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1061636

THE UNITED STATES OF AMERICA

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United States Patent and Trademark Office

April 05, 2020

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APPLICATION NUMBER: 62/826,712

FILING DATE: *March 29, 2019*

RELATED PCT APPLICATION NUMBER: *PCT/US20/24705*

THE COUNTRY CODE AND NUMBER OF YOUR PRIORITY APPLICATION, TO BE USED FOR FILING ABROAD UNDER THE PARIS CONVENTION, IS *US62/826,712*



Certified by

Anders Iversen

Under Secretary of Commerce
for Intellectual Property
and Director of the United States
Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	35579491
Application Number:	62826712
International Application Number:	
Confirmation Number:	9016
Title of Invention:	CLIP is an all in one, universal and portable e-motor for bicycles.
First Named Inventor/Applicant Name:	Somnath Ray
Correspondence Address:	Somnath Ray 224 Garfield place, Apt #1 Brooklyn, brooklyn NY 11215 US 4152486777 som@clip.bike
Filer:	clement de alcala
Filer Authorized By:	
Attorney Docket Number:	
Receipt Date:	29-MAR-2019
Filing Date:	
Time Stamp:	18:21:52
Application Type:	Provisional

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Submitted with Payment	yes
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RAM confirmation Number		040119INTEFSW18245501			
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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	Application Data Sheet	WebADS.pdf	122603	no	7
			a542fe83c66825c09237b8663ead546c8748b5af		
Warnings:					
Information:					
2		Specification_Drawings_CLIP.pdf	467983	yes	9
			16fc3b115a8c7333ef96aacb5fd49526ca213649		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Drawings-only black and white line drawings		5	9	
	Specification		1	4	
Warnings:					
Information:					
3	Provisional Cover Sheet (SB16)	sb0016_clip.pdf	284600	no	3
			52e784ae37fec93167923b557961bd03386f5674		
Warnings:					
This is not a USPTO supplied Provisional Cover Sheet SB16 form.					
Information:					
4	Certification of Micro Entity (Gross Income Basis)	Somnath_Ray_Micro.pdf	100878	no	2
			173778951f8e0903558f0bfecc45b26d21301043		
Warnings:					

Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	29289	no	2
			72760d2c546320ce36c7df02982c4043d12d50e9		
Warnings:					
Information:					
Total Files Size (in bytes):			1005353		
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.					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	
		Application Number	
Title of Invention	CLIP is an all in one, universal and portable e-motor for bicycles.		
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.			

Secrecy Order 37 CFR 5.2:

☐	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.)
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Inventor Information:

Inventor 1					
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
Mr.	Somnath		Ray		
Residence Information (Select One)					
☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Brooklyn	State/Province	NY	Country of Residence ⁱ	US
Mailing Address of Inventor:					
Address 1		224 Garfield place			
Address 2		Apt #1			
City	New York	State/Province	NY		
Postal Code	11215	Country ⁱ	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add					

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).					
☒ An Address is being provided for the correspondence information of this application.					
Name 1	Somnath	Name 2	Ray		
Address 1	224 Garfield place,				
Address 2	Apt #1 Brooklyn,				
City	brooklyn	State/Province	NY		
Country ⁱ	US	Postal Code	11215		
Phone Number	4152486777	Fax Number			
Email Address	som@clip.bike	Add Email		Remove Email	
Email Address	clement@clip.bike	Add Email		Remove Email	

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	
		Application Number	
Title of Invention	CLIP is an all in one, universal and portable e-motor for bicycles.		

Application Information:

Title of the Invention	CLIP is an all in one, universal and portable e-motor for bicycles.		
Attorney Docket Number		Small Entity Status Claimed	☒
Application Type	Provisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	5	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

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:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)		
Customer Number	4091981				
Prefix	Given Name	Middle Name	Family Name	Suffix	Remove
Registration Number					

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	
		Application Number	
Title of Invention	CLIP is an all in one, universal and portable e-motor for bicycles.		

