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Application Details

APPLICATION NUMBER	202141047246
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/10/2021
APPLICANT NAME	1 . Rajib Guhathakurta 2 . Rumi Iqbal Doewes 3 . Dr. Prarthita Biswas 4 . Dr.Yagya Dutta Dwivedi 5 . Satyendra Vishwakarma 6 . Dr. Shyamasree Sur
TITLE OF INVENTION	An lot Enabled Foot Operated Two Wheeler Steering Mechanism For Persons with Disabilities
FIELD OF INVENTION	MECHANICAL ENGINEERING
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ADDITIONAL-EMAIL (As Per Record)	
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	29/10/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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Patent Search

Invention Title	An lot Enabled Foot Operated Two Wheeler Steering Mechanism For Persons with Disabilities
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Classification (IPC)	B63H0025100000, B62D0001040000, B62K0021180000, A63B0022060000, B62K0003160000

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Abstract:

The present invention relates to an lot Enabled Foot Operated Two Wheeler Steering Mechanism For Persons with Disabilities. The object of the present invention is that handicapped people can drive the bike independently and go anywhere with the help of this foot operated bike without hands. This mechanism comprises rope drive mechanism for operating the steering, when the steering pedal is pressed by the driver, the rope which is mounted on large pulley rotated around that large pulley, in this way it transfers the motion of the steering to the wheel either left or right side of the bike.

Complete Specification

Claims:1. An IOT enabled foot operated two wheeler steering mechanism for handicapped persons, operating the function of handling, steering, controlling and accelerating by the foot using rope drive mechanism, characterize in that;

Handle for single hand driving;

one large aluminum pulley fixed on connecting rod at handle end and two sets of small pulleys placed on connecting rod one near large pulley and second near paddle assembly;

steering paddle placed at left hand side and right hand side of the bike for direction controlling;

brake paddle placed at left side of the bike to control the speed of the bike;

an accelerator paddle placed at right hand side to accelerate the bike;

front suspension rod, three rear wheel suspension rod for shock absorption, a rope assembly for controlling the direction using legs

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FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

Application No.:

Filing Date:

Amount of Fee Paid:

CBR No.:

Signature:

1. APPLICANT(S):

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3	Dr. Prarthita Biswas	India	Professor & Head of the Department , School of Education,Adamas University, Barasat, North 24 Parganas, Kolkata, India	India	West Bengal
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5	Satyendra Vishwakarma	India	Assistant Professor, University Institute of Engineering and Technology, Babasaheb Bhimrao Ambedkar University, Lucknow ,U.P.	India	Uttar Pradesh
6	Dr. Shyamasree Sur	India	Assistant Professor and Head,, Department of Education, Siddhinath Mahavidyalaya (A Govt aided general degree College affiliated to Vidyasagar University) , Panskura, Purba Medinipur, India	India	West Bengal

3. TITLE OF THE INVENTION: An Iot Enabled Foot Operated Two Wheeler Steering Mechanism For Persons with Disabilities

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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Titile of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted
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by the Receiving Office

PCT//

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
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8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
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9. DECLARATIONS:**(i) Declaration by the inventor(s)**

I/We ,Rajib Guhathakurta,Rumi Iqbal Doewes,Dr. Prarthita Biswas,Dr.Yagya Dutta Dwivedi,Satyendra Vishwakarma,Dr. Shyamasree Sur, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s): Rajib Guhathakurta,Rumi Iqbal Doewes,Dr. Prarthita Biswas,Dr.Yagya Dutta Dwivedi,Satyendra Vishwakarma,Dr. Shyamasree Sur

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) :

(c) Name(s) of the signatory: Rajib Guhathakurta,Rumi Iqbal Doewes,Dr. Prarthita Biswas,Dr.Yagya Dutta Dwivedi,Satyendra Vishwakarma,Dr. Shyamasree Sur

(iii) Declaration by the applicant(s)

- **The Complete specification relating to the invention is filed with this application.**
- **I am/We are, in the possession of the above mentioned invention.**
- **There is no lawful ground of objection to the grant of the Patent to me/us.**

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
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I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature: