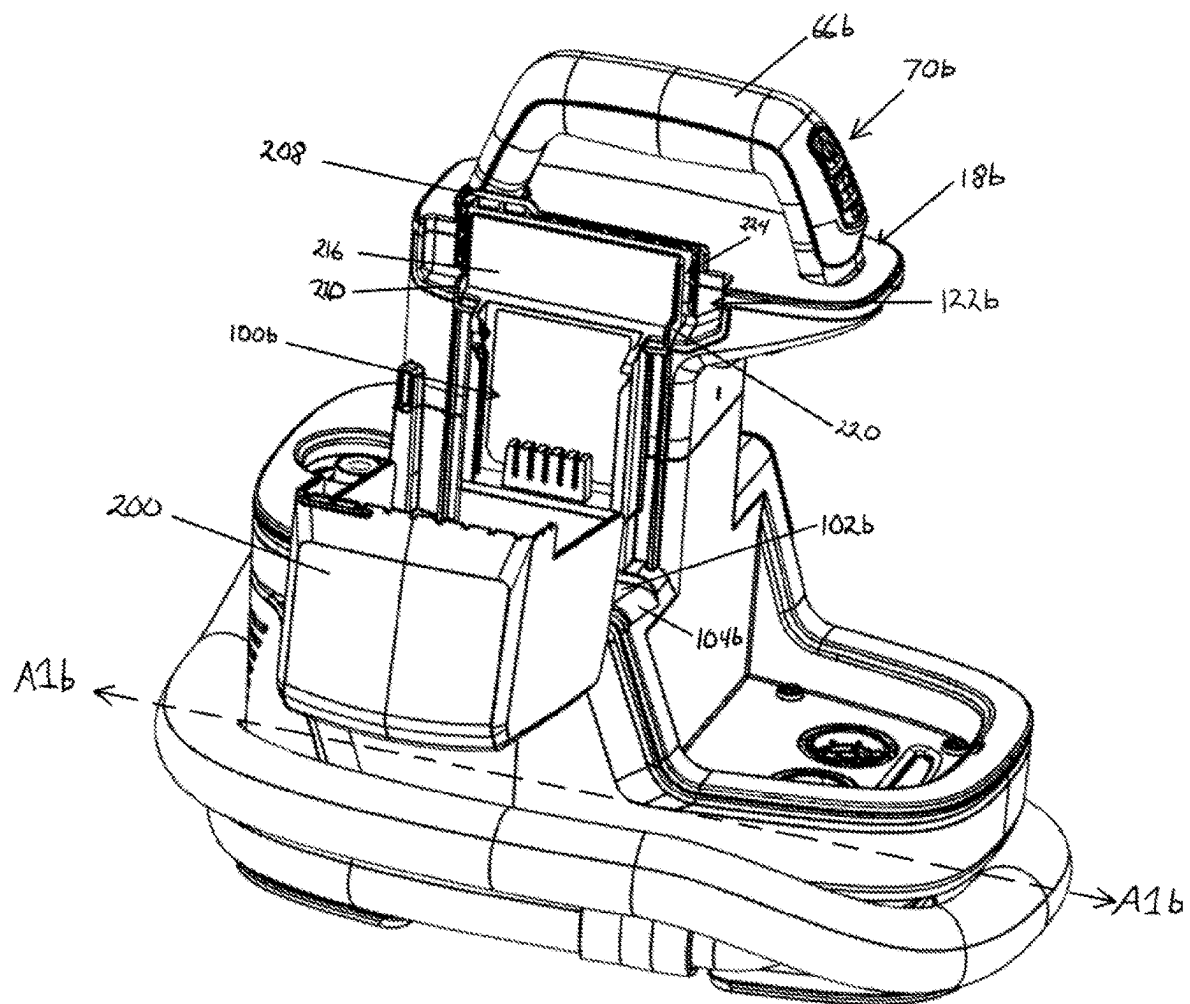


FIG. 10

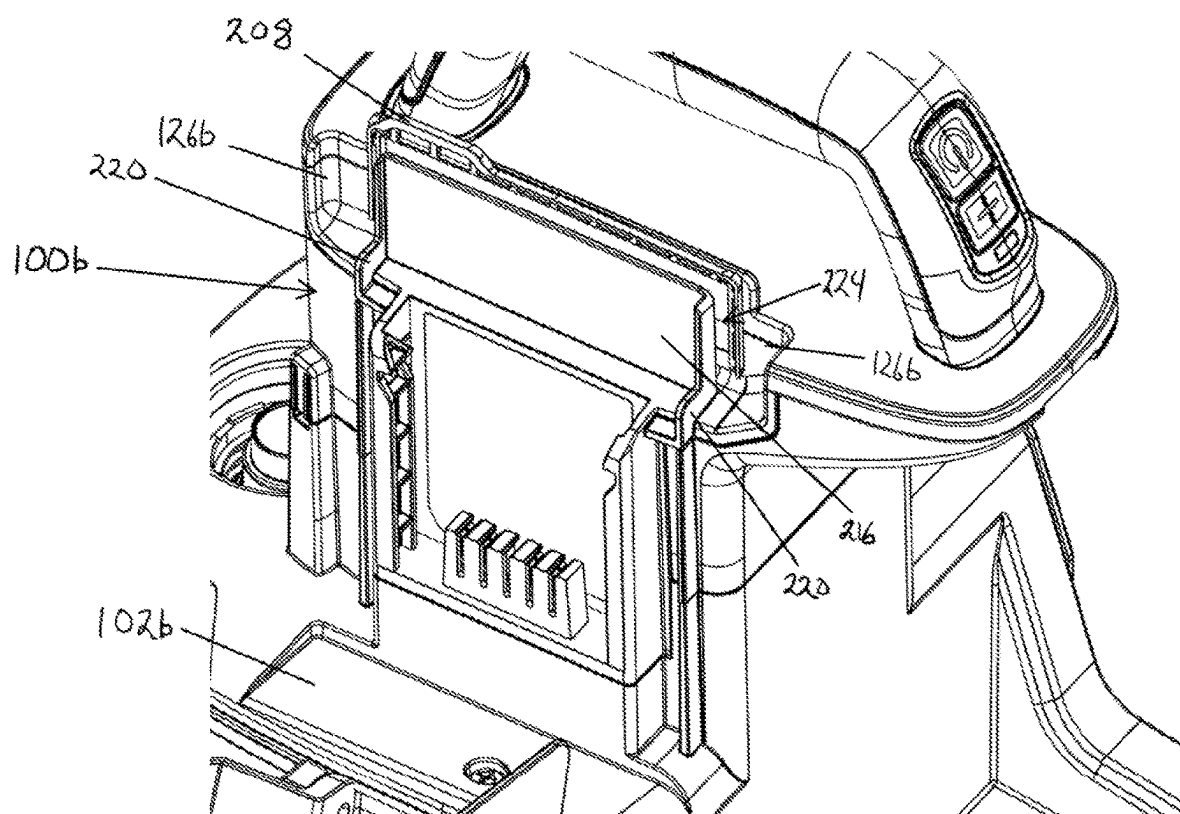


FIG. 11

SURFACE CLEANER

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority to U.S. Provisional Patent Application No. 63/391,450, filed Jul. 22, 2022, the entire contents of which are hereby incorporated by reference herein.

BACKGROUND

[0002] The present disclosure relates to surface cleaners, and more particularly, to cordless wet surface cleaners.

SUMMARY

[0003] In one embodiment a surface cleaner is disclosed including a main body having a base that supports the surface cleaner on a surface. The main body includes a column extending from the base in a direction away from the surface and a handle positioned on an upper surface of the column opposite the base. A supply tank is removably coupled to and supported by the base. The supply tank extends around a first portion of the column when the supply tank is coupled to the base such that a first end of the supply tank is disposed on a first side of the column and a second end of the supply tank is disposed on a second side of the column. A recovery tank is removably coupled to and supported by the base. The recovery tank extends around a second portion of the column when the recovery tank is coupled to the base such that a first end of the recovery tank is disposed on the first side of the column and a second end of the recovery tank is disposed on the second side of the column. A battery is removably coupled to and supported by the main body. The battery extends along a third portion of the column. The first end of the supply tank is positioned adjacent the first end of the recovery tank, and the second end of the supply tank is spaced apart from the second end of the recovery tank. The battery is disposed between the second end of the supply tank and the second end of the recovery tank.

[0004] Other aspects of the present disclosure will become apparent by consideration of the detailed description and accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005] FIG. 1 is a perspective view of a surface cleaner according to one embodiment of the present disclosure.

[0006] FIG. 2 is a perspective view of the surface cleaner of FIG. 1, with a battery hidden for clarity.

[0007] FIG. 3 is a side view of the surface cleaner of FIG. 2.

[0008] FIG. 4 is an exploded perspective view of the surface cleaner of FIG. 1.

[0009] FIG. 5 is a side view of the surface cleaner of FIG. 1, with the battery, a supply tank, and a recovery tank hidden for clarity.

[0010] FIG. 6 is a top view of the surface cleaner of FIG. 1.

[0011] FIG. 7 is a front view of the surface cleaner of FIG. 1.

[0012] FIG. 8 is a perspective view of a surface cleaner according to another embodiment of the present disclosure.

[0013] FIG. 9 is a perspective view of the surface cleaner of FIG. 8, showing a battery cover in an open position.

[0014] FIG. 10 is a perspective view of the surface cleaner of FIG. 9, with the battery, the supply tank, and the recovery tank hidden for clarity.

[0015] FIG. 11 is a detail view of a portion of the surface cleaner of FIG. 10, illustrating a battery mount.

[0016] Before any embodiments of the present disclosure are explained in detail, it is to be understood that the present disclosure is not limited in its application to the details of construction and the arrangement of components set forth in the following description or illustrated in the following drawings. Example embodiments of the present disclosure are capable of being practiced or of being carried out in various ways.

DETAILED DESCRIPTION

[0017] The present disclosure relates to a surface cleaner, specifically a cordless wet surface cleaner, with a supply tank, a recovery tank, and a battery that are each removable from the cleaner. When the supply tank and the recovery tank are attached to the cleaner, the tanks form an outer wall that defines a majority of a perimeter of the cleaner. When the battery is attached to the cleaner, the battery is located between the supply tank and the recovery tank and forms a portion of the outer wall that defines the perimeter of the cleaner.

[0018] FIGS. 1-7 illustrate a surface cleaner 10 according to one embodiment of the present disclosure. The surface cleaner 10 is a wet surface cleaner, such as a spot cleaner, carpet or hard floor extractor, or the like, that delivers a liquid to a surface to be cleaned. The surface cleaner 10 includes a main body 12 with a base 14 that supports the surface cleaner 10 on a surface, such as a surface to be cleaned. As described herein, the surface cleaner 10 includes a front side 22, a rear side 26 opposite the front side 22, a horizontal longitudinal axis A1 extending between the front side 22 and the rear side 26 (FIG. 3), two opposite lateral sides 30, 34 disposed between the front side 22 and the rear side 26, and a top side 38 opposite the base 14. Extending from the base 14 in a direction away from the surface on which the base supports the surface cleaner 10 is a column 18 of the main body 12. The column 18 defines a vertical longitudinal axis A2 extending between the base 14 and the top side 38 (FIG. 3). In other words, the axis A2 defines a longitudinal axis of the column 18 and a vertical longitudinal axis of the main body 12. The horizontal longitudinal axis A1 and the vertical longitudinal axis A2 are co-planar and define a plane P1 that bisects the surface cleaner 10. A supply tank 42 for providing a cleaning liquid is removably coupled to the base 14, and a recovery tank 46 for receiving and storing debris and/or liquid that is collected during use of the surface cleaner 10 is removably coupled to the base 14. In the illustrated embodiment, the supply tank 42 is disposed proximate the rear side 26 and the recovery tank 46 is disposed proximate the front side 22. In other embodiments, the recovery tank 46 is disposed proximate the rear side 26 and the supply tank 42 is disposed proximate the front side 22. The surface cleaner 10 further includes a suction inlet 50 (shown in FIG. 1 in a stowed position) in fluid communication with a suction source 52 (FIG. 5) and the recovery tank 46. In use, the suction source 52 generates a suction airflow to draw debris and/or liquid through the suction inlet 50 and into the recovery tank 46. In some embodiments, the surface cleaner 10 includes a cleaning tool 54 attached to the main body 12 or the base 14. The cleaning

tool **54** may be an agitating brush, a static brush, a spot cleaning tool, or another type of accessory cleaning tool. The cleaning tool **54** may include the suction inlet **50** and may include a liquid distributor in fluid communication with the supply tank **42** to distribute liquid to the surface to be cleaned.

[0019] The top side **38** of the surface cleaner **10** is formed in part by an upper surface **58** of the column **18**. The upper surface **58** is located opposite the base **14** along the vertical longitudinal axis **A2** and is smaller in cross-sectional area than the base **14** when viewed along the vertical longitudinal axis **A2**. Extending from the upper surface **58** of the column **18** is a handle **62**. As used herein, the upper surface **58** is not necessarily the top-most surface of the cleaner **10**; instead, it includes positions toward the upper side of the cleaner **10** and may be recessed from the top-most surface as desired for the application. In the illustrated embodiment, the handle **62** extends above the supply tank **42** and the recovery tank **46** to allow a user to carry and operate the surface cleaner **10** (FIG. 3). The handle **62** includes a user graspable portion **66** spaced above the upper surface **58** and defining a longitudinal axis **A3** along the user graspable portion **66**. In the illustrated embodiment, the longitudinal axis **A3** extends parallel to the horizontal longitudinal axis **A1**, perpendicular to the vertical longitudinal axis **A2** (FIG. 3), and is co-planar with the horizontal and vertical longitudinal axes **A1**, **A2** (e.g., contained within plane **P1**). In other words, the user graspable portion **66** of the handle **62** extends between the front side **22** and the rear side **26** of the surface cleaner **10** transverse to the longitudinal axis **A2** of the column **18**. In other embodiments, the handle and the longitudinal axis **A3** extend across the main body transverse to the horizontal longitudinal axis **A1**, and may be perpendicular to the horizontal longitudinal axis **A1**. In the illustrated embodiment, the handle **62** includes an interface **70** proximate the front side **22** of the surface cleaner **10** for operating the surface cleaner **10**, and the interface **70** intersects the longitudinal axis **A3**. Other embodiments may include the interface **70** positioned in a different orientation and/or on a different portion of the handle **62** or the surface cleaner **10**. With reference to FIG. 7, the interface **70** may include a power button **71** for turning the surface cleaner **10** on and off, a power level adjustment button **72** for adjusting an amount of suction generated by the suction source **52** when the surface cleaner **10** is on, and a status indicator **73** (e.g., LED) for indicating a status of the surface cleaner **10** to a user. For example, the status indicator **73** may turn on or off based with the surface cleaner **10**, or may change color based on the status of the surface cleaner **10**.

[0020] With reference to FIGS. 4-5, the base **14** includes a supply tank support surface **74** at the rear side **26** of the surface cleaner **10** and a recovery tank support surface **78** at the front side **22** of the surface cleaner **10**. The supply tank support surface **74** is oriented transverse to the vertical longitudinal axis **A2** of the surface cleaner **10**. In other words, the supply tank support surface **74** is oriented generally along the surface to be cleaned when the base **14** is positioned on the surface to be cleaned and may be at an oblique angle to the surface to be cleaned. Furthermore, the supply tank support surface **74** is positioned between a lowermost portion of the base **14**, which may be positioned on the surface to be cleaned, and the upper surface **58** of the column **18**. Similarly, the recovery tank support surface **78** is oriented transverse to the vertical longitudinal axis **A2** of

the surface cleaner **10** and generally along the surface to be cleaned when the base **14** is positioned on the surface to be cleaned and may be at an oblique angle to the surface to be cleaned. The recovery tank support surface **78** is also positioned between the lowermost portion of the base **14** and the upper surface **58** of the column **18**. In the illustrated embodiment, the recovery tank support surface **78** is positioned closer to the surface to be cleaned, along the vertical longitudinal axis **A2**, than the supply tank support surface **74**.

[0021] The supply tank **42** is removable from the surface cleaner **10** to allow for filling, cleaning, and maintenance of the supply tank **42**. Therefore, the supply tank **42** is movable between an in-use position in which the supply tank **42** is coupled to and supported by the base **14** and a removed position in which the supply tank **42** is not coupled to the surface cleaner **10**. The supply tank **42** includes a lid or cap (not shown) that is openable to allow for filling, cleaning, and maintenance of the supply tank **42**. When the supply tank **42** is coupled to the base **14**, the supply tank support surface **74** supports a lowermost surface of the supply tank **42**. The recovery tank **46** is also removable from the surface cleaner **10** to allow for emptying, cleaning, and maintenance of the recovery tank **46**. Therefore, the recovery tank **46** is movable between an in-use position in which the recovery tank **46** is coupled to and supported by the base **14** and a removed position in which the recovery tank **46** is not coupled to the surface cleaner **10**. Similar to the supply tank **42**, when the recovery tank **46** is coupled to the base **14**, the recovery tank support surface **78** supports a lowermost surface of the recovery tank **46**. In some embodiments, the recovery tank **46** includes a lid **86** defining a top surface of the recovery tank **46**. The recovery tank lid **86** is openable to allow for emptying, cleaning, and maintenance of the recovery tank **46**.

