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

## PROVISIONAL APPLICATION FOR PATENT COVER SHEET - Page 1 of 2

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Priority Mail Express® Label No				
	INVENTO	R(S)		
Given Name (first and middle [if any])	Family Name or S	Surname	Residence (City and either State or For	eign Country)
Additional inventors are being named on the	separa	ately numbered she	ets attached hereto.	,
TITLE OF	THE INVENTION (	500 characters	nax):	
Direct all correspondence to:	CORRESPONDEN	ICE ADDRESS		
The address corresponding to Customer Number:				
OR				
Firm or Individual Name				
Address				
City	State		Zip	
Country	Telephone		Email	
,		<b>TO ( ) . ! !!!!</b>		
Application Data Sheet. See 37 CFR 1.76.	APPLICATION PAR		CDs	
Drawing(s) Number of Sheets	F	_		
Specification (e.g., description of the invention	_	_		
Fees Due: Filing Fee of \$300 (\$120 for small entian application size fee is also due, which is \$420 (\$10 thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s	ty) (\$60 for micro entity 58 for small entity) (\$84	). If the specification	9	
METHOD OF PAYMENT OF THE FILING FEE	AND APPLICATION SI	ZE FEE FOR THIS PE	OVISIONAL APPLICATION FO	)R PATENT
Applicant asserts small entity status. See 37 C				
Applicant certifies micro entity status. See 37 Applicant must attach form PTO/SB/15A or B or equ				
A check or money order made payable to the and Trademark Office is enclosed to cover the			able). <b>TOTAL FEE AM</b>	OUNT (\$)
Payment by credit card. Form PTO-2038 is attac		- ( - bb	,	.,,
The Director is hereby authorized to charge th	e filing fee and applica	tion size fee (if appl	icable) or credit any overpayme	ent to Deposit
Account Number:				

#### USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0032. Public burden for this form is estimated to average 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. If filing this completed form by mail, send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

# PROVISIONAL APPLICATION FOR PATENT COVER SHEET - Page 2 of 2

Government. (NOTE: Providing this information on a pro (Form PTO/SB/16), does not satisfy the requirement of 3	tes Government or under a contract with an agency of the United States ovisional cover sheet, such as this Provisional Application for Patent Cover Sheet 35 U.S.C. 202(c)(6), which requires that the <i>specification</i> contain a statement at support and that the Government has certain rights in the invention.)
No.	
Yes, the invention was made by an agency of the U	J.S. Government. The U.S. Government agency name is:
Yes, the invention was made under a contract with	an agency of the U.S. Government.
The contract number is:	
The U.S. Government agency name is:	
	401.14(f)(4), the specifications of any United States patent applications and any united the enclosed provisional application, must state the following:
"This invention was made with government s AGENCY]. The government has certain rights	support under [IDENTIFY THE CONTRACT] awarded by [IDENTIFY THE FEDERAL in the invention."
	WARNING:
contribute to identity theft. Personal information so numbers (other than a check or credit card authorist the USPTO to support a petition or an application. If the USPTO, petitioners/applicants should consider them to the USPTO. Petitioner/applicant is advised publication of the application (unless a non-publication is referenced in a published application.	In g personal information in documents filed in a patent application that may uch as social security numbers, bank account numbers, or credit card zation form PTO-2038 submitted for payment purposes) is never required by f this type of personal information is included in documents submitted to redacting such personal information from the documents before submitting that the record of a patent application is available to the public after tion request in compliance with 37 CFR 1.213(a) is made in the application) or an abandoned application may also be available to the public if the or an issued patent (see 37 CFR 1.14). Checks and credit card authorization are not retained in the application file and therefore are not publicly
Signature	DATE
TYPED OR PRINTED NAME	REGISTRATION NO(if appropriate)
TELEPHONE	DOCKET 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. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf

Routine uses of the information in this record may include disclosure to: 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law; 2) a Federal, state, local, or international agency, in response to its request; 3) a contractor of the USPTO having need for the information in order to perform a contract; 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record; 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record; 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations; 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals; 8) 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)); 9) the Office of Personnel Management (OPM) for personnel research purposes; and 9) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

### **Additional Uses**

Additional USPTO uses of the information in this record may include disclosure to: 1) the International Bureau of the World Intellectual Property Organization, if the record is related to an international application filed under the Patent Cooperation Treaty; 2) the public i) after publication of the application pursuant to 35 U.S.C. 122(b), ii) after issuance of a patent pursuant to 35 U.S.C. 151, iii) 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, or iv) without publication of the application or patent under the specific circumstances provided for by 37 CFR 1.14(a)(1)(v)-(vii); and/or 3) the National Archives and Records Administration, for inspection of records.