Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 104 040

Bezeichnung:
Neue antibakterielle Zusammensetzung und ihre Synthese

IPC:
A01N 55/02

Inhaber/Inhaberin:
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Samanta, Rojalini, Dr., Ranchi, Jharkhand, IN
Sharma, Dinesh Kumar, Dr., Mathura, Uttar Pradesh, IN
Sharma, Suraj, Dr, Jorethang, Sikkim, IN
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Tag der Anmeldung:
19.07.2023

Tag der Eintragung:
21.08.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior
München, 21.08.2023

DEUTSCHES PATENT- UND MARKENAMT

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 104 202

Bezeichnung:
Eine neue antimykotische Zusammensetzung und ihre Synthese

IPC:
A61K 31/29

Inhaber/Inhaberin:
Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
Goatia, Iti, Dr., Jabalpur, Madhya Pradesh, IN
Himalayan University, Itanagar, Itanagar, Arunachal Pradesh, IN
Kant, Ravi, Dr., Lucknow, Uttar Pradesh, IN
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Sharma, Dinesh Kumar, Dr., Mathura, Uttar Pradesh, IN
Sharma, Suraj, Dr, Jorethang, Sikkim, IN
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Tag der Anmeldung:
27.07.2023

Tag der Eintragung:
22.08.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior
München, 22.08.2023

DEUTSCHES PATENT- UND MARKENAMT

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 104 247

Bezeichnung:
Formulierung von neuem Organoantimon als Fungizid und seine Synthese

IPC:
C07F 9/92

Inhaber/Inhaberin:
Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
Goatia, Iti, Dr., Jabalpur, Madhya Pradesh, IN
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Kant, Ravi, Dr., Lucknow, Uttar Pradesh, IN
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Tag der Anmeldung:
27.07.2023

Tag der Eintragung:
28.08.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior
München, 28.08.2023

Deutsches Patent- und Markenamt

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 104 343

Bezeichnung:
Neue Antitumor-Formulierung und ihre Synthese

IPC:
C07F 9/90

Inhaber/Inhaberin:
Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
Goatia, Iti, Dr., Jabalpur, Madhya Pradesh, IN
Himalayan University, Itanagar, Itanagar, Arunachal Pradesh, IN
Kant, Ravi, Dr., Lucknow, Uttar Pradesh, IN
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Samanta, Rojalini, Dr., Ranchi, Jharkhand, IN
Sharma, Dinesh Kumar, Dr., Mathura, Uttar Pradesh, IN
Sharma, Suraj, Dr, Jorethang, Sikkim, IN
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Tag der Anmeldung:
01.08.2023

Tag der Eintragung:
01.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior
München, 01.09.2023

DEUTSCHES PATENT- UND MARKENAMT

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 104 469

Bezeichnung:

Biomedizinische Zusammensetzung einer neuen arsenhaltigen Verbindung als Antitumormittel und ihre Synthese

IPC:

A61K 31/285

Inhaber/Inhaberin:

Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
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Kant, Ravi, Dr., Lucknow, Uttar Pradesh, IN
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Mangalayatan University, Jabalpur, Jabalpur, Madhya Pradesh, IN
Samanta, Rojalini, Dr., Ranchi, Jharkhand, IN
Sharma, Dinesh Kumar, Dr., Mathura, Uttar Pradesh, IN
Sharma, Suraj, Dr, Jorethang, Sikkim, IN
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Tag der Anmeldung:

07.08.2023

Tag der Eintragung:

21.08.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior
München, 21.08.2023

DEUTSCHES PATENT- UND MARKENAMT

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 104 470

Bezeichnung:

Formulierung eines neuen Arseniks als antibakterielles Mittel und seine Synthese

IPC:

A61K 31/285

Inhaber/Inhaberin:

Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
Goatia, Iti, Dr., Jabalpur, Madhya Pradesh, IN
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Sharma, Dinesh Kumar, Dr., Mathura, Uttar Pradesh, IN
Sharma, Suraj, Dr, Jorethang, Sikkim, IN
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Tag der Anmeldung:

07.08.2023

Tag der Eintragung:

21.08.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior
München, 21.08.2023