[0022] In the illustrated embodiment, the supply tank **42** and the recovery tank **46** include outer tank walls that form at least a portion of an outer side wall of the surface cleaner **10**. The supply tank **42** forms an outer rear wall **90** of the surface cleaner **10**, and the recovery tank **46** forms an outer front wall **94** of the surface cleaner **10**. In the illustrated embodiment, the supply tank **42** and the recovery tank **46** form at least 85% of the perimeter of the surface cleaner **10**. Furthermore, each of the supply tank **42** and the recovery tank **46** extend around or encompass a portion of the column **18** when coupled to the base **14**. The supply tank **42** extends around a rear portion of the column **18**, and the recovery tank **46** extends around a front portion of the column **18**. In the illustrated embodiment, the supply tank **42** and the recovery tank **46** are adjacent on one lateral side **30** of the surface cleaner **10** and are spaced apart from one another on the second, opposite, lateral side **34** of the surface cleaner **10**. In other words, the supply tank **42** includes a first end **43** and a second end **44**, and the recovery tank **46** includes a first end **47** and a second end **48**. The supply tank **42** extends around the column **18** in such a way that the first end **43** of the supply tank **42** is closer to a center of the column **18** than the second end **44** of the supply tank **42**, when measured along the horizontal longitudinal axis **A1**. Similarly, the recovery tank **46** extends around the column **18** in such a way that the first end **47** of the recovery tank **46** is closer to a center of the column **18** than the second end **48** of the recovery tank **46**, when measured along the horizontal longitudinal axis **A1**. The supply tank **42** and the recovery

tank 46 are oriented such that the first ends 43, 47 are positioned adjacent one another and the second ends 44, 48 are spaced apart from one another in a direction parallel to the horizontal longitudinal axis A1.

[0023] The surface cleaner 10 is a cordless surface cleaner including a battery 98. The battery 98 is a rechargeable battery and provides power to the surface cleaner 10, including the suction source 52. In the illustrated embodiment, the battery 98 is a slide type battery that is removably coupled to and supported by the main body 12 by coupling to a battery mount 100. However, in other embodiments, the cleaner may utilize a stem type battery including a base having a plurality of battery cells therein and a stem extending from the base. The stem is removably receivable within a battery receptacle to be coupled to the cleaner, rather than the battery mount 100 of the slide type battery 98. With reference to FIGS. 2-5, the base 14 includes a battery facing surface 102 disposed below a lowermost surface of the battery 98. In one embodiment, the battery facing surface 102 engages a portion of the battery 98 to support the battery 98 in its coupled position. In another embodiment, the battery mount 100 and/or a battery terminal 106 are configured to support the battery 98 in its coupled position. The battery facing surface 102 is disposed between the lowermost portion of the base 14 and the upper surface 58 of the column 18. In the illustrated embodiment, the battery facing surface 102 is adjacent the supply tank support surface 74 and farther from the lowermost portion of the base 14, along the vertical longitudinal axis A2, than the recovery tank support surface 78. Unlike the supply tank support surface 74 and the recovery tank support surface 78, the battery facing surface 102 is sloped toward the column 18. The slope of the battery facing surface 102 is configured to aid in directing fluid that may have collected during operation of the surface cleaner 10 toward the recovery tank support surface 78 and, therefore, away from electrical components of the battery 98. The battery facing surface 102 also includes an edge 104 that is rounded-over to further aid in directing fluid toward the recovery tank support surface 78. In some embodiments, the battery facing surface 102 is sloped toward the recovery tank support surface 78, and in some embodiments, the battery facing surface 102 is sloped toward the recovery tank support surface 78 and the column 18. The recovery tank support surface 78 may include drainage features and a reservoir to collect the fluid directed toward the recovery tank support surface 78.

[0024] With reference to FIGS. 2-3, the column 18 includes the battery mount 100 and a battery terminal 106 for electrically and mechanically coupling the battery 98 to the second lateral side 34 of the surface cleaner 10. In the illustrated embodiment, the battery mount 100 is proximate the second lateral side 34 of the surface cleaner 10 between the supply tank 42 and the recovery tank 46, and the battery 98 is coupled to the column 18 by the battery mount 100. In other words, the battery 98 forms a portion of the outer side wall (e.g., perimeter) of the surface cleaner 10 between the second ends 44, 48 of the supply tank 42 and the recovery tank 46. Due to the battery 98 being coupled to the column 18 and forming a portion of the outer side wall, the battery 98 is not intersected by the plane P1 and is not intersected by either the horizontal longitudinal axis A1 or the vertical longitudinal axis A2 (FIG. 6). The portion of the outer side wall formed by the battery 98 is oriented transverse to the outer rear wall 90 and to the outer front wall 94 and is

