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THE PATENT OFFICE

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

क्रमांक : 044131333
SL No :



पेटेंट सं. / Patent No. : 370383
आवेदन सं. / Application No. : 201741009030
फाइल करने की तारीख / Date of Filing : 16/03/2017
पेटेंटी / Patentee : 1.DR. ASHUTOSH DAS 2.DR. MUKESH GOEL 3.DR. K. RAVI KUMAR 4.NILAVU .B et al. et al.

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित A PROCESS OF PREPARING ACTIVATED DEOILED CAKES OF KARANJA FOR TREATMENT OF TEXTILE WASTEWATER नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 16th day of March 2017 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 A PROCESS OF PREPARING ACTIVATED DEOILED CAKES OF KARANJA FOR TREATMENT OF TEXTILE WASTEWATER as disclosed in the above mentioned application for the term of 20 years from the 16th day of March 2017 in accordance with the provisions of the Patents Act,1970.



अनुदान की तारीख : 27/06/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 16th day of March 2019 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 16th day of March 2019 and on the same day in every year thereafter.



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Department of Industrial Policy & Promotion,
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Application Details	
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APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/03/2017
APPLICANT NAME	1 . DR. ASHUTOSH DAS 2 . DR. MUKESH GOEL 3 . DR. K. RAVI KUMAR 4 . NILAVU .B 5 . MAHESH .R 6 . PARTHIBAN .P
TITLE OF INVENTION	A PROCESS OF PREPARING ACTIVATED DEOILED CAKES OF KARANJA FOR TREATMENT OF TEXTILE WASTEWATER
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	mail@ideas2ipr.com
ADDITIONAL-EMAIL (As Per Record)	acadas@gmail.com
E-MAIL (UPDATED Online)	mail@ideas2ipr.com
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Application Status

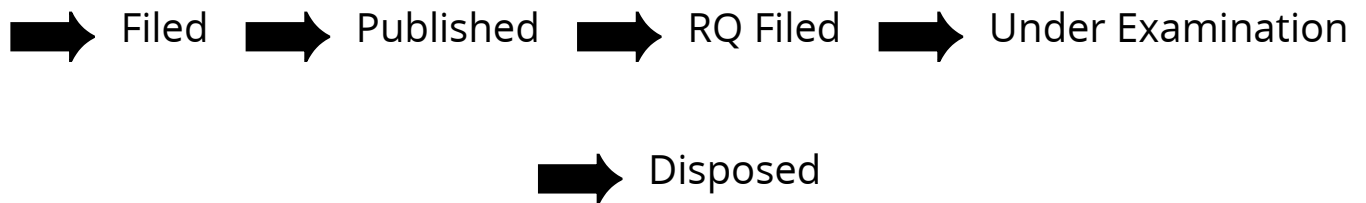
APPLICATION STATUS

**Granted Application, Patent Number
:370383**

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(51) International classification	:C02F 1/68	(71)Name of Applicant : 1)DR. ASHUTOSH DAS Address of Applicant :Centre for Environment Engineering PRIST University,Vallam Thanjavur Tamil Nadu India
(31) Priority Document No	:NA	2)DR. MUKESH GOEL
(32) Priority Date	:NA	3)DR. K. RAVI KUMAR
(33) Name of priority country	:NA	4)NILAVU .B
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(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR. ASHUTOSH DAS
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(62) Divisional to Application Number	:NA	3)DR. K. RAVI KUMAR
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		5)MAHESH .R
		6)PARTHIBAN .P

(57) Abstract :

On activation of deoiled cakes of Karanja and that of rice husk, using 85-88% phosphoric acid (H3P04) of A.R grade (with 2x dilution), being impregnated at nitrogen atmosphere (500°C, 2 hrs), the resultant activated carbon can be effective decolorizer for textile wastewater. Hence, the invention relates to preparing of an absorbent for textile wastewater treatment, using deoiled Karanja cakes with/without Rice husk (activated in the same way as deoiled cakes of Karanja, blended at different proportions with deoiled cakes of Karanja) to develop a range of activated Karanja-based adsorbents for textile wastewater treatment.

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