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Department of Industrial Policy and Promotion
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(21) Application No. : 3390/MUM/2015

(22) Date of filing of Application :03/09/2015

(43) Publication Date : 18/09/2015
Journal No. - 38/2015

(54) Title of the invention : ECOLOGICAL SANITATION APPROACH IN A CONSTRUCTED WETLAND USING ANGULAR HORIZONTAL SUBSURFACE FLOW AND ANGULAR HORIZONTAL SUBSURFACE ZIGZAG FLOW PILOT PLANT NOVEL MODELS

(51) International classification :F01D 11/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
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(72)**Name of Inventor :**
1)PROF. (DR). SATISH S. PATIL (India)
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(57) Abstract :
In one of the important aspect of the invention it is provided that a method for phytoremediation of waste water is provided, the macrophytes used for the purpose of the phytoremediation includes Typha latifolia, Cana indica, Phragmites karka, Colocasia esculenta, Pennisetum purpureium, Panicum maximum, Eichhornia crassipes which is grown in the flow bed; the flow bed is constructed according to fig.l having the layers of pebble, gravel and soil on the top on which the macrophytes is grown, the water flow through the inlet is regulated on the flow bed in angular or zigzag manner provided an appropriate time to residence so that the impurities present in the water is absorbed/ adsorbed on the flow bed, further to provide flow of water the flow be is provided predetermined angle to maintain the flow of waste water, the impurities present in untreated water and the treated water is determined in conventional manner;

Number of Pages = 35

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(21) Application No. : 201621010599

(22) Date of filing of Application :28/03/2016

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Journal No. - 20/2016

(54) Title of the invention : PHYTO-PURIFICATION TREATMENT OF SEWAGE USING PENNISETUM PURPUREIUM THROUGH ANGULAR WITH ZIGZAG OR CIRCULAR HORIZONTAL SUBSURFACE FLOW (AZHSSF) CONSTRUCTED WETLAND

(51) International classification	:C02F3/30
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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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(72)**Name of Inventor :**
1)PROF. (DR.) SATISH P. PATIL (India)
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(57) Abstract :
In one of the important aspect of the invention it is provided that a method for phytoremediation of waste water is provided, the macrophytes used for the purpose of the phytoremediation includes Typha latifolia, Cana indica, Phragmites karka, Colocasia esculenta, Pennisetum purpureium, Panicum maximum, Eichhornia crassipes which is grown in the flow bed; the flow bed is constructed according to fig.l having the layers of pebble, gravel and soil on the top on which the macrophytes is grown, the water flow through the inlet is regulated on the flow bed in angular or zigzag manner provided an appropriate time to residence so that the impurities present in the water is absorbed/ adsorbed on the flow bed, further to provide flow of water the flow be is provided predetermined angle to maintain the flow of waste water, the impurities present in untreated water and the treated water is determined in conventional manner;

Number of Pages = 36

CBR Number : 4167 **CBR date: 09-03-2018**

Application Type: ORDINARY APPLICATION
Priority Number:
Priority Date:
Priority Country: Not Selected

To,
Ravindra Siddappa Hegadi
Department of computer science, Solapur University, Solapur

Received documents purporting be to an application for patent numbered 201821008703 dated 09-03-2018 by Ravindra Siddappa Hegadi of Department of Computer science, Solapur University, Solapur relating to METHODS FOR OFFLINE HANDWRITTEN MARATHI CHARACTER RECOGNITION together with the Complete and fee(s) of 1760 (One Thousand Seven Hundred & Sixty only).

Note:

1. In case of Patent Application accompanied by a Provisional Specification, a complete Specification should be filed within 12 months from the date of filing of the Provisional Specification, failing which the application will be deemed to be abandoned under Section 9(1) of the Patent Act, 1970.
2. You may withdraw the application at any time before the grant of patent, if you with so. If, in addition to withdrawal, you also wish to pravent the publication of application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority of date of filing, whichever earlier.
3. If not withdrawn, your application will be published in the Patent Office Journal after eighteen months from the date of priority of date of filing, whichever is earlier.
4. If you with to get your application examined, you should file a request for examination in Form-18 within 48 months from the date of priority or date of filing, whichever is earlier, failing which the application will be treated as withdrawn by the applicant under Section 11(B)(4) of the Patent Act, 1970.

(For Controller of Patents)

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/03/2017

(21) Application No.201721007606 A
(43) Publication Date : 20/12/2019

(54) Title of the invention : AMMONIA SENSOR

(51) International classification	:C02F 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(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 :
ABSTRACT AMMONIA SENSOR The present invention relates to ammonia sensors and a process for preparing the sensor. The sensors include hybrid nanocomposites having polyaniline (PANI) and tungsten trioxide (WO3) deposited on a polyethylene terephthalate (PET) substrateare. The sensors are selective for ammonia and are capable of detecting ammonia at room temperature. The sensors described herein have higher sensitivity to ammonia and are suitable for detection of ammonia where the concentration of ammonia ranges from about 1 ppm to about 100 ppm. The sensors provided herein are connected to circuitry that allows the sensor to provide direct input to the analog channel of a controller and generate a digital/ alarm output. FIG. 8 for publication

No. of Pages : 23 No. of Claims : 6

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G.A.R.6
[See Rule 22(1)]
RECEIPT

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CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	R20202002635	202021003401	4000	1926	FORM 18	
2	202021003401	TEMP/E-1/3614/2020-MUM	1600	1926	FORM 1	AN INTELLIGENT SYSTEM AND A METHOD FOR SYSTEMATIC DISTRIBUTION OF AGRICULTURAL GOODS
3	E-12/131/2020/MUM	202021003401	2500	1926	FORM 9	----

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