



**Dr. D. Y. Patil Pratishthan's College of Engineering  
Salokhenagar, Kolhapur**

## **PATENT**

Sr. No	Title
1.	A NOVEL METHOD OF DESIGN AND MANUFACTURING OF COMPOSITE BLADES FOR CEILING FAN
2.	ANALYSIS OF COMPOSITE MATERIAL-CEILING FAN BLADE USING EXPERIMENTS AND THE FINITE ELEMENT METHOD
3.	REGULAR EQUAL WATER DISTRIBUTION SYSTEM
4.	SOLAR VEGETABLE DRYER
5.	POLLUTION CONTROLLING DEVICE
6.	PERFORM EXPERIMENTS ON FILTER COLUMN FOR NITRATE AND CHROMIUM (VI) REMOVAL WITH VARYING FILTER MATERIAL AND CONTACT TIME

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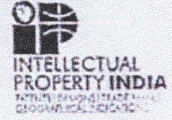
Sr. No	Title
1.	DISCRIMINANT FUNCTION ANALYSIS FOR PROFITABILITY ANALYSIS OF MANUFACTURING FIRMS.







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Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
Government of India



MI  
69

Application Details

APPLICATION NUMBER	202221049223
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	29/08/2022
APPLICANT NAME	1 . Pravin Krishnat Desai 2 . Suyog Vilas Tate-Patil 3 . Mr.Suraj Dhondiram Patil 4 . Mr.Ajit Ramchandra Chougale 5 . Mr.Shrikant dnyandeo Bhopale 6 . Mr.Amar Damodar Patil
TITLE OF INVENTION	A NOVEL METHOD OF DESIGN AND MANUFACTURING OF COMPOSITE BLADES FOR CEILING FAN
FIELD OF INVENTION	MECHANICAL ENGINEERING
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ADDITIONAL-EMAIL (As Per Record)	researchr08@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/09/2022





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CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202221049223	TEMP/E-1/56368/2022-MUM	1600	22721	FORM 1	A NOVEL METHOD OF DESIGN AND MANUFACTURING OF COMPOSITE BLADES FOR CEILING FAN
2	E-12/2406/2022/MUM	202221049223	2500	22721	FORM 9	---

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0001014028	Online Bank Transfer	2908220022518	4100.00	1475001020000001

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Amount in Words: Rupees Four Thousand One Hundred Only

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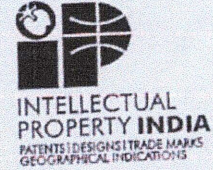
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## CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202221049194	TEMP/E-1/56307/2022-MUM	1600	22701	FORM 1	ANALYSIS OF COMPOSITE MATERIAL-CEILING FAN BLADE USING EXPERIMENTS AND THE FINITE ELEMENT METHOD
2	E-12/2403/2022/MUM	202221049194	2500	22701	FORM 9	—

Transaction ID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No.
N-0001013899	Online Bank Transfer	2908220016795	4100.00	1475001020000001

Total Amount : ₹ 4100.00

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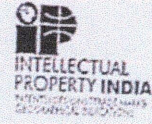
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 Ministry of Commerce & Industry,  
 Government of India



Application Details	
APPLICATION NUMBER	202221049194
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	29/08/2022
APPLICANT NAME	1. Pravin Krishnat Desai 2. Suyog Vilas Tate-Patil 3. Mr.Suraj Dhondiram Patil 4. Mr.Ajit Ramchandra Chougale 5. Mr.Shrikant dnyandeo Bhopale 6. Mr.Amar Damodar Patil
TITLE OF INVENTION	ANALYSIS OF COMPOSITE MATERIAL-CEILING FAN BLADE USING EXPERIMENTS AND THE FINITE ELEMENT METHOD
FIELD OF INVENTION	MECHANICAL ENGINEERING
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ADDITIONAL-EMAIL (As Per Record)	researchchr08@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/09/2022





## Design Application Details

**Application Number:**

350663-001

**Cbr Number:**

208303

**Cbr Date:**

04/10/2021 20:23:29

**Applicant Name:**

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3. Abhijeet Mohanrao Mane      4. Dr. Vidya Nitin Patil      5. Dr. Divyajyothi M. G.  
6. Dr. Chatti Subbalakshmi

## Design Application Status

**Application Status:**

Application Accepted, Certificate of Design not Generated.