Prefix	Given Name	Middle Name	Family Name	Suffix	Remove
Registration Number					
Additional Representative Information blocks may be generated within this form by selecting the Add button.					

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			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
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) 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 ⁱ (if applicable)
	US		
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.
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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	
		Application Number	
Title of Invention	CLIP is an all in one, universal and portable e-motor for bicycles.		

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.

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	
		Application Number	
Title of Invention	CLIP is an all in one, universal and portable e-motor for bicycles.		

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.

- ☐ 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:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	Somnath		Ray	

Mailing Address Information For Applicant:

Address 1	224 Garfield place,			
Address 2	Apt #1 Brooklyn,			
City	New York	State/Province	NY	
Country ¹	US	Postal Code	11215	
Phone Number	4152486777	Fax Number		
Email Address				

Additional Applicant Data 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	
		Application Number	
Title of Invention	CLIP is an all in one, universal and portable e-motor for bicycles.		

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.

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. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	clement		de alcala	
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1		224 Garfield place,		
Address 2		Apt #1 Brooklyn,		
City		New York	State/Province	NY
Country i	US		Postal Code	11215
Phone Number		9292642441	Fax Number	
Email Address		clement@clip.bike		
Additional Assignee or Non-Applicant Assignee Data 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	
		Application Number	
Title of Invention	CLIP is an all in one, universal and portable e-motor for bicycles.		

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	/Somnath Ray/			Date (YYYY-MM-DD)	
First Name	Somnath	Last Name	Ray	Registration Number	4091981
Additional Signature may be generated within this form by selecting the Add button.					

Drawings

Description:

FIGURE 1 is a left side view thereof

FIGURE 2 is a bottom perspective left side view thereof

FIGURE 3 is a top view thereof

FIGURE 4 is a top perspective view thereof

FIGURE 5 is a top view thereof

FIGURE 1

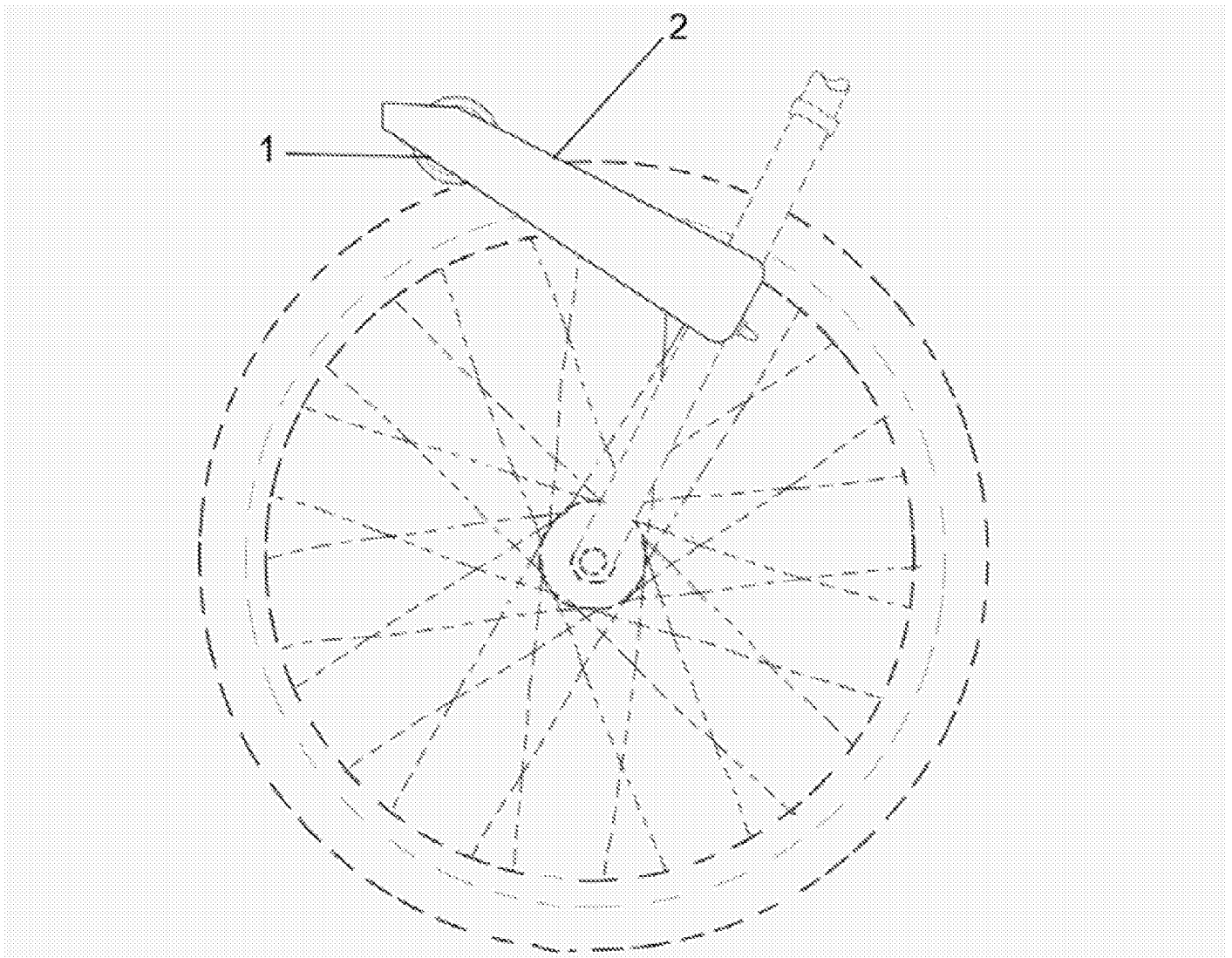


FIGURE 2

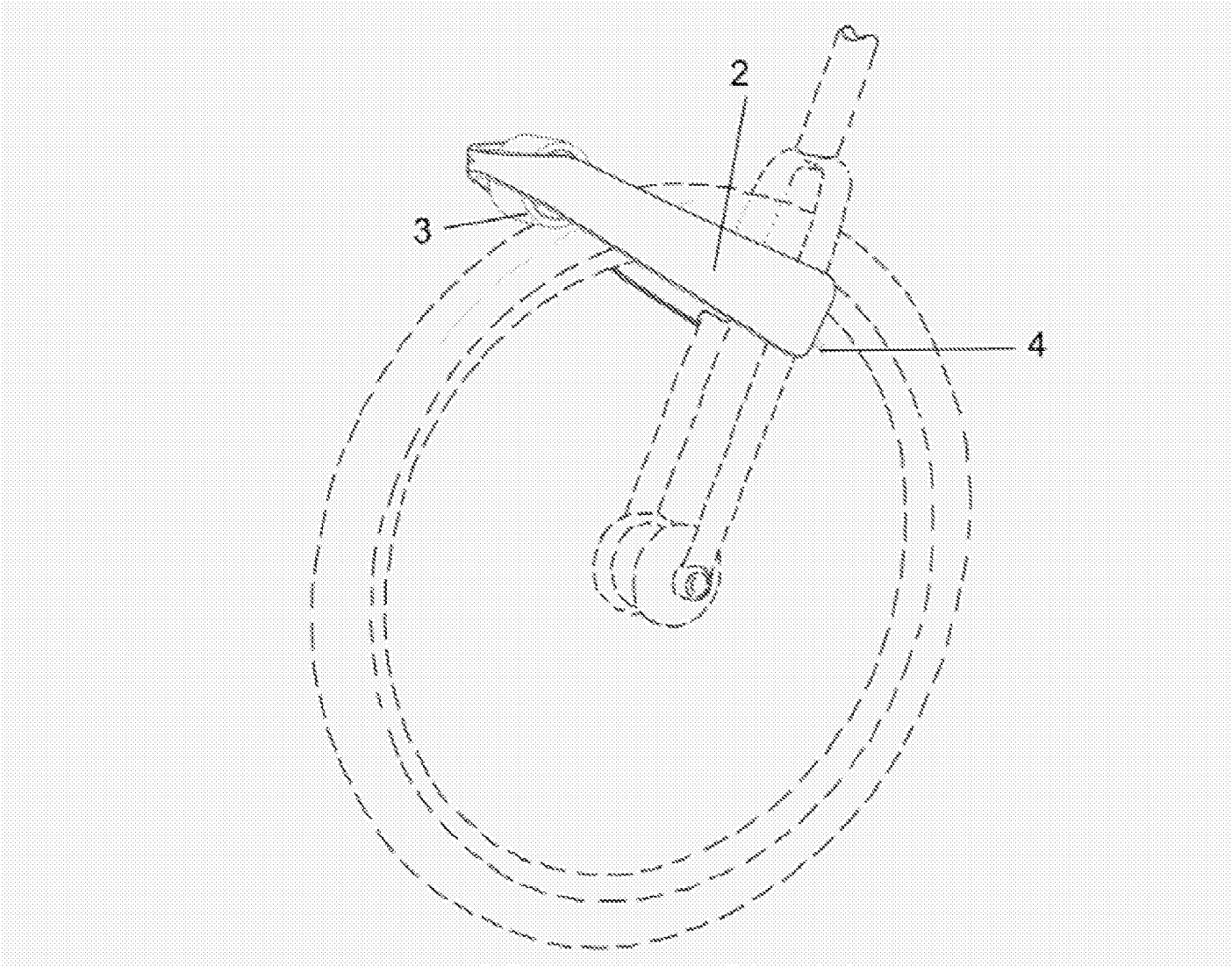


FIGURE 3

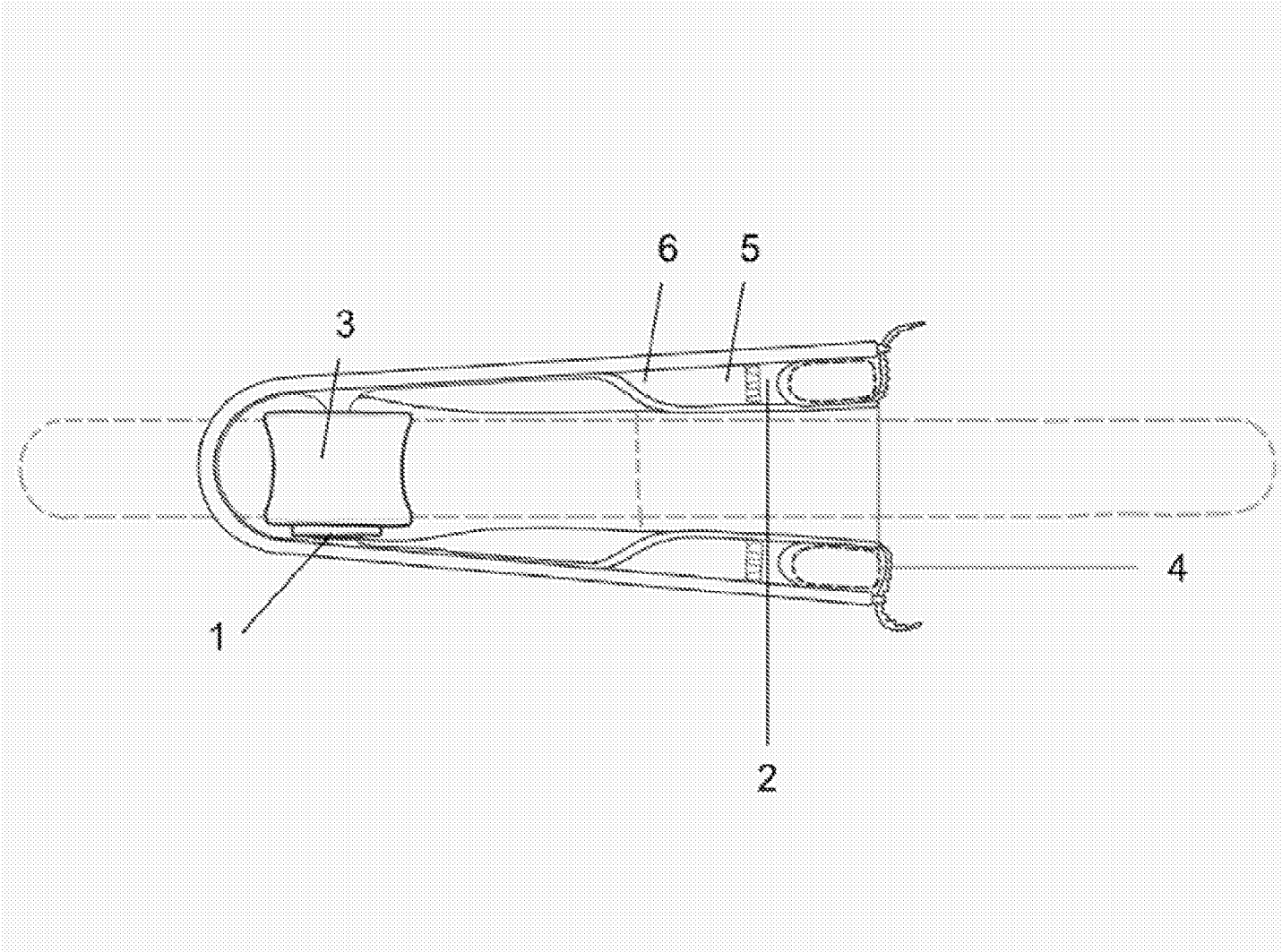


FIGURE 4

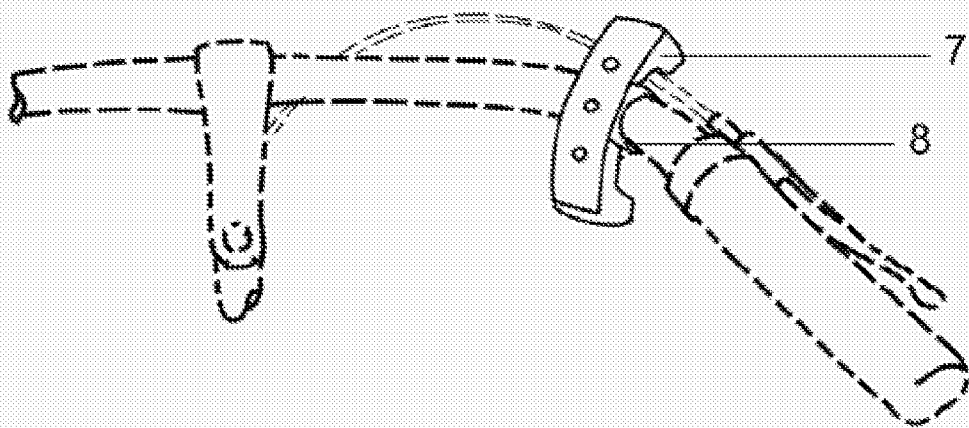
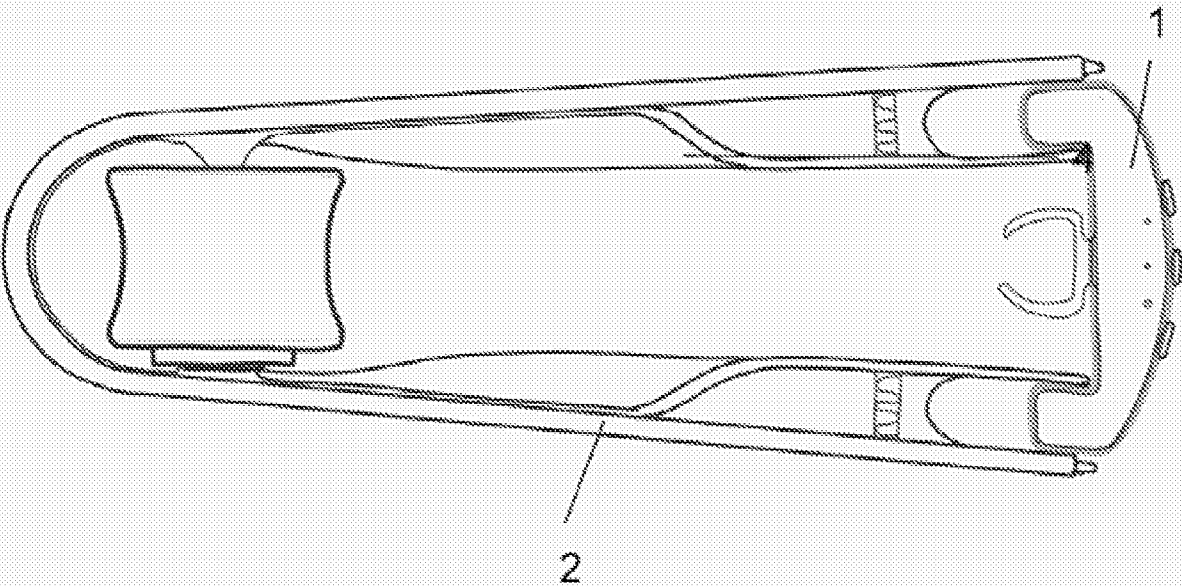


FIGURE 5



SPECIFICATION

TITLE OF THE INVENTION

CLIP is an all in one, universal and portable e-motor for bicycles.

BRIEF DESCRIPTION OF THE INVENTION

CLIP device consists of a friction drive electric motor, activated by pulse signal generated by a battery and regulated via an electronic controller, mounted on the same adjustable arm.