between the outer rear wall 90 and the outer front wall 94. The battery terminal 106 is oriented such that the battery 98 is selectively coupled to the surface cleaner 10 by movement in a direction parallel to the vertical longitudinal axis A2. More particularly, the movement of the battery 98 in a direction from the top side 38 toward the battery facing surface 102 couples the battery 98 to the surface cleaner 10, and movement of the battery 98 away from the battery facing surface 102 and toward the top side 38 disengages the battery 98 from the surface cleaner 10. When the battery 98 is coupled to the surface cleaner 10, electrical terminals 110 engage the battery 98 to transmit power from the battery 98 to the surface cleaner 10. The battery mount 100 and the battery terminal 106 are configured to cooperate with corresponding features to mechanically and electrically couple the battery to the cleaner. In the illustrated embodiment, the battery mount 100 includes securement rails 114 configured to engage the battery 98 to couple the battery 98 to the surface cleaner 10. The securement rails 114 align the battery 98 with the electrical terminals 110 and provide a structure for the battery 98 to be secured to. A user slides the battery 98 along the securement rails 114 when removing the battery 98 from the surface cleaner 10. In other embodiments, the battery mount 100 and the battery terminal 106 are configured to couple the battery 98 to the surface cleaner 10 by movement in a direction that is not parallel to the vertical longitudinal axis A2, such as, for example, transverse or perpendicular to the vertical longitudinal axis A2, in a pivotal movement toward the cleaner, or other mounting configurations adapted to couple the battery selected for the application.

[0025] With reference to FIG. 1, the battery 98 includes an actuator 118 graspable by a user to allow the battery 98 to move along the securement rails 114. The illustrated actuator 118 includes two opposed buttons that, when depressed, disengage from the securement rails 114 of the battery terminal 106. In some embodiments, the actuator 118 may be a single button or a rotational handle, rather than dual opposed buttons. When the battery 98 is coupled to the main body 12, the battery 98 is oriented such that the actuator 118 is closer to the handle 62 than the base 14, and the opposed buttons of the actuator 118 are spaced apart in a direction parallel to the horizontal longitudinal axis A1. Furthermore, the battery 98 is positioned such that the longitudinal axis A3 of the user graspable portion 66 does not intersect with the battery 98.

[0026] With continued reference to FIG. 1, the battery 98 is positioned between the supply tank 42 and the recovery tank 46 when the battery 98, the supply tank 42, and the recovery tank 46 are coupled to the surface cleaner 10. The battery 98, the supply tank 42, and the recovery tank 46 are each individually removable from the surface cleaner 10. To accommodate removal of the battery 98 while the supply tank 42 and the recovery tank 46 are coupled to the surface cleaner 10, relief openings 122 are provided between the column 18 and the supply tank 42 and the column 18 and the recovery tank 46. The openings 122 provide space for a user to grasp the actuator 118 of the battery 98 to slide the battery 98 along the securement rails 114 and remove battery 98 from the surface cleaner 10 without requiring removal of the supply tank 42 and the recovery tank 46.

[0027] With reference to FIGS. 2 and 5, the openings 122 are defined in part by wells 126 on the column 18. The column 18 includes a well 126 proximate each button of the

actuator **118** to provide space between the column **18** and the actuator **118**. Each well **126** is formed as a depression or concavity extending into the column **18** in a direction away from the battery **98** (e.g., away from the second lateral side **34** of the surface cleaner **10**). Furthermore, each well **126** extends into the upper surface **58** of the column **18** towards the base **14**. In the illustrated embodiment, the wells **126** are connected by a shallow depression **130** that extends into the column **18**, in a direction away from the battery **98**, less than the wells **126**.

[0028] With reference to FIG. 2, the openings **122** are defined in part by notches on the supply tank **42** and the recovery tank **46**. The supply tank notch **134** extends into the supply tank **42** adjacent one of the wells **126** in the column **18**. Similarly, the recovery tank notch **136** extends into the recovery tank **46** adjacent the other well **126** in the column **18**. Each notch **134**, **136** forms a concavity in a corner of the respective tanks **42**, **46** proximate the wells **126** when the tanks **42**, **46** are coupled to the surface cleaner **10**. Together, a notch **134**, **136** and a well **126** form an opening **122**.

[0029] With reference to FIG. 7, the surface cleaner **10** includes a task light **140** to illuminate forward of the outer front wall **94**. The task light **140** includes at least one LED that, when illuminated, emits light forward of the surface cleaner **10** to illuminate the surface to be cleaned. In the illustrated embodiment, the task light **140** is disposed on the main body **12** and below the recovery tank **46** (e.g., closer to the surface than the recovery tank **46**). Furthermore, the task light **140** is positioned to be intersected by the plane P1 containing the horizontal longitudinal axis A1 and the vertical longitudinal axis A2. Furthermore, in some embodiments, the surface cleaner **10** includes an accessory flashlight **144** that is removably coupled to the surface cleaner **10**.

[0030] FIGS. 8-11 illustrate another embodiment of a surface cleaner according to the present disclosure, with like features having like reference numerals plus the letter “b” appended thereon and the following differences explained below. The surface cleaner **10b** further includes a battery cover **200** coupled to the main body **12b** to selectively enclose the battery **98b**. The battery cover **200** is rotatable between a closed position (FIG. 8) in which the battery **98b** is inaccessible by a user and an open position (FIG. 9) in which the battery **98b** is accessible by a user. More particularly, the battery cover **200** is rotatable about an axis A4 (FIG. 8) oriented parallel to the horizontal longitudinal axis A1b. A lower portion of the battery cover **200** includes a hinge **204** that is coupled to the main body **12b** below the battery facing surface **102b** to allow for rotation of the battery cover **200** relative to the main body **12b**. Therefore, when the battery cover **200** is rotated to the open position, the battery cover **200** exposes the battery **98b** from the top to allow the battery **98b** to be removed from the surface cleaner **10b**. The surface cleaner **10b** further includes a cover engagement member **208** disposed behind the battery mount **100b** (e.g., closer to a center of the column **18** than the battery mount **100b**) that selectively secures the battery cover **200** in the closed position. In the illustrated embodiment, the battery cover **200** includes a plurality of projections **212** that engage the cover engagement member **208** to secure the battery cover **200** relative to the cover engagement member **208**.

[0031] With reference to FIGS. 10 and 11, the battery mount **100b** includes an upwardly extending inner surface **216** including outwardly extending side walls **220**. The inner

surface **216** faces the battery **98b** when the battery **98b** is coupled to the cleaner **10b** and is spaced apart from the cover engagement member **208**. The space between the inner surface **216** and the cover engagement member **208** defines a channel **224** that aids in directing fluid that may have bypassed the closed battery cover **200** and collected during operation of the surface cleaner **10** away from electrical components of the battery **98b**. The channel **224** extends along a direction parallel to the horizontal longitudinal axis A1b to direct the fluid towards sides of the battery **98b**. The outwardly extending side walls **220** also aid in directing fluid away from electrical components of the battery **98b**. As fluid exits the channel **224**, the outwardly extending side walls **220** direct the fluid downward and toward the battery facing surface **102b** while maintaining the fluid outside of the battery mount **100b**.

[0032] While the battery mount **100b** has been described in relation to the surface cleaner **10b** having a battery cover **200**, the battery mount **100b** including the upwardly extending surface **216** and outwardly extending sidewalls **220** that direct fluid away from electrical components of the battery **98** may also be applied to embodiments of a surface cleaner **10** that do not include a battery cover **200**.

[0033] Although the present disclosure has been described in detail with reference to certain preferred embodiments, variations and modifications exist within the scope and spirit of one or more independent aspects of the present disclosure as described.

[0034] Various features and advantages of the present disclosure are set forth in the following claims.

What is claimed is:

1. A surface cleaner comprising:

- a main body having a base that supports the surface cleaner on a surface, the main body including a column extending from the base in a direction away from the surface and a handle positioned on an upper surface of the column opposite the base;
- a supply tank removably coupled to and supported by the base, the supply tank extending around a first portion of the column when the supply tank is coupled to the base such that a first end of the supply tank is disposed on a first side of the column and a second end of the supply tank is disposed on a second side of the column;
- a recovery tank removably coupled to and supported by the base, the recovery tank extending around a second portion of the column when the recovery tank is coupled to the base such that a first end of the recovery tank is disposed on the first side of the column and a second end of the recovery tank is disposed on the second side of the column; and
- a battery removably coupled to and supported by the main body, the battery extending along a third portion of the column,

wherein the first end of the supply tank is positioned adjacent the first end of the recovery tank, wherein the second end of the supply tank is spaced apart from the second end of the recovery tank, and wherein the battery is disposed between the second end of the supply tank and the second end of the recovery tank.

