

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
Name			Execution Date
MR SABYASACHI HALDAR			09/15/2016
RECEIVING PARTY DATA			
Name:	FREE ELECTRON ELECTRICALS PRIVATE LIMITED		
Street Address:	A47/1 SRINAGAR EAST		
Internal Address:	POST - PANCHPOTA		
City:	KOLKATA		
State/Country:	INDIA		
Postal Code:	700152		
PROPERTY NUMBERS Total: 2			
Property Type	Number		
Patent Number:	9307662		
Application Number:	15109447		
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DATE SIGNED:	09/15/2016		
This document serves as an Oath/Declaration (37 CFR 1.63).			
Total Attachments: 3			
source=Patent Assinments Documents#page1.tif			
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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

SABYASACHI HALDAR

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 15 SEPTEMBER 2016

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

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POST - PANCHPOTA

City: KOLKATA

State: WEST BENGAL

Country: INDIA Zip: 700152

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

13/583,932

15/109447

☐ This document is being filed together with a new application.

B. Patent No.(s)

US 9,307,662 B2

Additional numbers attached? ☐ Yes ☒ No

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Docket Number: _____

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6. Total number of applications and patents involved: TWO (02)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- ☐ Authorized to be charged to deposit account
☐ Enclosed
☒ None required (government interest not affecting title)

8. Payment Information

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9. Signature:

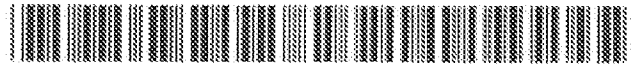
Sabyasachi Haldar
Signature

15th Sept. 2016
Date

SABYASACHI HALDAR
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Total number of pages including cover sheet, attachments, and documents:

03



U5009307662B2

(12) **United States Patent**
Haldar(10) **Patent No.:** **US 9,307,662 B2**
(45) **Date of Patent:** **Apr. 5, 2016**(54) **FREE ELECTRON WIRE**(76) **Inventor:** **Sabyasachi Haldar, Kolkata (IN)**
(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 731 days.(31) **Appl. No.:** **13/583,932**(22) **PCT Filed:** **Feb. 13, 2012**(86) **PCT No.:** **PCT/IN2012/000094**

§ 371(c)(1).

(2), (4) **Date:** **Sep. 11, 2012**(87) **PCT Pub. No.:** **WO2013/042136****PCT Pub. Date:** **Mar. 28, 2013**(65) **Prior Publication Data****US 2013/0098655 A1** **Apr. 25, 2013**(30) **Foreign Application Priority Data****Sep. 20, 2011 (IN)** **1224/KOL/2011**(51) **Int. Cl.**
H05K 5/06 (2006.01)
H01R 13/02 (2006.01)
H01B 13/00 (2006.01)
H01L 39/00 (2006.01)(52) **U.S. Cl.**
CPC **H05K 5/06** (2013.01); **H01B 13/00** (2013.01); **H01L 39/005** (2013.01); **H01R 13/02** (2013.01)(58) **Field of Classification Search**
CPC **H05K 5/06**; **H05K 5/065**; **H01B 13/00**; **H01B 13/005**; **H01J 21/00**; **H01J 21/02**; **H01L 39/00**; **H01L 39/02**; **H01L 39/005**; **H01R 13/02**; **H01R 13/00**; **H01R 13/005**
USPC **174/9 R**, **8**, **68.1**, **251**, **125.1**, **126.1**, **174/50.52**, **50.5**, **313/305**, **306**, **307**, **303**, **3**, **62/3.1**; **439/884**, **890**

See application file for complete search history.

(50) **References Cited****U.S. PATENT DOCUMENTS****4,719,388 A *** **3/1988** **Oss** **H01J 31/126**
3,024,050 A * **6/1991** **Noble** **125B 1A0**
62/3.1

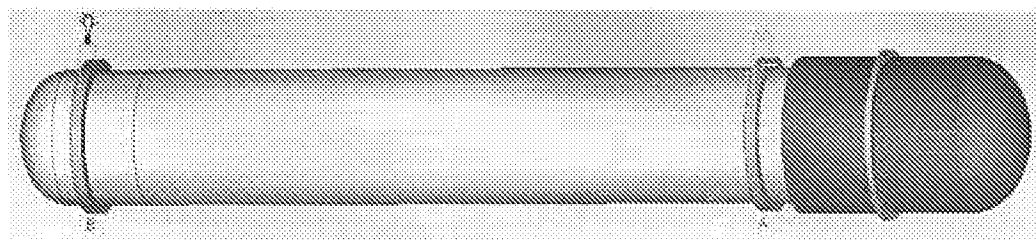
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CN **1705239 A** **12/2009**

(Continued)

Primary Examiner — **Angel B Estrada**(57) **ABSTRACT**

This invention relates to New Free Electrons Wire (4a, b), which will enable the use of electrical energy and also energy in various other forms in a loss free way at room temperature. Free Electrons confined in vacuum (4a₁) at the order of 10⁻³ torr or more, at the core of the wire, can move a distance as long as about, to a few kilometers without any collision. The vacuum is maintained in a tube made up of alternate layers of Teflon (4a₂) and Silicon Oxynitride (4a₃). The columbic repulsion between these free electrons (4b₁, 4b₂, 4b₃, ...) will actually conduct energy without any loss. The free electrons trapped in vacuum tube (4a), should be at a particular density of around 2.02×10¹⁶ electrons in the area covered by the input device (4b₁) or output device (4b₂) and also all along the Free Electron Wire. The input device (4b₃) is to deliver energy to the free electrons (4b₁, 4b₂, 4b₃, ...) of the New Free Electrons Wire (4a, b), for loss free transportation and various other uses of energy. The output device (4b₃) on the other end or anywhere on the wire, is to recollect the energy from the free electron wire, for different uses. The density of the electrons, inside the vacuum tube (4a) can be varied by changing the potential at the metal encapsulation of the wire and hence the covered are of the Input device (4b₁) and the output device (4b₂) over the free electron wire (4a, b) should also be changed. The covered are of the Input device (4b₁) and the output device (4b₂) over the free electron wire (4a, b) bears a definite ratio with the free electrons (4b₁, 4b₂, 4b₃, ...) of the wire. Finally there will be a metal encapsulation(s) (4a₄) over the wire to keep the electromagnetic field remain confined within the free electron wire (4a, b) to make it harmless in all respect to the health of living creatures, who may come in close contact with the wire. Apart from energy transportation the free electron (4a, b) wire is also capable of generating very high electromagnetic field generated by these free electrons (4b₁, 4b₂, 4b₃, ...), simply by removing the metal encapsulation(s) (4a₄), which can be used for various other electrical and non-electrical purposes. The materials and techniques adopted to create this New Free Electron Wire (4a, b) will enable it to get produced commercially at the cost of general copper wires.

7 Claims, 6 Drawing Sheets



**GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS**

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 of the Companies Act, 2013 and rule 8 the Companies (Incorporation) Rules, 2014]

I hereby certify that FREE ELECTRON ELECTRICALS PRIVATE LIMITED is incorporated on this Twenty second day of August Two thousand sixteen under the Companies Act, 2013 and that the company is limited by shares.

The CIN of the company is U31909WB2016PTC217221.

Given under my hand at Manesar this Twenty second day of August Two thousand sixteen .

DS Ministry of
Corporate Affairs
(Govt of India) 14

MANGAL RAM MEENA

Deputy Registrar of Companies

Central Registration Centre

For and on behalf of the Jurisdictional Registrar of Companies

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