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			
	INVENTOR(S)		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)	
Additional inventors are being named on the	separately numb	pered sheets attached hereto.	
	INVENTION (500 char		
Direct all correspondence to: CORRESPONDENCE ADDRESS			
The address corresponding to Customer Number:			
OR Firm or			
Individual Name			
Address			
City	State	Zip	
Country	Telephone	Email	
ENCLOSED APPLICATION PARTS (check all that apply)			
Application Data Sheet. See 37 CFR 1.76.	CD(s), N	lumber of CDs	
Drawing(s) Number of Sheets	Other (s	specify)	
Specification (e.g., description of the invention)	Number of Pages		
Fees Due: Filing Fee of \$325 (\$130 for small entity) (paper, an application size fee is also due, which is \$450 (fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.1	\$180 for small entity) (\$90 for	=	
METHOD OF PAYMENT OF THE FILING FEE AND	APPLICATION SIZE FEE FOR	R THIS PROVISIONAL APPLICATION FOR PATENT	
Applicant asserts small entity status. See 37 CFR 1			
Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent.			
A check or money order made payable to the <i>Direct</i> and <i>Trademark Office</i> is enclosed to cover the filing			
Payment by credit card. Form PTO-2038 is attached.			
The Director is hereby authorized to charge the fili	ing fee and application size fe	ee (if applicable) or credit any overpayment 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 18 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.

PTO/SB/16 (01-25)
Approved for use through 11/30/2027. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 2 of 2

Government. (NOTE: Providing this information of (Form PTO/SB/16), does not satisfy the requirem	ted States Government or under a contract with an agency of the United States on a provisional cover sheet, such as this Provisional Application for Patent Cover Sheet ent of 35 U.S.C. 202(c)(6), which requires that the specification contain a statement ernment support and that the Government has certain rights in the invention.)
□ No.	
Yes, the invention was made by an agency of	of the U.S. Government. The U.S. Government agency name is:
Yes, the invention was made under a contra	act with an agency of the U.S. Government.
The contract number is:	
The U.S. Government agency name is:	
	37 CFR 401.14(f)(4), the specifications of any United States patent applications and any on, including the enclosed provisional application, must state the following:
''This invention was made with govern AGENCY]. The government has certain	nment support under [IDENTIFY THE CONTRACT] awarded by [IDENTIFY THE FEDERAL rights in the invention."
	WARNING:
contribute to identity theft. Personal informal numbers (other than a check or credit card at the USPTO to support a petition or an applicate USPTO, petitioners/applicants should conthem to the USPTO. Petitioner/applicant is a publication of the application (unless a non-or issuance of a patent. Furthermore, the reapplication is referenced in a published application.	bmitting personal information in documents filed in a patent application that may ation such as social security numbers, bank account numbers, or credit card uthorization form PTO-2038 submitted for payment purposes) is never required be ation. If this type of personal information is included in documents submitted to insider redacting such personal information from the documents before submitting dvised that the record of a patent application is available to the public after publication request in compliance with 37 CFR 1.213(a) is made in the application) cord from an abandoned application may also be available to the public if the dication or an issued patent (see 37 CFR 1.14). Checks and credit card authorization posses are not retained in the application file and therefore are not publicly
SIGNATURE	DATE
TYPED OR PRINTED NAME	REGISTRATION NO(if appropriate)
TELEDHONE	DOCKET NITIMBED

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
- 10) 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.