2. The surface cleaner of claim 1, wherein the handle extends from the upper surface of the column above the supply tank and the recovery tank.

3. The surface cleaner according to claim 1, wherein the battery includes an actuator configured to be grasped by a

user to remove the battery from the main body, and wherein the actuator is disposed closer to the handle than the base when the battery is coupled to the main body.

4. The surface cleaner according to claim 1, wherein the handle includes a user graspable portion, and wherein a longitudinal axis of the user graspable portion is transverse to a longitudinal axis of the column.

5. The surface cleaner of claim 4, wherein the supply tank forms an outer rear wall of the surface cleaner and the recovery tank forms an outer front wall of the surface cleaner, the outer front wall positioned opposite the outer rear wall along a horizontal longitudinal axis of the surface cleaner, wherein the longitudinal axis of the user graspable portion and the horizontal longitudinal axis of the surface cleaner define a plane, and wherein the battery is not intersected by the plane.

6. The surface cleaner of claim 5, wherein an insertion direction of the battery extends along the plane.

7. The surface cleaner according to claim 4, wherein the longitudinal axis of the user graspable portion is transverse to an insertion direction of the battery.

8. The surface cleaner according to claim 7, wherein the longitudinal axis of the column is along the insertion direction of the battery.

9. The surface cleaner according to claim 1, wherein the battery is removably coupled to and supported by the column.

10. The surface cleaner according to claim 1, wherein the base includes a battery facing surface that faces a lowermost surface of the battery when the battery is coupled to the main body, wherein the base includes a recovery tank support surface that supports a lowermost surface of the recovery tank when the recovery tank is coupled to the base, and wherein the battery facing surface is sloped toward the recovery tank support surface.

11. The surface cleaner of claim 10, wherein the battery facing surface is sloped toward the column.

12. The surface cleaner according to claim 10, wherein the battery facing surface is farther from the base along a longitudinal axis of the column than the recovery tank support surface.

13. The surface cleaner according to claim 1, wherein the recovery tank includes a lid defining a top surface of the recovery tank, and wherein a top surface of the battery extends above the lid.

14. The surface cleaner according to claim 1, wherein the first end of the supply tank is positioned closer to a center of the column than the second end of the supply tank.

15. The surface cleaner of claim 14, wherein the first end of the recovery tank is positioned closer to the center of the column than the second end of the recovery tank.

16. The surface cleaner according to claim 1, wherein the upper surface of the column includes a well proximate the

third portion to form an opening between a portion of the column and the battery, the well configured to allow a user to grasp the battery.

17. The surface cleaner of claim 1, wherein the recovery tank includes a notch proximate the battery to form an opening between a portion of the recovery tank and the battery, wherein the supply tank includes a notch proximate the battery to form an opening between a portion of the supply tank and the battery, and wherein the opening between the recovery tank and the battery and the opening between the supply tank and the battery are configured to allow a user to grasp the battery.

18. The surface cleaner of claim 17, wherein the notch in the recovery tank is formed in a top surface of the recovery tank, and wherein the notch in the supply tank is formed in a top surface of the supply tank.

19. The surface cleaner according to claim 17, wherein the upper surface of the column includes a well proximate the third portion to form an opening between a portion of the column and the battery, and wherein the well, the notch in the supply tank, and the notch in the recovery tank form a relief opening to allow a user to grasp the actuator.

20. The surface cleaner according to claim 1, further comprising a cleaning tool coupled to the main body, and a suction source disposed within the main body and in fluid communication with the cleaning tool, wherein the suction source is powered by the battery.

21. The surface cleaner according to claim 1, wherein the supply tank, the recovery tank, and the battery substantially form a perimeter of the surface cleaner.

22. The surface cleaner according to claim 1, wherein the first portion, the second portion, and the third portion form a perimeter of the column.

23. The surface cleaner according to claim 1, further comprising a battery cover rotatably coupled to the main body, the battery cover rotatable between an open position in which the battery is accessible by a user and a closed position.

24. The surface cleaner according to claim 1, wherein the main body includes a task light configured to emit light forward of the outer front wall, the task light positioned to be intersected by a plane defined by the horizontal longitudinal axis and a vertical longitudinal axis of the surface cleaner.

25. The surface cleaner of claim 24, wherein the task light includes at least one LED.

26. The surface cleaner according to claim 24, wherein the task light is integrated into the base.

27. The surface cleaner according to claim 5, wherein the battery forms at least a portion of an outer side wall of the surface cleaner, the side wall positioned between the outer front wall and the outer rear wall.

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