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Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : [controllerdesign.ipo@nic.in](mailto:controllerdesign.ipo@nic.in)

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## Design Application Details

**Application Number:**

392425-001

**Cbr Number:**

209992

**Cbr Date:**

10/08/2023 16:31:32

**Applicant Name:**

- |                            |                           |                             |
|----------------------------|---------------------------|-----------------------------|
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| 4. Ashish Suresh kamble    | 5. Aniket Ashok mane      | 6. Rushikesh ravindra joshi |
| 7. Jitendra Dasharath Mane | 8. Vivek Rajendra Mohite  |                             |

## Design Application Status

**Application Status:**

Application Under Process(wating for Technical Examination)

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Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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मूल/No : 131314



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THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र  
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No.	372342-001
तारीख / Date	10/10/2022
पारस्परिकता तारीख / Reciprocity Date*	
देश / Country	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **POLLUTION CONTROLLING DEVICE** में संबंधित है, उस पंजीकरण, श्रेणी **23-04** में Sumit Santosh Powar के नाम में उपरोक्त संघ और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **23-04** in respect of the application of such design to **POLLUTION CONTROLLING DEVICE** in the name of Sumit Santosh Powar.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अन्वयेन प्रावधानों के अनुसरण में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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निर्गत की तारीख Date of Issue : 17/03/2023

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221057084 A

(19) INDIA

(22) Date of filing of Application :05/10/2022

(43) Publication Date : 14/10/2022

(54) Title of the invention : PERFORM EXPERIMENTS ON FILTER COLUMN FOR NITRATE AND CHROMIUM (VI) REMOVAL WITH VARYING FILTER MATERIAL AND CONTACT TIME

(51) International classification :C02F0001440000, C02F0001463000, C02F0001520000,  
C02F0001000000, C02F0101300000  
(56) International Application No :NA  
Filing Date :NA  
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Filing Date :NA  
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Filing Date :NA

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4) Mr. Amar Damodar Patil

5) Vidhyashri Anand Hosamani

6) Mr. Shweta S. Khandagale

7) Dr. Maya Rajnarayan Ray

8) Ms. Harshada Vallabh Vibhute

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(57) Abstract :

Perform experiments on filter column for nitrate and chromium (VI) removal with varying filter material and contact time ABSTRACT Nitrate can cause severe problems, including eutrophication and infection diseases, such as cyanosis and cancer of the alimentary canal. Also all forms of chromium can be toxic at high levels. The conventional treatments used for groundwater include coagulation and flocculation is not effective for the removal of nitrates. Ion-exchange, denitration, reverse osmosis, electrocoagulation are the methods widely used for removal of nitrates and chromium which have disadvantages like expensive, non availability of materials easily, sludge formation, the waste stream from reverse osmosis process is exceptionable. Overall the methods adopted for removal of nitrate and chromium generates some environmental pollution and therefore, there is need of the clean technology which can be provided easily by using filter media available locally and naturally. The potential damage to water can be prevented by using this treatment for removal of nitrate and chromium (VI). The adopted technique is low cost because the filter medias to be used in the set up are non expensive and easily available. Also the adopted technique does not require skilled supervision, gives zero sludge formation. Process is simple, eco-friendly, and gives effective efficiency. In this invention we proposed the experiments on filter column for nitrate and chromium (VI) removal with varying filter material and contact time. It is seen that if the size of the filter media is decreases then there is more area available for adsorption. So the filter media size should be as possible as low, also there is problem of low size of filter media is observed that the very fine particles are come in the outlet sample. So the care should be taken regarding selecting the filter media size.


No. of Pages : 20 No. of Claims : 7







Dated : 03/09/2021

1. Registration Number : **L-107238/2021**
2. Name, address and nationality of the applicant : ABHIJEET MANE , 865 A WARD  
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KARNATAKA-577102  
INDIAN
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OEM ORIGINAL EQUIPMENT MANUFACTURER TO A  
SMALL MANUFACTURER. TO ASCERTAIN THE QUALITY  
STANDARDS AND ALSO MAINTAIN A GOOD  
PROFITABILITY.
5. Title of the work : DISCRIMINANT FUNCTION ANALYSIS FOR  
PROFITABILITY ANALYSIS OF MANUFACTURING FIRMS.
6. Language of the work : ENGLISH
7. Name, address and nationality of the author and if the author is  
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SALOKHE NAGAR-416007  
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TECHNOLOGY, JYOTHI NAGARA, CHIKKAMAGALURU  
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INDIAN
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article and, if yes, the number of times : N.A.
17. :
- Dr.  17809/2021-CO/L  
Date of Application : 31/07/2021  
Date of Receipt : 31/07/2021

  
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