Discipline Name applied for NIRF2022 Ranking: Engineering	Institute ID: IR-E-U-0099	

Patent Details with proofs (Attach screenshots, pdf, image file, etc.):

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Appication)	Here, attach source of proof i.e. URL/website links, etc.
1	202111003779A	Published	Prof. Rashmi Bhardwaj	IoT and cloud-based system and method for smart drainage monitoring, early detection and rectification	Prof. Rashmi Bhardwaj	28.01.2021	12.02.2021	202111003779A	Guru Gobind Singh Indraprastha University	http://www.ipu.ac.in/nirfmain.php
2	202011037945A	Published	Prof. Rashmi Bhardwaj	System and Method for a Handy Computed Tomography Device for Scanning Lungs and Internal Organs	Prof. Rashmi Bhardwaj	03.09.2020	25.09.2020	202011037945A	Guru Gobind Singh Indraprastha University	http://www.ipu.ac.in/nirfmain.php
3	202011021339A	Published	Prof. Rashmi Bhardwaj	An apparatus and method with IoT to detect and control temperature change simulation case.	Prof. Rashmi Bhardwaj	21.05.2020	26.06.2020	202011021339A	Guru Gobind Singh Indraprastha University	http://www.ipu.ac.in/nirfmain.php
4	2523/DEL/2013	Granted	Prof. P. C. Sharma	Indian Patent on "METHOD FOR CONSTRUCTING MICROSATELLITE ENRICHED GENOMIC LIBRARY AND DETECTION OF MICROSATELLITE	Prof. P. C. Sharma	27.08.2013	08.07.2020	340797	Guru Gobind Singh Indraprastha University	http://www.ipu.ac.in/nirfmain.php

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111003779 A

(19) INDIA

(22) Date of filing of Application :28/01/2021

(43) Publication Date : 12/02/2021

(54) Title of the invention : IOT AND CLOUD BASED SYSTEM AND METHOD FOR SMART DRAINAGE MONITORING, EARLY DETECTION AND RECTIFICATION

(51) International classification	:G01D0021020000, F17D0005000000, B09B0001000000, E03F0007000000, E03F0003020000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
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(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :

The present subject matter relates to a system and method for identifying the blocks and outflows using various sensing methods, like pressure, flow, temperature, solid waste identifiers and humidity in every portion of all sewage pipelines city/area. In embodiments, the drainage line monitoring system integrated with IoT technology to monitoring and maintaining the whole drainage system in single control area. In 10 which the sequential sensor setups provide clear data of entire drainage system; water flow levels and pressures and amount of solid waste to be calculated in the main processing unit to identify future overflows of drainages. In another embodiment, the systemhas crusher on its front side to clear blocks in drainage. If the system identifies the higher count of solid wastes, the system informs the 15 worker/media before it happens or accidents accrue. Therefore, this system prevents the drainage related accidents overflows of the drainage system and more existing problems.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/09/2020

(21) Application No.202011037945 A
(43) Publication Date : 25/09/2020

(54) Title of the invention : SYSTEM AND METHOD FOR A HANDY COMPUTED TOMOGRAPHY DEVICE FOR SCANNING LUNGS AND INTERNAL ORGANS

(51) International classification	:A61B0006000000, A61B0006030000, G07B0015020000, A61B0005117000, H04M0001210000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
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(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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(57) Abstract :
A handy computed tomography device may include a separate instead displaying scanning device which may be integrated with mobile or exiting DSLR camera lens. Which is able to work in lower than the visible light wavelength. That waves include short-wavelength high energy waves which include UV to gamma wavelengths. And the source lamp includes the wavelength of UV to gamma waves. Which lamp emits waves with the various frequency concerning time or distance or all waves at the same time. In embodiments of the invention, the source lamp placed separately behind to the scanning object. Also, it will be synchronized with the imaging device. Another embodiment of this invention, the scanner will capture the image in 3d format or video type. The report may include heartbeat rate and breath rate. The invention monitors the heart and lungs at least for one cycle to generate an accurate report. This invention eliminates unwanted fear about the virus and also reduces the time consumption. This invention enables instead internal organ 3d image or in video format. This invention can help to identify who had internal organ failure or who want to scan their body instantly.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/05/2020

(21) Application No.202011021339 A
(43) Publication Date : 26/06/2020

(54) Title of the invention : AN APPARATUS AND METHOD WITH IOT TO DETECT AND CONTROL TEMPERATURE CHANGE SIMULATION CASE

(51) International classification	:G01K0007000000, H03K0017080000, G01K0001020000, H02M0007538700, G01R0031400000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
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(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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4)SHIVAM BHARDWAJ
5)MOHAMMED ALSHEHRI
6)SUNIL KUMAR SHARMA

(57) Abstract :
Currently, the Internet of Things concept has playing a major and professional role, but has not been familiar to the public, the previous few years, mobile Internet and smart combination of hardware development, and slowly opened the prelude to the development of things matter. A temperature detecting apparatus includes a temperature detecting circuit configured to output a first pulse signal according to a temperature detected by a temperature sensor, and an insulating transformer configured to transmit the first pulse signal to an integrated circuit which is operated by an operation voltage different from that of the temperature detecting circuit. The insulating transformer is installed between the temperature detecting circuit and the integrated circuit. The temperature detecting circuit and the insulating transformer are mounted on a common substrate.

No. of Pages : 14 No. of Claims : 9

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पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No.	:	340797
आवेदन सं. / Application No.	:	2523/DEL/2013
फाइल करने की तारीख / Date of Filing	:	27/08/2013
पेटेंटी / Patentee	:	GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित METHOD FOR CONSTRUCTING MICROSATELLITE ENRICHED GENOMIC LIBRARY AND DETECTION OF MICROSATELLITE LOCATION IN A LIBRARY DNA SEQUENCE नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 27th day of August 2013 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled METHOD FOR CONSTRUCTING MICROSATELLITE ENRICHED GENOMIC LIBRARY AND DETECTION OF MICROSATELLITE LOCATION IN A LIBRARY DNA SEQUENCE as disclosed in the above mentioned application for the term of 20 years from the 27th day of August 2013 in accordance with the provisions of the Patents Act,1970.

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l Id:- patents@algindia.com,patents@algidia.com

:- पेटेंट आवेदन संख्या 2523/DEL/2013 के संबंध मे अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर मे प्रविष्टि की सूचना
:- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 2523/DEL/2013

ा/महोदया,
Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनिय, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [व ------
ई] के उपरांत एतद्द्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 08/07/2020 को पेटेंट रजिस्टर मे कर दी गयी है।
This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Pate
and Rules made thereunder [and hearing held on ———] a patent is hereby granted and recorded in the Register of Patents on
/2020. The Patent Certificate is enclosed herewith.

संख्या \ Patent No	: 340797
दक का नाम \ Name Of Applicant	: GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
दिनांक \ Date of Patent	: 27/08/2013
ता तिथि \ Priority Date	: 27/08/2013
ण हेतु अनुरोध दाखिल करने की तिथि \ Filling e of Request for examination	: 05/09/2014
क \ Title	: METHOD FOR CONSTRUCTING MICROSATELLITE ENRICHED GENOMIC LIBRARY DETECTION OF MICROSATELLITE LOCATION IN A LIBRARY DNA SEQUENCE

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PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No.	:	340797
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फाइल करने की तारीख / Date of Filing	:	27/08/2013
पेटेंटी / Patentee	:	GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित METHOD FOR CONSTRUCTING MICROSATELLITE ENRICHED GENOMIC LIBRARY AND DETECTION OF MICROSATELLITE LOCATION IN A LIBRARY DNA SEQUENCE नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 27th day of August 2013 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled METHOD FOR CONSTRUCTING MICROSATELLITE ENRICHED GENOMIC LIBRARY AND DETECTION OF MICROSATELLITE LOCATION IN A LIBRARY DNA SEQUENCE as disclosed in the above mentioned application for the term of 20 years from the 27th day of August 2013 in accordance with the provisions of the Patents Act,1970.