CLIP device can be easily attached/detached to different front fork sizes and designs with a clamping jaw mechanism, without requiring any previous installation on any part of the bicycle frame. The device's arm can be manually adjustable to be used with different sizes of front wheel.

CLIP electronic controller transmits to the electric motor, fast changes in the amplitude of supply, alternating short phases of high power and phases of no power, to optimize the use of the battery. The electronic controller also provides data via bluetooth, to a mobile app.

GOAL OR PURPOSE OF THE INVENTION

As is known, drive assist devices generally require permanent or semi-permanent installation on the frame of conventional bicycles. Friction drive system usually require to mount an e-motor wired to a battery or alternatively a permanent dock to attach one of several removable parts on the frame of the bicycle. Wheel drive assist systems consist in replacing the entire front or rear wheel of the bike. These installations generate important and permanent transformations of the bicycle which may negatively impact the biking experience, especially for bike commuters, by adding new constraints in terms of convenience, aesthetics, safety, and cost.

As is known, drive assist devices generally operates with consistent supply. Providing

a consistent supply to the electric motor requires a continuous use of the battery. This type of functioning usually requires large capacity battery packs which increases the weight, the cost and time to recharge the battery while limiting battery life cycle.

As a result, drive assist devices remain marginally used and the launch of different drive assist devices, usually expensive and cumbersome, did not generate a significant increase in the use of bikes, especially for commuting purpose.

The objective of the invention is to remove the usual disadvantages associated with the use of drive assist devices, described above. The invention aims to make the use of drive assist devices more convenient, especially for bike commuters, by maximizing the portability while limiting the cost of the device.

