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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).

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	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 nun	nbered sheets attached hereto.	
	THE INVENTION (500 cha		
Direct all correspondence to: CORRESPONDENCE ADDRESS			
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ENCLOSED APPLICATION PARTS (check all that apply) Application Data Sheet. See 37 CFR 1.76. CD(s), Number of CDs			
Application Data Sheet. See 37 CFR 1.76.	느		
Drawing(s) Number of Sheets	_	(specify)	
Specification (e.g., description of the invention			
an application size fee is also due, which is \$420 (\$21 thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s	LO for small entity) (\$105 for mic	specification and drawings exceed 100 sheets of paper, cro entity) for each additional 50 sheets or fraction	
METHOD OF PAYMENT OF THE FILING FEE A	AND APPLICATION SIZE FEE FO	OR THIS PROVISIONAL APPLICATION FOR PATENT	
Applicant asserts small entity status. See 37 Cl			
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			
Payment by credit card. Form PTO-2038 is attached.			
The Director is hereby authorized to charge th	e filing fee and application size	fee (if applicable) or credit any overpayment to Deposit	
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USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. 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 10 hours 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.

PTO/SB/16 (10-20)

Approved for use through 11/30/2020. OMB 0651-0032

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PROVISIONAL APPLICATION FOR PATENT COVER SHEET - Page 2 of 2

The invention was made by an agency of the United States Government Government. (NOTE: Providing this information on a provisional covers (Form PTO/SB/16), does not satisfy the requirement of 35 U.S.C. 202(c)(specifying that the invention was made with Government support and the specifying that the invention was made with Government support and the specifying that the invention was made with Government support and the specific spe	heet, such as this Provisional Application for Patent Cover Sheet (6), which requires that the <i>specification</i> contain a statement
No. Yes, the invention was made by an agency of the U.S. Government	t The IIIS Government agency name is:
	The 0.3. Government agency hame is.
Yes, the invention was made under a contract with an agency of the	ne U.S. Government.
The contract number is:	
The U.S. Government agency name is:	
In accordance with 35 U.S.C. 202(c)(6) and 37 CFR 401.14(f)(4), the patent issuing thereon covering the invention, including the enclose	
''This invention was made with government support under [I AGENCY]. The government has certain rights in the invention	IDENTIFY THE CONTRACT] awarded by [IDENTIFY THE FEDERAL ."
WARN	ING:
Petitioner/applicant is cautioned to avoid submitting personal information such as social so numbers (other than a check or credit card authorization form PT the USPTO to support a petition or an application. If this type of pthe USPTO, petitioners/applicants should consider redacting such them to the USPTO. Petitioner/applicant advised that the recorpublication of the application (unless a non-publication request in or issuance of a patent. Furthermore, the record from an abando application is referenced in a published application or an issued pforms PTO-2038 submitted for payment purposes are not retained available.	ecurity numbers, bank account numbers, or credit card fo-2038 submitted for payment purposes) is never required by personal information is included in documents submitted to a personal information from the documents before submitting rd of a patent application is available to the public after a compliance with 37 CFR 1.213(a) is made in the application) application may also be available to the public if the patent (see 37 CFR 1.14). Checks and credit card authorization
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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 counselin 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.
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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 maybe 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.