

Patent Register - [2022/13139]

Patent Number

2022/13139

Title of Invention

CASTABLE AND CURABLE MAGNETIC FILM
COMPOSITE WITH NANOPARTICLES

2022/12/05

Date of Acceptance

2023/02/08

Date of expiry

2042-12-05

Type of Patent

Utility

Status

Accepted



[Signature]
Director
R.D. Engineering College
Duhai, Ghaziabad



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

Research Promotion Incentive Requisition Form

Date: 05/12/2022

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Pankaj Singh

Designation: A.P

Department: CE

Academic Session: 2022-23

Details of Research activity for which incentive is claimed:

Costable and Curable Magnetic Cement Composition and method for (Patent)

Amount to be paid: 10000/-

Pankaj Singh
Signature of Candidate

Pankaj Singh
Verified by HOD



[Signature]
Director
R.D. Engineering College
Duhai, Ghaziabad
Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 5/12/22 202

PARTICULARS	Amount	
	Rs.	P.
DEBIT Faculty Welfare A/c	10000	2
Being amount of Dr. Pankaj Singh for castable & cast curable Magnetic cement Composition & Method for South African Patent		/
Total Rs.	10000	2
CREDIT cash	10000	2
Ten thousand only		
Total Rs.	10000	2

Received the sum of Rupees Ten thousand Rupees only on account of Dr. Pankaj Singh by Cash /cheque No. Dated

Rs. 10,000/-

Signature 


Accountant


 Director
 R.D. Engineering College
 Duhai, Ghaziabad
 Authorised by

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 105 565

Bezeichnung:

Intelligenter Inhalator für Asthmatiker

IPC:

A61M 15/00

Inhaber/Inhaberin:

Ali, Kunwar Babar, Noida, Uttar Pradesh, IN
Das, Saswat Kumar, Greater Noida, Uttar Pradesh, IN
Keshari, Jaishanker Prasad, Dr., Sheikhpura, Bihar, IN
Khan, Imran Ahmed, Dr., New Delhi, IN
Krishan, Gopal, Dr., Greater Noida, Uttar Pradesh, IN
Kumar, Sandeep, Greater Noida, Uttar Pradesh, IN
Rathee, Naveen, Dr., Greater Noida, Uttar Pradesh, IN
Singh, Pankaj Kumar, Dr., Ghaziabad, Uttar Pradesh, IN
Singh, Shilpi, Dr., Ghaziabad, Uttar Pradesh, IN

Tag der Anmeldung:

30.09.2022

Tag der Eintragung:

14.10.2022

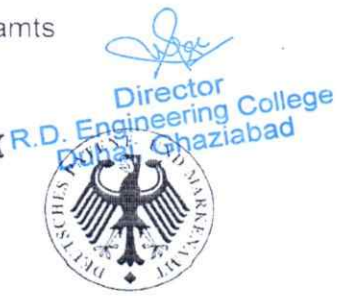


Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

München, 14.10.2022





R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

23

Research Promotion Incentive Requisition Form

Date: 14/10/2022

Name of Institute: R. D. Engineering College, Ghaziabad

Name of Faculty: Pankaj Singh

Designation: A.P

Department: C.E

Academic Session: 2022-23

Details of Research activity for which incentive is claimed:

Intelligent inhaler for Asthmatics (Patent)

Amount to be paid: 10000/-

Signature of Candidate

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 4/10/22 202

PARTICULARS	Rs.	Amount	P.
DEBIT Faculty Welfare A/c	10000		2
Being amount paid to Mr. Dr. Pankaj Singh for intelligent inhalator for Athmakher cement composition and Method for South African Patent			/
Total Rs.	10000		2
CREDIT Cash	10000		2
Ten thousand only			/
Total Rs.	10000		2

Received the sum of Rupees Ten thousand only

on account of

by Cash /cheque No. Dated

Rs. 10,000/-

Signature

Accountant

Director
 R.D. Engineering College
 Duhai, Ghaziabad

Authorised by

(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(21) Application No.202211067986 A

(22) Date of filing of Application :25/11/2022

(43) Publication Date : 02/12/2022

(54) Title of the invention : CURCUMIN COMPOSITION WITH ENHANCED BIOAVAILABILITY, ANTI-DIABETIC, ANTI-CANCER ACTIVITY

(51) International classification :A61K0036670000, A61K0031120000, A23L0033105000, A61P0035000000, A61P0039060000

(86) International Application No :NA
Filing Date :NA

(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

(71)Name of Applicant :
1)Mohd Yusuf
Address of Applicant :Department of Natural and Applied Sciences, School of Technology, The Glocal University, Saharanpur, Uttar Pradesh, India- 247121 -----
2)Prof. (Dr.) Satish Kumar Sharma
3)Sonam Khan
4)Dr. Paul Richards Mooni
5)Subham Biswal
6)Shruti Singh
7)Dr/Bgen Adrien R Quidlat
8)Dr Shilpi Singh
9)Dr Pankaj Kumar Singh
Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)Mohd Yusuf
Address of Applicant :Department of Natural and Applied Sciences, School of Technology, The Glocal University, Saharanpur, Uttar Pradesh, India- 247121 -----
2)Prof. (Dr.) Satish Kumar Sharma
Address of Applicant :Professor & Dean, Glocal School of Pharmacy, Pro Vice Chancellor, The Glocal University, Mirza Pur Pole, Saharanpur, Uttar Pradesh- 247121 -----
3)Sonam Khan
Address of Applicant :35 anshik gali near post office, Kaulagarh, Dehradun, Uttarakhand, India. -----
4)Dr. Paul Richards Mooni
Address of Applicant :Professor Aditya Banglore Institute of Pharmacy education and research Yelahanka, Banglore. -----
5)Subham Biswal
Address of Applicant :Student DOCTORATE OF MEDICINE 3rd Year UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA, Philippines, PIN - 1700 -----
6)Shruti Singh
Address of Applicant :Student DOCTORATE OF MEDICINE UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA, Philippines, PIN - 1700 -----
7)Dr/Bgen Adrien R Quidlat
Address of Applicant :Executive Medical Director - Orthopedic Surgeon UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA, Philippines, PIN - 1700 -----
8)Dr Shilpi Singh
Address of Applicant :Associate Professor Management Noida International University U.P India- 203201 -----
9)Dr Pankaj Kumar Singh
Address of Applicant :Professor & Director R D Engineering College -Ghaziabad, U.P India- 201205 -----
10)Dr. Ravinder Singh Mann
Address of Applicant :VPO Khojala Tehsil Batala Distt Gurdaspur Gurdaspur -----
11)Shipra Kanwar
Address of Applicant :Dewalchor Kham Haldwani, Manpur Paschim, Nainital, Uttarakhand- 263139, Nainital -----

(57) Abstract :
A curcumin composition with enhanced bioavailability, anti-diabetic, anti-cancer activity, comprising: i) curcumin in the range of 35 - 45 %, ii) curcumin derivative in the range of 35 - 45 %, iii) green tea in the range of 5 - 10 %, iv) extract of soya bean in the range of 5 - 10 %, and v) long pepper in the range of 5 - 10%. A method for preparing the composition comprises of following steps, i) extracting the curcumin and derivatives from plant material with dichloromethane, followed by evaporation in a vacuum to obtain dichloromethane extract, ii) isolating the dichloromethane extract using silica gel chromatography, subsequently eluted from a solvent to obtain curcumin extract, and iii) mixing the curcumin extract with the derivatives, followed by addition of the green tea, extract of soya bean and long pepper to obtain composition.

No. of Pages : 16 No. of Claims : 5



Director
R.D. Engineering College
Duhai, Ghaziabad



R. D. Engineering College, Ghaziabad College Code-231
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Research Promotion Incentive Requisition Form

Date: 02/12/2022.

Name of Institute: R. D. Engineering College, Ghaziabad

Name of Faculty: Pankaj Singh

Designation: A.P

Department: CE

Academic Session: 2022-23

Details of Research activity for which incentive is claimed:

Curcumin Composition with Enhanced Bio availability (Patent).

Amount to be paid:

Pankaj Singh
Signature of Candidate

Pankaj Singh
Verified by HOD



[Signature]
Director
R.D. Engineering College
Ghaziabad
Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 2/12/22 202

PARTICULARS	Amount	
	Rs.	P.
DEBIT Faculty welfare - A/c	10000	2
Being amount of currency compensation with Enhanced Avail- ability for official Journal of Patent office		/
Total Rs.	10000	
CREDIT cash	10000	
Ten thousand only		/
Total Rs.	10000	2

Received the sum of Rupees Ten thousand only Received From
 on account of
 by Cash /cheque No. Dated

Rs. 10,000/-

Signature 


 Accountant


 Director
 R.D. Engineering College
 Duhai, Ghaziantar
Authorised by



ORIGINAL

मूल/No : 137739



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No.	:	381939-001
तारीख / Date	:	21/03/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **ENVIRONMENTAL MONITORING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी **10-05** में 1.Dr Mohammed Asef Iqbal 2. Dr Pankaj Kumar Singh 3.Dr Shilpi Singh 4.Dr.S.Boobalan 5.Dr .B Senthil Rathi 6.Dr .Sujatha.Sadana 7.Ms . Lavanya R 8.Dr. V.Kannan के नाम में उपर्युक्त संख्या 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 **10-05** in respect of the application of such design to **ENVIRONMENTAL MONITORING DEVICE** in the name of 1.Dr Mohammed Asef Iqbal 2. Dr Pankaj Kumar Singh 3.Dr Shilpi Singh 4.Dr.S.Boobalan 5.Dr .B Senthil Rathi 6.Dr .Sujatha.Sadana 7.Ms . Lavanya R 8.Dr. V.Kannan.

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



[Signature]
Director
R.D. Engineering College
Duhai, Ghaziabad

निर्गमन की तारीख/Date of Issue : 24/05/2023

[Signature]
महानियंत्रक पेटेंट-डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।
*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



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Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

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Research Promotion Incentive Requisition Form

Date: 21/03/2023

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Pankaj Singh

Designation: A.P

Department: C.E

Academic Session: 2022-23

Details of Research activity for which incentive is claimed:

Environmental Monitoring Device (Patent)

Amount to be paid: 10000/-


Signature of Candidate


Verified by HOD




Director
R.D. Engineering College
Duhai, Ghaziabad
Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.


Date 21/3/23..202

PARTICULARS	Rs.	Amount	P.
DEBIT Faculty Welfare A/c	10000		>
Being amount of Environmental Monitoring Device for Dr. Pankaj Singh for official Journal of Patent office			/
Total Rs.	10000		
CREDIT Cash	10000		
Ten thousand only			/
Total Rs.	10000		>

Received the sum of Rupees Ten thousand only
 on account of Dr. Pankaj Singh
 by Cash /cheque No. 10/1000
 Dated

Signature 


 Accountant


 Director
 R.D. Engineering College
 Duhai, Ghaziabad
 Authorised by



Australian Government

IP Australia

30

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021103499

The Commissioner of Patents has granted the above patent on 4 August 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Pankaj Kumar Singh of Dean-Research Department of Civil, R D Engineering College Ghaziabad Uttar Pradesh 201206 India

Ravi Shankar Singh of Dept. of Biochemistry, Microbiology &, Immunology, University of Saskatchewan Saskatoon, Canada S7N 5E5 Canada

D.R. Somashekar of Director -RKGIT, Ghaziabad Ghaziabad Uttar Pradesh 201003 India

Sanjeev Singh of Professor, Dept. Of Civil Engineering, KIET Group of Institution Ghaziabad Uttar Pradesh 201206 India

Purna Gaur of Professor, Instr. & Control Enggg., East Campus NSUT, Sec -3, Dwarka Delhi Delhi 110075 India

Abhishek Singh of Asst. Professor, Dept. of Chemistry, Udai Pratap College Varanasi Uttar Pradesh 221002 India

Sanjay Paliwal of Associate Professor, Dept. of Mechanical, Engg., R D Engineering College Ghaziabad Uttar Pradesh 201206 India

Vivek Singh of Asst. Professor Botany, U.P. College Varanasi Uttar Pradesh 221002 India

Shaaswat Sharma of Vice President, R D Engineering College, 20 Newport Parkway, Apt # 603 New Jersey Jersey City, 07310 United States of America

Title of invention:

AN AUTOMATED PLANTATION HEALTH MONITORING SYSTEM AND A METHOD THEREOF

Name of inventor(s):

Singh, Pankaj; Singh, Ravi; Somashekar, D. R.; Singh, Sanjeev; Gaur, Purna; Singh, Abhishek; Paliwal, Sanjay; Singh, Vivek and Sharma, Shaaswat

Term of Patent:

Eight years from 21 June 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.


Director
R.D. Engineering College
Duhai, Ghaziabad

Dated this 4th day of August 2021

Commissioner of Patents



PATENTS ACT 1990



Australian Government

IP Australia

(3)

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021105625

The Commissioner of Patents has granted the above patent on 17 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

R D Engineering College of NH No.58, Delhi - Meerut Expy, Duhai Ghaziabad Uttar Pradesh 201206 India

University of Saskatchewan of Saskatoon Saskatchewan S7N 5E5 Canada

Fortis Escorts Heart Institute of Okhla New Delhi Delhi 110025 India

Title of invention:

NOVEL CROP RECOGNITION TECHNIQUES FOR WEED CONTROL OF SELF LIFE OF CROPS AND HUMANS

Name of inventor(s):

Singh, Pankaj Kumar; Singh, Ravi Shankar; Bhadoriya, Shailendra S.; Sharma, Shaaswat; Singh, Manoj Kumar; Singh, Sanjeev; Paliwal, Sanjay; Upmanu, Vishal and Sharma, Sanjeev

Term of Patent:

Eight years from 17 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Director
R.D. Engineering College
Duhai, Ghaziabad

Dated this 17th day of November 2021

Commissioner of Patents





R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

59

Research Promotion Incentive Requisition Form

Date: 21/06/2021

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Sanjay Palival

Designation: A.P

Department: M.E

Academic Session: 2021-22

Details of Research activity for which incentive is claimed:

An Automated Platelet Health Monitoring (Patent)

Amount to be paid: 10000 -/

Signature of Candidate

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.


Date 21/11/2022


Received the sum of Rupees Ten thousand only
 on account of

by Cash /cheque No. 7 Dated

Rs. 10,000

PARTICULARS	Rs.	P.
DEBIT Faculty Welfare A/c	10000	2
Being amount paid to Mr. Sandeep Palival for AI Automated Platform Health Monitoring for Australian Innovation Patent		/
Total Rs.	10000	2
CREDIT Cash	10000	2
Ten thousand only		
Total Rs.	10000	2

Signature 


 Accountant


 Director
 R.D. Engineering College
 Duhai, Ghaziabad



Australian Government
IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103643

The Commissioner of Patents has granted the above patent on 4 August 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

- Pankaj Singh of Director-Research, Department of Civil, R D Engineering College Ghaziabad Uttar Pradesh 201206 India
- Abhishek Shukla of Associate Professor-CSE, R D Engineering College Ghaziabad Uttar Pradesh 201206 India
- Pradeep Mishra of Asst. Professor, College of Agriculture, Powarkheda, J.N.K.V.V. Powarkheda Madhya Pradesh 461110 India
- Ritesh Pandey of Associate Professor, Department of Applied Sciences, SIET Prayagraj Uttar Pradesh 211015 India
- Kunwar Babar Ali of Asst. Prof., Dept. of Computer Science & Engg., Noida International University Greater Noida Uttar Pradesh 203201 India
- Prabhat Kumar Srivastava of Professor, Dept. of Computer Science & Engineering, Babu Banarasi Das University Lucknow Uttar Pradesh 226028 India
- Vishal Upmanu of Head & Associate Professor, ECE department, R D Engineering College Ghaziabad Uttar Pradesh 201206 India
- Avinash Dwivedi of Professor, Dept. of Computer Science & Engineering, JEMTEC Greater Noida Uttar Pradesh 201308 India
- Sanjeev Kumar Pippal of Professor, Department of CSE, GL Bajaj Institute of Tech. & Management Greater Noida Uttar Pradesh 201306 India
- Ganesh Gupta of Associate Professor, Department of CSE, GL Bajaj Institute of Tech. & Management Greater Noida Uttar Pradesh 201306 India
- Shivani Joshi of Professor, Department of CSE, GL Bajaj Institute of Tech. & Management Greater Noida Uttar Pradesh 201306 India

Title of invention:

A SYSTEM FOR EXCHANGING MEDIA BETWEEN ENTITIES

Name of inventor(s):

Singh, Pankaj; Shukla, Abhishek; Mishra, Pradeep; Pandey, Ritesh; Ali, Kunwar Babar; Srivastava, Prabhat Kumar; Upmanu, Vishal; Dwivedi, Avinash; Pippal, Sanjiv Kumar; Gupta, Ganesh and Joshi, Shivani

Term of Patent:

Eight years from 26 June 2021




Director
R.D. Engineering College
Duhai, Ghaziabad

Dated this 4th day of August 2021
Commissioner of Patents



32

R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

Research Promotion Incentive Requisition Form

Date: 26/06/2021

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Vishal Upmanu

Designation: A.P

Department: E.C

Academic Session: 2021-22

Details of Research activity for which incentive is claimed:

A system for Exchanging media Between Entities
(Patent)

Amount to be paid: 10000/-

Signature of Candidate

Verified by HOD




Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 25/6/21 2022

Received the sum of Rupees Ten Thousand
Rupees only

on account of
 by Cash /cheque No. 75000 Dated

Rs. 10,000

Signature



PARTICULARS	Amount	
	Rs.	P.
DEBIT Faculty Welfare A/c	10000	2
Being amount of paid to Mr. Dr. Vistel upmanu for A system for Exchanging Media Between Entities for Australian Innovation Patent		
Total Rs.	10000	
CREDIT		
Cash	10000	
Ten thousand only		
Total Rs.	10000	2


 Accountant


 Director
 R.D. Engineering College
 Durgam
 Authorised by



Australian Government

IP Australia

35

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103856

The Commissioner of Patents has granted the above patent on 25 August 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Pankaj Kumar Singh of Director-Research, Department of Civil, R D Engineering College Ghaziabad Uttar Pradesh 201206 India

Ravi Shankar Singh of Dept. of Biochemistry, Microbiology & Immunology, University of Saskatchewan Saskatoon Saskatchewan S7N 5E5 Canada

Sanjeev Singh of Professor, Dept. Of Civil Engineering, KIET Group of Institution Ghaziabad Uttar Pradesh 201206 India

Abhishek Singh of Assistant Professor, Dept. of Chemistry, Udai Pratap College Varanasi Uttar Pradesh 221002 India

Sanjay Paliwal of Associate Professor, Dept. of Mechanical, Engineering, R D Engineering College Ghaziabad Uttar Pradesh 201206 India

Ashutosh Singh of Associate Professor, Dept. of Chemistry, K.S. Saket PG College Ayodhya Uttar Pradesh 224001 India

Shilpi Singh of Professor, R D Engineering College Ghaziabad Uttar Pradesh 201206 India

Title of invention:

A METHYL Hg CONTAMINATED WASTEWATER TREATMENT

Name of inventor(s):

Singh, Pankaj Kumar; Singh, Ravi Shankar; Singh, Sanjeev; Singh, Abhishek; Paliwal, Sanjay; Singh, Ashutosh and Singh, Shilpi

Term of Patent:

Eight years from 4 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.




Director
R.D. Engineering College
Duhai, Ghaziabad

Dated this 25th day of August 2021

Commissioner of Patents





R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

34

Research Promotion Incentive Requisition Form

Date: 04/07/2021

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Sanjay Palival

Designation: A.P

Department: M.E

Academic Session: 2021-22

Details of Research activity for which incentive is claimed:

A Methyl Hg contaminated wastewater Treatment (Patent).

Amount to be paid: 10000/-

Signature of Candidate

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 4/7/21 202


PARTICULARS	Amount	
	Rs.	P.
DEBIT Faculty Welfare A/c	10000	2
Being amount paid to Mr. Sahjay Palivda for A Meliya Hg. Contaminated Wastewater Treatment for Australian Innovation Plant		/
Total Rs.	10000	2
CREDIT cash	10000	
Ten thousand only		
Total Rs.	10000	2

Received the sum of Rupees Ten Thousand Rupees only

on account of

by Cash /cheque No. Dated

Rs. 10,000

Signature 


Accountant

Director
R.D. Engineering College
[Authorized by] had



Australian Government
IP Australia

Year-2021 Dr. Shalpi Singh (MBA) / Shalpi Singh (MBA)
Sanjay Paliwal 37
Mechanical

Shaaswat Sharma **CERTIFICATE OF GRANT**
INNOVATION PATENT

Patent number: 2021105625

The Commissioner of Patents has granted the above patent on 17 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

R D Engineering College of NH No.58, Delhi - Meerut Expy, Duhai Ghaziabad Uttar Pradesh 201206 India
University of Saskatchewan of Saskatoon Saskatoon Saskatchewan S7N 5E5 Canada
Fortis Escorts Heart Institute of Okhla New Delhi Delhi 110025 India

Title of invention:

NOVEL CROP RECOGNITION TECHNIQUES FOR WEED CONTROL OF SELF LIFE OF CROPS AND HUMANS

Name of inventor(s):

Singh, Pankaj Kumar; Singh, Ravi Shankar; Bhadoriya, Shailendra S.; Sharma, Shaaswat; Singh, Manoj Kumar; Singh, Sanjeev; Paliwal, Sanjay; Upmanu, Vishal and Sharma, Sanjeev

Term of Patent:

Eight years from 17 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



[Signature]
Director
R.D. Engineering College
Duhai, Ghaziabad



Dated this 17th day of November 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

36

Research Promotion Incentive Requisition Form

Date: 17/08/2021

Name of Institute: R. D. Engineering College, Ghaziabad

Name of Faculty: Sanjeev Sharma

Designation: A.P

Department: EC

Academic Session: 2021-22

Details of Research activity for which incentive is claimed:

Novel Crop Recognition Techniques for weed control
(Patent)

Amount to be paid: 10000 /-

Signature of Candidate

Sanjeev

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 17/9/21 202

Received the sum of Rupees Ten thousand only
 on account of
 by Cash /cheque No. Dated
 Rs. 10,000

PARTICULARS	Rs.	P.
DEBIT Faculty Welfare A/c	10000	2
Being amount paid to Mr. Sanjeev Sharma for Novel Corp.		
Recognition Technician for webd control for IBM		✓
Total Rs.	10000	
CREDIT Cash	10000	
Ten thousand only		✓
Total Rs.	10000	2

Signature 


 Accountant


 Director
 R.D. Engineering College
 Duhan, Ghaziabad



39



This is to certify that

Dr. Vishal Upmannu

successfully completed and received a passing grade in

Data visualization

(CEDVIN, provided by IBMCEP)

A course on [excelr.skillsnetwork.site](https://www.excelr.com)

Powered by IBM Developer Skills Network.

Issued by
Excelr Solutions

Jagadisha Bhat

Country Manager - Software Services
IBM India Pvt Ltd

Ram Tawa

CEO
Excelr Solutions

Director College
R.D. Engineering College
Duhai, Ghaziabad

June 25, 2022

Authenticity of this certificate can be validated by going to:

<https://courses.excelr.skillsnetwork.site/certificates/41394a6aeba142c29d0f452e4df2f784>



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

38

Research Promotion Incentive Requisition Form

Date:

Name of Institute: R. D. Engineering College, Ghaziabad

Name of Faculty: Vishal Upmanu

Designation: A.P

Department: E.C.E

Academic Session: 2021-22

Details of Research activity for which incentive is claimed:

Data Science Course (IBM)

Amount to be paid: 35000/-

Signature of Candidate

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

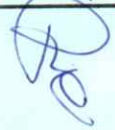
R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS BANK VOUCHER

Voucher No.

Date 9/2/23 202

PARTICULARS	Rs.	Amount	P.
DEBIT Faculty Welfare A/c	35000		✓
Being amount paid to Mr. Vishal			
Uphalke for Data Science			/
course part Th. cheque No.			
240063 dt. 9/2/23			
Total Rs.	35000		
CREDIT Indian Bank	35000		/
Total Rs.	35000		✓

Received the sum of Rupees Rs. 240063 dt. 9/2/23
 on account of
 by Cash /cheque No. Dated

Signature



 Accountant

Director
 R.D. Engineering College
 Duha, Ghaziabad
 Authorised by 

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111019114 A

(19) INDIA

(22) Date of filing of Application :26/04/2021

(43) Publication Date : 30/04/2021

(54) Title of the invention : A METHOD FOR TREATMENT OF METHYL HG CONTAMINATED WATER

(51) International classification

:C02F0003320000,
A61K0035620000,
C12N0001120000,
C02F0103000000,
A01K0067033000

(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

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Pankaj Kumar Singh

Address of Applicant :R.D. Engineering College 8th KM Mile
Stone from Ghaziabad National Highway(NH) No.58, Delhi -
Meerut Expy, Duhai, Ghaziabad, Uttar Pradesh 201206 Uttar
Pradesh India

2)Ravi Shanker Singh

3)Shivesh Pratap Singh

4)Sanjay Paliwal

5)Jamal Mohammed

6)Abhishek Singh

7)Supriya

(72)Name of Inventor :

1)Pankaj Kumar Singh

2)Ravi Shanker Singh

3)Shivesh Pratap Singh

4)Sanjay Paliwal

5)Jamal Mohammed

6)Abhishek Singh

7)Supriya

*R.D. Engg. college
Dr. Shilpi Singh
Dr. Parmanjot Kumar
Dr. Urvasi Malakar
~~Dr. Ravinder Singh~~
Dr. E.K.S.*

(57) Abstract :

The present disclosure relates to a composition for remediating methyl mercury contaminated water is disclosed. The composition includes an earthworm *Eisenia fetida*, algae consortia, and an adsorbent. The earthworm can feed on the algae consortia to survive in the water undergoing contamination therethrough. The algae consortium includes red algae, brown algae, and green algae. The treated water has COD in the range of 80-90%. The treated water has BOD>90%.

No. of Pages : 11 No. of Claims : 7

** Reply filed. Application in amended examination.*



[Signature]
Director
R.D. Engineering College
Ghaziabad, Uttar Pradesh



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

40

Research Promotion Incentive Requisition Form

Date: 30/04/2021

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Pankaj Singh

Designation: A.P

Department: C.E

Academic Session: 2020-21

Details of Research activity for which incentive is claimed:

A method for Treatment of Methyl (Patent)

Amount to be paid: 10000/-

Signature of Candidate

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 30/4/21..202

PARTICULARS	Rs.	Amount	P.
DEBIT Faculty Welfare A/c	10000		
Being amount paid to Mr Dr. Ranvir Singh for A Method for Treatment of Melkly for official			/
Journal of Patent office			
Total Rs.	10000		
CREDIT cash	10000		
Ten thousand only			/
Total Rs.	10000		

Received the sum of Rupees 10000/- Ten thousand only

on account of
by Cash /cheque No. Dated

Rs. 10550/-

Signature 


Accountant

Director
R.D. Engineering College
Dera, Ghazipur
Authorised by 

43

9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111013581 A

(19) INDIA

(22) Date of filing of Application :26/03/2021

(43) Publication Date : 02/04/2021

(54) Title of the invention : A MICROBIAL CONSORTIUM FOR TREATMENT OF INDUSTRIAL WASTEWATER AND A METHOD THEREFOR

(51) International classification :C12N0001120000,
C02F0003320000,
C12N0001200000,
C12N0001140000,
C12P0039000000

(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
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Pankaj Kumar Singh
Address of Applicant :R.D Engineering College 8th km
milestone from Ghaziabad National Highway(NH) no. 58, Delhi-
Meerut Expressway, Duhai Ghaziabad Uttar Pradesh INDIA
201206 Uttar Pradesh India

2)Sanjeev Singh
3)Avinash Dwivedi
4)Ravi Shankar Singh
5)Sanjay Paliwal
6)Vrunda Karve
7)Rajdev Tiwari
8)Reema Kohli
9)Jyoti Sharma
10)Rashmi singh
11)G.L Tiwari

(72)Name of Inventor :
1)Pankaj Kumar Singh
2)Sanjeev Singh
3)Avinash Dwivedi
4)Ravi Shankar Singh
5)Sanjay Paliwal
6)Vrunda Karve
7)Rajdev Tiwari
8)Reema Kohli
9)Jyoti Sharma
10)Rashmi singh
11)G.L Tiwari

(57) Abstract :

The present disclosure relates to a microbial consortium for treatment of industrial wastewater, and a method therefor. The consortium includes an inoculation of a filamentous fungus, and at least one green microalga deployed into industrial wastewater. The filamentous fungus is *Aspergillus niger* and the microalgae is *Chlorella vulgaris*. Spores of each of the consortium are of size in the range of 1.0E5/L to 1.2E9/L. The consortium further includes nanoparticles/nanomaterials, and/or combinations thereof. The consortium is deployed into industrial wastewater in forms selected from a group consisting of a sachet, a powder, a liquid, a spray, fumes, a gas, and so on.

No. of Pages : 20 No. of Claims : 8

Application in Exam (R)



Director
R.D. Engineering College
Duhai, Ghaziabad



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

42

Research Promotion Incentive Requisition Form

Date: 02/04/2024

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Sanjay Palival

Designation: A.P

Department: M.E

Academic Session: 2020-21

Details of Research activity for which incentive is claimed:

A Microbial Consortium for Treatment (Patent)

Amount to be paid: 10000.00/-

Signature of Candidate

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 2/4/21 202

PARTICULARS	Amount	
	Rs.	P.
DEBIT Faculty Welfare A/c	10000	
Being amount of A Microbial		
consultation for Treatment paid		
to Mr. Sanjay Palived for official		
Journal of Patent office		
Total Rs.	10000	
CREDIT cash	10000	
Ten thousand only		
Total Rs.	10000	

Received the sum of Rupees Ten

thousand only

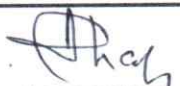
on account of

by Cash /cheque No. Dated

Rs. 10000/-



Signature


Accountant


 Director
 R.D. Engineering College
 Duhai, Ghaziabad
Authorised by

2) PATENT APPLICATION PUBLICATION

(21) Application No.202011029806 A

45

2

9) INDIA

(43) Publication Date : 28/08/2020

2) Date of filing of Application :13/07/2020

4) Title of the invention : METHOD FOR EXTRACTING GALACTOMANNAN FROM PLANT LEUCAENA EUCEOEPHALA

51) International classification

31) Priority Document No

32) Priority Date

33) Name of priority country

36) International Application No
Filing Date

37) International Publication No

51) Patent of Addition to Application Number
Filing Date

62) Divisional to Application Number
Filing Date

:A01N

65/00

:NA

:NA

:NA

:NA

:NA

:NA

:NA

:NA

:NA

:NA

(71)Name of Applicant :

1)Prof.(Dr.) Pankaj Kumar Singh

Address of Applicant :R.D. Engineering College 8 th KM Mile
Stone from Ghaziabad National Highway(NH) No.58, Delhi -
Meerut Expy, Duhai, Ghaziabad, Uttar Pradesh 201206 Uttar
Pradesh India

2)Dr Prashant Singh

3)Dr Vivek Singh

4)Dr. Gaurav Kumar Rastogi

5)Dr Ashish Kumar Dwivedi

(72)Name of Inventor :

1)Prof.(Dr.) Pankaj Kumar Singh

2)Dr Prashant Singh

3)Dr Vivek Singh

4)Dr. Gaurav Kumar Rastogi

5)Dr Ashish Kumar Dwivedi

57) Abstract :

The present invention provides a method for extracting a Leucaena leucocephala plant seed extract galactomannan. A method for extracting a Leucaena leucocephala plant seed extract, which includes crushing seeds, followed by extraction with a solvent.

No. of Pages : 22 No. of Claims : 10



Director
R.D. Engineering College
Duhai, Ghaziabad



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Research Promotion Incentive Requisition Form

Date: 28/08/2020

Name of Institute: R. D. Engineering college, Ghaziabad

Name of Faculty: Dr. Gourav Rastogi

Designation: A.P

Department: AS & H

Academic Session: 2020-21

Details of Research activity for which incentive is claimed:

Method for Extracting Gals domannan (Patent)

Amount to be paid: 10,000/-

Signature of Candidate

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad
Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

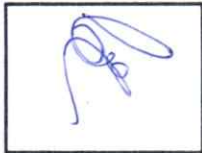
CASH VOUCHER

Voucher No.

Date 28/12/2022

Received the sum of Rupees 10,000/- only
 on account of Ten thousand
 by Cash /cheque No. Dated

Signature



PARTICULARS	Rs.	Amount	P.
DEBIT Faculty Welfare A/c	10000		
Being amount paid to Mr. Gautam			
Mr. Rastogi for Method For			
Extracting Galactomannan for			
official Journal of Patent office			
Total Rs.	10000		
CREDIT			
Cash	10000		
Ten thousand only			
Total Rs.	10000		


 Accountant


 Director
 R.D. Engineering College
 Duha, Ghaziabad

47
3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(21) Application No.202011030466 A

(22) Date of filing of Application :16/07/2020

(43) Publication Date : 28/08/2020

(54) Title of the invention : METHOD FOR TREATING WASTEWATER USING FLY ASH AS ADSORBENT

(51) International classification :C04B
(31) Priority Document No 33/135
(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
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Prof.(Dr.) Pankaj Kumar Singh
Address of Applicant :R.D. Engineering College 8 th KM Mile
Stone from Ghaziabad National Highway(NH) No.58, Delhi -
Meerut Expy, Duhai, Ghaziabad, Uttar Pradesh 201206 Uttar
Pradesh India
2)Jyoti Sharma
3)Dr Vivek Singh
4)Dr Prashant Singh
5)Shashi Bhushan Suman
6)Sanjay Paliwal
(72)Name of Inventor :
1)Prof.(Dr.) Pankaj Kumar Singh
2)Jyoti Sharma
3)Dr Vivek Singh
4)Dr Prashant Singh
5)Shashi Bhushan Suman
6)Sanjay Paliwal

(57) Abstract :
The present disclosure relates to a cost-effective wastewater treatment method. More specifically the present disclosure focuses on effect of parameters such as combination ratio of fly ash and wood ash, contact time, adsorbent dosage and particle size of adsorbent along with 5 microalgae for treatment of wastewater. The present disclosure focuses on the use of fly ash alone and optionally in combination with microalgae as an effective method for wastewater treatment.

No. of Pages : 25 No. of Claims : 10

Granted warty NBA




Director
R.D. Engineering College
Duhai, Ghaziabad



(46)

R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

Research Promotion Incentive Requisition Form

Date: 28/08/2020

Name of Institute: R. D. Engineering College, Ghaziabad

Name of Faculty: Sanjay Palwal

Designation: A.P

Department: M.E

Academic Session: 2020-21

Details of Research activity for which incentive is claimed:

Method for treating waste water (Patent)

Amount to be paid: 10000/-

[Signature]
Signature of Candidate

[Signature]
Verified by HOD



[Signature]
Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.


Date 28/8/2022

Received the sum of Rupees 10000/- Ten thousand only


on account of
by Cash /cheque No. Dated

Rs. 10,000/-

Signature



PARTICULARS	Rs.	P.
DEBIT Faculty Welfare A/c	10000	
Being amount paid to Mr. Sanjay Palival for Method For Treating Wast Water for official Journal of Patent office		/
Total Rs.	10000	
CREDIT - cash	10000	
Then Ten thousand only		/
Total Rs.	10000	*


Accountant

Director
R.D. Engineering College
Ghaziabad

Authorized by

Title of the invention : HIGHLY EFFICIENT ACTIVE CARBON, THE PROCESS FOR PREPARATION AND USES THEREOF

<p>International classification :C13B 20/12</p> <p>Priority Document No :NA Priority Date :NA Name of priority country :NA International Application No :NA Filing Date :NA International Publication No :NA Patent of Addition to Application Number :NA Filing Date :NA Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Aatif Khan Address of Applicant :R.D. Engineering College 8 th KM Mile Stone from Ghaziabad National Highway(NH) No.58, Delhi - Meerut Expy, Duhai, Ghaziabad, Uttar Pradesh 201206 Uttar Pradesh India</p> <p>2)Rekha Sharma 3)Shashi Bhushan Suman 4)Samshul 5)Prof.(Dr.) Pankaj Kumar Singh 6)Anjali Singh</p> <p>(72)Name of Inventor : 1)Aatif Khan 2)Rekha Sharma 3)Anjali Singh 4)Prof.(Dr.) Pankaj Kumar Singh 5)Samshul 6)Shashi Bhushan Suman</p>
--	--

Abstract :
The present invention provides highly efficient active carbon which is obtained from natural resources and landfill composites and the process for preparation thereof. The present invention further relates to a method of removing toxic substances from waste water.

Number of Pages : 21 No. of Claims : 10



[Signature]
Director
R.D. Engineering College
Duhai, Ghaziabad



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

49

Research Promotion Incentive Requisition Form

Date: 28/08/2020

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Pankaj Singh

Designation: A.P

Department: C.E

Academic Session: 2020-21

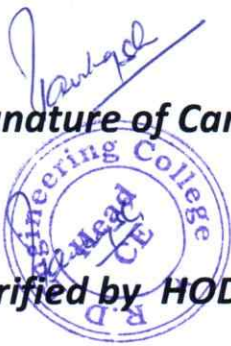
Details of Research activity for which incentive is claimed:

Highly Efficient Active Carbon (Patent)

Amount to be paid: 10000/-

Signature of Candidate

Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad
Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.


Date 28/01.....2023

Received the sum of Rupees 10000/- Ten thousand only

on account of
by Cash /cheque No. Dated

Rs. 10,000/-

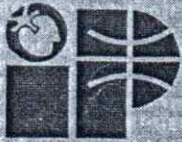
Signature



PARTICULARS	Amount	
	Rs.	P.
DEBIT Faculty Welfare A/c	10000	/
Being amount of fact faculty welfare charges paid to Mr. Dr. Ranvij singh for Highly Efficient Active carbon for official Journal of Patent office		
Total Rs.	10000	
CREDIT cash	10000	
Ten thousand only		
Total Rs.	<u>10000</u>	/


Accountant

Director
R.D. Engineering College
Authorized by



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PROPERTY INDIA**

PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

क्रमांक : 011154037
SL No :



भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

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

पेटेंट सं. / Patent No.	415092
आवेदन सं. / Application No.	202011034130
फाइल करने की तारीख / Date of Filing	09/08/2020
पेटेंटी / Patentee	1.Prof.(Dr.) Pankaj Kumar Singh 2.Dr Prashant Singh 3.Dr Vivek Singh 4.Dr. Gaurav Kumar Rastogi et al. et al. et al. et al.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित A NOVEL PROCESS FOR PREPARATION OF POLYSACCHARIDE OR ITS DERIVATIVE FROM CASSIA SEEDS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अगस्त 2020 के नौवें दिन 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 NOVEL PROCESS FOR PREPARATION OF POLYSACCHARIDE OR ITS DERIVATIVE FROM CASSIA SEEDS as disclosed in the above mentioned application for the term of 20 years from the 9th day of August 2020 in accordance with the provisions of the Patents Act,1970.

INTELLECTUAL
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IS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



अनुदान की तारीख : 21/12/2022
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अगस्त 2022 के नौवें दिन को और उसके पर्याप्त 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 9th day of August 2022 and on the same day in every year thereafter.



Director
R.D. Engineering College
Duhai, Ghaziabad



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow

52

Research Promotion Incentive Requisition Form

Date: 09/08/2020

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Pankaj Singh

Designation: A.P

Department: C.E

Academic Session: 2020-21

Details of Research activity for which incentive is claimed:

A novel Process of Preparation of Polysaccharide (Patent).

Amount to be paid: 10000/-


Signature of Candidate


Verified by HOD




Director
R.D. Engineering College
Duhai, Ghaziabad
Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 9/8/20 202

Received the sum of Rupees ten thousand only

on account of Dated

by Cash /cheque No.
Rs. 10,000/-

Signature 

PARTICULARS	Rs.	Amount	P.
DEBIT Faculty Welfare A/c	10000		/
Being amount of paid to Mr. Pankaj Singh for A Model Process of Rep Preparation of Polysaccharide for official Journal of Patent office			
Total Rs.	10000		
CREDIT Cash	10000		/
Ten thousand only			
Total Rs.	10000		


Accountant


 Director
 R.D. Engineering College
 Duhai, Ghaziabad
Authorised by

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011043301 A

(19) INDIA

(22) Date of filing of Application :05/10/2020

(43) Publication Date : 23/10/2020

(54) Title of the invention : A COMPUTER NETWORK SYSTEM FOR TRANSFERRING FILE USING NETWORK SOCKETS

(51) International classification	:H04L 29/06 H04L 29/08 H04N 21/4147	(71)Name of Applicant : 1)Prof.(Dr.) Pankaj Kumar Singh Address of Applicant :R.D. Engineering College 8 th KM Mile Stone from Ghaziabad National Highway(NH) No.58, Delhi - Meerut Expy, Duhai, Ghaziabad, Uttar Pradesh 201206 Uttar Pradesh India 2)Prabhakar Dubey 3)Dr Abhishek Shukla 4)Dr Pradeep Mishra 5)Kunwar Babar Ali 6)Dr. Prabhat Kr Srivastava 7)Dr. Ritesh Pandey
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Prof.(Dr.) Pankaj Kumar Singh 2)Prabhakar Dubey 3)Dr Abhishek Shukla 4)Dr Pradeep Mishra 5)Kunwar Babar Ali 6)Dr. Prabhat Kr Srivastava 7)Dr. Ritesh Pandey
(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	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

⑧ R.O. Engineering College

(57) Abstract :

A system of computer processing devices connected over a computer network, and adapted to transfer file transfer using network sockets. The system includes a first computer receiving device connected to a first input device, which receives a first user input for enabling 5 receiving of one or more files from the first input device, processes the first user input and creates one or more network socket for receiving the one or more files. The system further includes a second computer sending device connected to a second input device, which receives a second user input for enabling sending of one or more files from the second input device, processes the second user input and creates one or more network socket for sending the one or 10 more files. The second computer sending device further receives a file and a socket identification to which the file is to be sent, and the second computer device further processes the file and the socket identification, and generates a byte stream, and further establish connection to a network socket with the socket identification, and thereafter sends the byte stream to the network socket of the first computer receiving device. The first computer 15 receiving device receives and processes the byte stream, and generates the file. The socket is defined as a communication mechanism bound by the socket identification which is combination of IP address of computer processing device on which the socket is created, and a port number.

No. of Pages : 19 No. of Claims : 7

Awaiting Request for Examination



[Signature]
Director
R.D. Engineering College
Duhai, Ghaziabad



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

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Research Promotion Incentive Requisition Form

Date: 23/10/2020

Name of Institute: R.D. Engineering College, Ghaziabad

Name of Faculty: Abhishek Shukla

Designation: A.P

Department: CSE

Academic Session: 2022-21

Details of Research activity for which incentive is claimed:

A Computer Network System for Transferring
(Patent)

Amount to be paid: 10000/-

Signature of Candidate



Verified by HOD



Director
R.D. Engineering College
Duhai, Ghaziabad

Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 27/11/20 202

PARTICULARS	Amount	
	Rs.	P.
DEBIT Faculty Welfare A/c	10000	
Being amount of cash paid to Mr		
Akhilendra Shukla for computer		
Networks system for Proj. Patent		/
Total Rs.	10000	
CREDIT cash	10000	
Ten thousand only		/
Total Rs.	10000	

Received the sum of Rupees

10000/-

on account of

by Cash /cheque No.

Cash

Dated

Rs. 10000/-

Signature



Accountant




 Director
 R.D. Engineering College
 Duhai, Ghazipur

58
6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(21) Application No.202041040604 A

(22) Date of filing of Application :18/09/2020

(43) Publication Date : 02/10/2020

(54) Title of the invention : DECISION SUPPORT SYSTEM FOR ENERGY AND ENVIRONMENT SAVING

(51) International classification	:H04L67/125
(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
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Prof.(Dr.) Pankaj Kumar Singh
Address of Applicant :R.D. Engineering College 8 th KM Mile Stone from Ghaziabad National Highway(NH) No.58, Delhi - Meerut Expy, Duhai, Ghaziabad, Uttar Pradesh 201206 Uttar Pradesh India

2)Dr Sanjeev Singh *Dr Sanjeev Sharma*

3)Dr. Avinash Dwivedi *Dr. Sanselaha*

4)Dr Ravi Shankar Singh (Ph.D) *Dr. Pradeep Mishra*

5)Dr. Neha Sharma *Dr. Prabhakar - K.*

6)Shaaswat Sharma *Prabhakar Dubey*

(72)Name of Inventor :

1)Prof.(Dr.) Pankaj Kumar Singh *Amyam*

2)Dr Sanjeev Singh

3)Dr. Avinash Dwivedi

4)Dr Ravi Shankar Singh (Ph.D)

5)Dr. Neha Sharma

6)Shaaswat Sharma

(57) Abstract :

ABSTRACT: A decision support system for hydrological assessment for a hydrological system of a facility. The system includes a memory unit adapted to store at least a social data, a financial data, a technical data, or an environmental data, or combination thereof. a rule 5 engine adapted to store a set of rules, an input unit adapted to receive a facility input related to a facility for a hydrological assessment is to be carried out, and a processing unit adapted to receive and process the facility input, and to fetch at least the social data, the financial data, the technical data, or the environmental data, or combination thereof based on the set of rules, and to generate a hydrological assessment for the facility. 10 Figure: Fig. 1 is the representative figure.

No. of Pages : 27 No. of Claims : 3

Application in Examination (R)



[Signature]
Director
R.D. Engineering College
Duhai, Ghaziabad



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Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

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Research Promotion Incentive Requisition Form

Date: 02/10/2020

Name of Institute: R.D. Engg. college. gzb.

Name of Faculty: Dr. Pankaj Singh.

Designation: A.P.

Department: CE.

Academic Session: 2020-21

Details of Research activity for which incentive is claimed:

Discussion support system for engg and environment saving
(Patent)

Amount to be paid: 10000/-


Signature of Candidate


Verified by HOD




Director
R.D. Engineering College
Duhai, Ghaziabad
Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 23/10/23 202

by Cash /cheque No. 10,000

Dated

Signature



on account of

Received the sum of Rupees 10000/- Ten thousand only
 Received Rs. 10000/- Ten thousand only

PARTICULARS	Amount	
	Rs.	P.
DEBIT Faculty Welfare A/c	10000	
Being amount of paid to Mr. Dr. Parkash Singh for Decision support system For Energy and Environment saving for official Journal of Patent office		/
Total Rs.	10000	
CREDIT Cash	10000	
Ten thousand only		/
Total Rs.	10000	


 Accountant


 Director
 R.D. Engineering College
 Duhan, Ghaziabad
 Authorised by

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Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	201911051419
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/12/2019
APPLICANT NAME	1 . R D ENGINEERING COLLEGE 2 . Dr Shilpi Singh 3 . Dr. Parsanjeet Kumar 4 . Dr. Urvashi Makkar 5 . Prof Purna Gaur 6 . Dr Sanjeev Sharma 7 . Dr. Pankaj Singh 8 . Dr. Ravi Shankar Singh (Ph.D.) 9 . Dr. Shivani Joshi 10 . Dr. Avinash Dwivedi 11 . Dr. Vikas Chaudhary 12 . Dr.Ekta 13 . Jyoti Chaudhary
TITLE OF INVENTION	PEST DETECTION AND CONTROL SYSTEM IN SMART FARMING USING IOT
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	contact@elpisanalytix.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	27/08/2022
PUBLICATION DATE (U/S 11A)	20/12/2019




Director
R.D. Engineering College
Duhai, Ghaziabad



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr.APJ Abdul Kalam Technical University, Lucknow

60

Research Promotion Incentive Requisition Form

Date: 20/12/2019

Name of Institute: R.D. Engg. College Gzb.

Name of Faculty: Dr. Pankaj Singh.

Designation: A.P.

Department: CE.

Academic Session: 2019-20

Details of Research activity for which incentive is claimed:

Pest Detection and control system. (Patent)

Amount to be paid: 10000/-


Signature of Candidate


Verified by HOD




Director
R.D. Engineering College
Duhai, Ghaziabad
Director's Signature

Enclosure: Proof of activity as per required

R.D. ENGINEERING COLLEGE TECHNICAL CAMPUS

CASH VOUCHER

Voucher No.

Date 20/12/20 202

Received the sum of Rupees

only Ten thousand

on account of

by Cash /cheque No.

Rs. 10,000/-

Dated

DEBIT	PARTICULARS	Amount	
		Rs.	P.
	Faculty welfare A/c	10000	
	Being amount of patent charge paid to Mr. Dr. Pankaj Singh for Pest Detection & control system for official Journal of Patent office		/
	Total Rs.	10000	
CREDIT	cash	10000	
	Ten thousand only		/
	Total Rs.	10000	

Signature

Phal
Accountant

Authorised by