The invention is an all in one, lightweight and compact device, that does not require any previous installation on the frame to be quickly installed on any bike. The invention aims to lower the risk of theft by being entirely and instantly removable from the bike when it is parked. The invention also runs on pulse signal instead of consistent supply, so it requires lower capacity batteries. The invention is composed of easy-to-assemble and economical components, and especially a lower capacity battery pack, to make the device inexpensive and broadly accessible. Finally, the invention also includes a mobile app that receives data from the electronic controller as well as other sensors of the phone.

DETAILED DESCRIPTION OF THE INVENTION

FIGURE 1 is a left side view of the present invention to show how the electric motor (1) is designed to be entirely and instantly attachable and detachable to the front fork of the bike by an adjustable arm (2), without requiring any previous installation on any part of the frame.

FIGURE 2 is a bottom perspective left side view of the present invention to show how the friction drive system operates by creating a contact between the roller (3) and the front tyre. An optimal contact is obtained and maintained during use, by tightening the adjusting the arm (2) to the front fork of the bicycle using the clamping jaw (4).

FIGURE 3 is a top view of the present invention to show the different physical parts of the device: an electric motor (1), an adjustable arm (2), a clamping jaw mechanism (4), a battery (5), an electronic controller system (6).

An electric motor pack (1):

The electric motor pack is composed of an electric motor (1) combined with a rubber roller (3), or similar material. When supplied with power, the motor activates the rotation of the roller that engages the rotation of the front wheel by friction on the tyre. Different motor speeds can be set to accelerate the rotation of the roller and so accelerate the rotation of the front wheel. When the motor is not activated, the roller spins freely on the tyre, with minimum friction. The motor is optimized to run on pulse signal, alternating short phases of high power and phases of no power. Motor and roller are mounted on the endpoint of the adjustable arm.

An adjustable arm (2):

The adjustable arm (2) supports the case comprising the battery and the electronic controller unit, as well as the electric motor pack. The length of the arm can be manually adjusted by sliding the front fork of the bike in the channel at the back of the arm. The arm is tightened in its position by a spring mechanism, in order to ensure an ideal contact between the roller and the tyre. The arm is made of aluminium or similar material to limit weight and ease heat dissipation.

A clamping jaw (4):

The U-shaped clamping jaw (4), is equipped with an adjustable closure system to match different fork sizes and designs. The closure system is composed of a rod fitting into a serrated opening. Advantage of this clamping jaw includes no need of previous installation or tool to tighten the device on nearly any fork.

A battery pack (5):

A Li-ion battery (5) capable of powering the electric motor is wired to the motor pack via the electronic controller system. When activated, and on demand of the electronic controller only, the battery powers the electric motor. The battery can be recharged from a common AC power supply. Battery, motor and electronic controller unit are mounted close together on a single support, only a short connector is required to connect them together.

An electronic controller system (6):

The electronic controller system (6) is composed of an electronic controller mounted on the arm of the device and a throttle or a pedal assist sensor or similar sensor, clipped on handlebar or pedal of the bike. Receiving the input from the throttle or pedal assist sensor, connected via bluetooth, the electronic control unit is capable of managing the delivery of power generated from the battery to the electric motor. The electronic controller is set by software to operate only on pulse signal, transmitting to the electric motor, fast changes in the amplitude of supply generated by the battery. After an increase of supply, the controller immediately stops transmitting power to the electric motor.

The device also includes a connected mobile App:

The Android and iOS mobile App receives data via bluetooth, from the electronic controller of the device and other sensors of the phone. The mobile App can feature advanced options such as Co2 footprint tracking, ride video upload and share, and community building and gamified goals, depending on the sensors connected.

FIGURE 4 is a top perspective view of the present invention to show how the external throttle unit (7) can be clipped on the handlebar with a flexible-plastic, open ring (8) or similar basic clipping system. Similarly, a pedal sensor unit or other sensor can be clipped on the pedal or any other part of the frame of the bicycle. Once the throttle is clipped on the handlebar, or another part of the frame of the bicycle, a magnetic connection allows to automatically turn on the device, once the throttle is unclipped from the handlebar or another part of the frame and the magnetic connection is stopped, the device is automatically turned off. The rider can activate the electric motor, using the external throttle unit or a pedal assist sensor or other similar sensor, connected via bluetooth to the electronic controller. The controller delivers the power to the electric motor through pulse signal, as described in the electronic controller unit section (FIGURE 2).

FIGURE 5 is a top view of the present invention to show the different physical parts of the device when it is not used. Once use is resumed, the device can be detached from the front fork by releasing the clamping jaw. The throttle (7) or pedal sensor or similar sensor can be attached to the back part of the adjustable arm (2), to make the device less cumbersome and all in one. The device can be connected to the power supply to recharge the battery for further use. The mobile app, connected to the electronic controller integrated in the device and other sensors of the phone, allows riders to access and share the data collected during their journey.

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)
Somnath	Ray	Brooklyn, New York
Additional inventors are being named on the _____ separately numbered sheets attached hereto.		
TITLE OF THE INVENTION (500 characters max):		
CLIP is an all in one, universal and portable e-motor for bicycles.		
Direct all correspondence to: CORRESPONDENCE ADDRESS		
☒ The address corresponding to Customer Number: 4091981		
OR		
☐ Firm or ☐ Individual Name		
Address 224 Garfield place, Apt #1		
City Brooklyn	State NY	Zip 11215
Country United States	Telephone 4152486777	Email som@clip.bike
ENCLOSED APPLICATION PARTS (check all that apply)		
☒ Application Data Sheet. See 37 CFR 1.76. ☐ CD(s), Number of CDs _____		
☒ Drawing(s) Number of Sheets 5 ☐ Other (specify) _____		
☒ Specification (e.g., description of the invention) Number of Pages 4		
Fees Due: Filing Fee of \$280 (\$140 for small entity) (\$70 for micro entity). If the specification and drawings exceed 100 sheets of paper, an application size fee is also due, which is \$400 (\$200 for small entity) (\$100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).		
METHOD OF PAYMENT OF THE FILING FEE AND APPLICATION SIZE FEE FOR THIS PROVISIONAL APPLICATION FOR PATENT		
☐ Applicant asserts small entity status. See 37 CFR 1.27.		
☒ 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>Director of the United States Patent and Trademark Office</i> is enclosed to cover the filing fee and application size fee (if applicable).		
☒ Payment by credit card. Form PTO-2038 is attached.		
☐ The Director is hereby authorized to charge the filing fee and application size fee (if applicable) or credit any overpayment to Deposit Account Number: _____		
70 TOTAL FEE AMOUNT (\$)		

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.**

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

PROVISIONAL APPLICATION FOR PATENT COVER SHEET – Page 2 of 2

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government. (NOTE: Providing this information on a provisional cover sheet, such as this Provisional Application for Patent Cover Sheet (Form PTO/SB/16), does not satisfy the requirement of 35 U.S.C. 202(c)(6), which requires that the *specification* contain a statement specifying that the invention was made with Government support and that the Government has certain rights in the invention.)



No.



Yes, the invention was made by an agency of the U.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: _____

In accordance with 35 U.S.C. 202(c)(6) and 37 CFR 401.14(f)(4), the specifications of any United States patent applications and any patent issuing thereon covering the invention, including the enclosed provisional application, must state the following:

“This invention was made with government support under [IDENTIFY THE CONTRACT] awarded by [IDENTIFY THE FEDERAL AGENCY]. The government has certain rights in the invention.”

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.

SIGNATURE /Somnath Ray/ DATE 03/30/2019TYPED OR PRINTED NAME Somnath Ray REGISTRATION NO. _____
(if appropriate)TELEPHONE 4152486777 DOCKET NUMBER _____

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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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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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