DEUTSCHES PATENT- UND MARKENAMT

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
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Bundesrepublik Deutschland

Urkunde

über die Eintragung des Gebrauchsmusters Nr.
20 2023 104 626

Bezeichnung:

Neuartige Organoarsen-Zusammensetzung und ihre antimykotische Wirksamkeit gegen pathogene Pilze

IPC:

C07F 9/74

Inhaber/Inhaberin:

Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
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Tag der Anmeldung:

14.08.2023

Tag der Eintragung:

12.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior

München, 12.09.2023

Deutsches Patent- und Markenamt

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
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Bundesrepublik Deutschland

Urkunde

über die Eintragung des Gebrauchsmusters Nr.
20 2023 104 628

Bezeichnung:

Zusammensetzung aus einer organoarsenischen Verbindung mit erhöhter fungizider Wirkung

IPC:

C07F 9/74

Inhaber/Inhaberin:

Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
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Kant, Ravi, Dr., Lucknow, Uttar Pradesh, IN
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Mangalayatan University, Jabalpur, Jabalpur, Madhya Pradesh, IN
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Usha Martin University, Ranchi, Ranchi, Jharkhand, IN

Tag der Anmeldung:

14.08.2023

Tag der Eintragung:

12.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior

München, 12.09.2023

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Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 104 619

Bezeichnung:
Zusammensetzung von neuen Organobismuth(iii)- Verbindungen

IPC:
C07F 9/94

Inhaber/Inhaberin:
Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
Goatia, Iti, Dr., Jabalpur, Madhya Pradesh, IN
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Samanta, Rojalini, Dr., Ranchi, Jharkhand, IN
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Tag der Anmeldung:
15.08.2023

Tag der Eintragung:
04.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior

München, 04.09.2023

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Bundesrepublik Deutschland

Urkunde

über die Eintragung des Gebrauchsmusters Nr.
20 2023 104 620

Bezeichnung:

Zusammensetzung einer heterozyklischen Wismutverbindung für biomedizinische Anwendungen

IPC:

C07F 9/94

Inhaber/Inhaberin:

Dev, Debaprasad, Dr., Kolkata, West Bengal, IN
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Tag der Anmeldung:

15.08.2023

Tag der Eintragung:

12.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior

München, 12.09.2023

DEUTSCHES PATENT- UND MARKENAMT

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
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पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
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पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2023

(21) Application No.202311026412 A
(43) Publication Date : 19/05/2023

(54) Title of the invention : A NOVEL ANTIBACTERIAL AND ITS SYNTHESIS THEREOF

(51) International classification :A61K 310500, A61K 380700, A61P 310400, C07D 910400, C09D 051400
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)Dr. Iti Goatia
Address of Applicant :Department of Agriculture Microbiology, Mangalayatan University, Jabalpur-483001, M. P., India Jabalpur ---------- ----------

(57) Abstract :
The present invention discloses a modified method for the synthesis of novel organic derivatives of antimony. The method involves the addition of glycine to the stirring solution of diphenylantimony(III) chloride in the presence of trimethylamine in toluene, followed by stirring and refluxing. The resulting flocculent white precipitate is filtered off and the filtrate is concentrated under vacuum conditions to obtain a light off-white solid, which is recrystallized by petroleum ether. The newly synthesized organoantimony compounds were characterized and evaluated for their antibacterial activity against pathogenic bacterial strains. The results indicate significant antibacterial activity and reduced toxicity compared to inorganic antimony compounds. The present invention provides a simple and efficient method for the synthesis of organic derivatives of antimony with potential antimicrobial applications in the field of medicine, agriculture, and industry.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2023

(21) Application No.202311026418 A
(43) Publication Date : 19/05/2023

(54) Title of the invention : A NOVEL ANTIFUNGAL AND ITS SYNTHESIS THEREOF

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(51) International classification :A61K 090800, A61K 311900, A61K 314720, A61K 471000, A61P 311000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(57) Abstract :
The present invention relates to a novel antifungal compound and its synthesis thereof. The invention provides a modified method for synthesizing a novel derivative of antimony that exhibits potent antifungal activity against pathogenic strains of fungus. The method involves the reaction of phenylantimony(III)dichloride with glycine in the presence of trimethylamine in toluene under anhydrous oxygen-free nitrogen atmosphere, followed by refluxing to ensure the completion of the reaction. The resulting compound was characterized by various analytical techniques and exhibited potent antifungal activity against pathogenic strains of fungus. The invention offers a promising alternative for the treatment of fungal infections with reduced side effects.

No. of Pages : 13 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2023

(21) Application No.202311026419 A
(43) Publication Date : 19/05/2023

(54) Title of the invention : A NOVEL ORGANOANTIMONY AS FUNGICIDES AND ITS SYNTHESIS THEREOF

(51) International classification :C07F 099000, C07F 099200, C08F 100000, C08F 970000, H01M 045870
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)Dr. Iti Goatia
Address of Applicant :Department of Agriculture Microbiology, Mangalayatan University, Jabalpur-483001, M. P., India Jabalpur ---------- ----------

(57) Abstract :
The present invention discloses a novel organoantimony compound that has been synthesized by a modified method. The novel organoantimony compound was characterized for its fungicidal activity against pathogenic strains of fungus and found to have improved fungicidal activity compared to existing fungicides. The synthesis method involves adding glycine to a stirring solution of phenylantimony(III)dichloride in the presence of trimethylamine in toluene, stirring the mixture under anhydrous oxygen-free nitrogen atmosphere, and filtering off the resulting precipitate. The invention also provides a method for using the novel organoantimony compound as a fungicide and a composition comprising the novel compound and a carrier or adjuvant. This invention is useful in controlling fungal infections in plants and plant products in an environmentally friendly manner.

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2023

(21) Application No.202311026421 A
(43) Publication Date : 19/05/2023

(54) Title of the invention : A NOVEL ANTITUMOR AND ITS SYNTHESIS THEREOF

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(51) International classification :A61K 314700, A61P 011800, A61P 350000, C07D 871400, C12N 012000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(57) Abstract :
The present invention discloses a novel antitumor and its synthesis through a modified method of organic derivatives of antimony. The method of synthesis involves stirring diphenylantimony(III) chloride OR phenylantimony(III) dichloride OR phenylantimony(III) dichloride with glycine in the presence of trimethyl amine in toluene, followed by refluxing the solution to produce the organic derivatives of antimony. The synthesized compounds were characterized using various analytical techniques and evaluated for their antitumor activity against cancer cell lines. The novel antitumor compound exhibited potent antitumor activity against a wide range of cancer cell lines and low cytotoxicity towards normal cells, making it a promising candidate for the development of new and effective cancer therapeutics.

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(22) Date of filing of Application :11/04/2023

(21) Application No.202311026681 A
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(54) Title of the invention : NOVEL ORGANOARSENIC AS FUNGICIDES AND ITS SYNTHESIS THEREOF

(51) International classification :A61K 312850, A61K 314550, A61K 316000, C07C 515400, C07C 515600
(86) International Application No :PCT// Filing Date :01/01/1900
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(61) Patent of Addition to Application Number :NA Filing Date :NA
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(57) Abstract :
The present invention relates to a novel organoarsenic compound and its method of synthesis for use as a fungicide. The method involves adding glycine to a stirring solution of phenylarsenic(III)dichloride in the presence of trimethylamine under anhydrous oxygen-free nitrogen atmosphere. The resulting compound has demonstrated strong fungicidal activity against pathogenic strains of fungi. The invention provides a promising solution for controlling and preventing fungal infections in agriculture and other applications. The invention also includes methods of controlling fungal infections, treating fungal infections in subjects, determining the fungicidal activity of the compound, and producing pharmaceutical compositions comprising the compound..

No. of Pages : 12 No. of Claims : 1

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(19) INDIA
(22) Date of filing of Application :11/04/2023

(21) Application No.202311026656 A
(43) Publication Date : 26/05/2023

(54) Title of the invention : A NOVEL ARSENICAL AS ANTIBACTERIAL AND ITS SYNTHESIS THEREOF

(51) International classification :A61K 312850, A61P 011600, A61P 011800, A61P 130800, A61P 350000
(86) International Application No :PCT// Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA Filing Date :NA
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(57) Abstract :
This invention relates to a novel organoarsenic compound with potent antibacterial activity and a modified method for its synthesis. The compound was synthesized by adding glycine to a stirring solution of diphenylarsenic(III) chloride in the presence of trimethyl amine in toluene, followed by filtration and recrystallization. The synthesized compound was tested for antibacterial activity against pathogenic bacterial strains and exhibited potent activity. Spectral analysis using IR, NMR, and mass spectroscopy confirmed the structure of the compound. The invention provides a new and effective antibacterial agent with low toxicity and is useful in combating drug-resistant bacterial strains..

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(19) INDIA
(22) Date of filing of Application :11/04/2023

(21) Application No.202311026657 A
(43) Publication Date : 26/05/2023

(54) Title of the invention : ANTIFUNGAL EFFICACY OF A NOVEL ARSENICAL AND ITS SYNTHESIS THEREOF

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(51) International classification :A61K 312850, A61P 011600, A61P 011800, A61P 130800, A61P 311000
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(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
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(57) Abstract :
The present invention discloses a novel organoarsenic compound and its antifungal efficacy against pathogenic fungi, particularly Candida albicans and Aspergillus fumigatus. The compound is synthesized by a noble route using amino acid as a starting material and characterized by spectral analysis. The method for synthesizing the compound is straightforward and can be easily scaled up for industrial production. The antifungal efficacy of the compound is evaluated using standard methods, such as the disk diffusion assay and the broth microdilution assay. The results demonstrate that the novel organoarsenic compound has potent antifungal activity against pathogenic fungi. The invention provides a promising candidate for further development as a therapeutic agent for the treatment of fungal infections.

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/04/2023

(21) Application No.202311026703 A
(43) Publication Date : 26/05/2023

(54) Title of the invention : A NOVEL ARSENICAL AS ANTITUMOR AND ITS SYNTHESIS THEREOF

(51) International classification :A61K 312850, A61P 011600, A61P 011800, A61P 130800, A61P 350000
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(87) International Publication No : NA
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(57) Abstract :
The present invention relates to a novel arsenical compound which has significant antitumor/anti-cell proliferation activity against human breast cancer (MCF-7) and mammary cancer (EVSA-7) cell lines. The present invention also provides a method for synthesizing the compound . The method involves the use of diphenylarsenic(III) chloride OR phenylarsenic(III) dichloride, glycine OR phenylarsenic(III) dichloride, and trimethylamine in toluene under anhydrous oxygen-free nitrogen atmosphere, followed by filtration and recrystallization. The present invention further includes the use of the compound as an antitumor/anti-cell proliferation agent against human breast cancer (MCF-7) and mammary cancer (EVSA-7) cell lines. The novel compound has potential as a new and effective anticancer agent against human breast cancer (MCF-7) and mammary cancer (EVSA-7) cell lines.

No. of Pages : 17 No. of Claims : 1

20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/08/2023

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(43) Publication Date : 01/09/2023

(54) Title of the invention : GYM PULL DOWN MACHINE FOR ELECTRICITY GENERATION

(51) International classification	:A63B0021000000, H02K0007180000, A63B0022060000, A63B0023120000, A63B0021220000
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(61) Patent of Addition to Application Number Filing Date	:NA :NA
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(57) Abstract :
"GYM PULL DOWN MACHINE FOR ELECTRICITY GENERATION" The present invention relates to a gym pull-down machine that converts human mechanical energy into electrical energy. The gym-based power generation system, includes a gym pull-down machine with a frame structure and a pull-down bar for users to perform exercises, a first shaft (Shaft-A) and a second shaft (Shaft-B) mounted at the top of the frame structure in a parallel arrangement, a freewheel sprocket and chain drive system connecting the pull-down bar to the first shaft (Shaft-A), a heavy-duty rickshaw pipe rim mounted on the first shaft (Shaft-A) to act as a flywheel, storing and regulating the rotational energy, a DC dynamo connected to the flywheel by a cotton rope drive, wherein the rotational energy from the flywheel is converted into electrical energy by the DC dynamo, and a charging circuit, including an IC, a capacitor, and diodes, to charge a battery using the electrical energy generated by the DC dynamo.

No. of Pages : 16 No. of Claims : 7