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Vidya Vihar, Bhubaneswar-751022, Odisha

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3.4.2.1. Total number of Patents awarded during the last five years

Sl no.	Name of the Teacher	Patent number	Title of the patent	Year of Award/ Publish of patent
1	Dr. Raj Kumar Joshi	202022104748 (German patent)	A system for rapid detection of disease resistant onion plants using nucleotide specific markers	2023
2	Prof. Sasmita Mohanty	202023101314 (German patent)	A system for evaluating the effect of brewer's yeast-based diet on fish physiology	2023
3	Dr. Raj Kumar Joshi	202022100303 (German patent)	A system for an efficient identification of purple blotch resistance in onion	2022
4	Dr. Raj Kumar Joshi	2021104155 (Australian patent)	Methods for molecular mapping and developing diagnostic markers for detecting anthracnose resistance in chili pepper	2021
5	Dr. Raj Kumar Joshi	2021105189 (Australian patent)	A method for creating novel anthracnose resistant pepper plants using genome modification technique	2021
6	Dr. Bibudhendu Pati	2020102321 (Australian patent)	Datalet: an approach to manage big volume of data in cyber foraged environment	2020
7	Dr. Debabala Swain	202131025147 (Indian patent)	A SMART AND SAFETY CANE.....ELDERLY PERSONS	2021
8	Dr. Debabala Swain	202231010931 (Indian patent)	A smart health watcher with emergency alert system using IOMT	2022
9	Dr. Shakti Kanta Rath	202031056520 (Indian patent)	A Field Compatible Bio- composition For Degradation of Organophosphate Insecticides	2020 (filed & under evaluation)
10	Dr. Alok Prasad Das	201931005027 (Indian patent)	A modified cloth filter for washing machine and method for removal of microfibers	2019 (filed & under evaluation)
11	Dr. Sasmita Behera	201931047543 (Indian patent)	A new cooking device for beginners to master food items individually/collectively thereof	2019 (filed & under evaluation)

Director, IQAC
Director IQAC
Rama Devi Women's University
Bhubaneswar

Registrar
20/11/2023
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(12) **Gebrauchsmusterschrift**

(21) Aktenzeichen: **20 2022 104 748.0**

(22) Anmeldetag: **22.08.2022**

(47) Eintragungstag: **19.06.2023**

(45) Bekanntmachungstag im Patentblatt: **27.07.2023**

(51) Int Cl.: **C12Q 1/6869 (2018.01)**

C12Q 1/6876 (2018.01)

C12Q 1/6806 (2018.01)

C12Q 1/68 (2018.01)

(73) Name und Wohnsitz des Inhabers:

Joshi, Raj Kumar, Bhubaneswar, Odisha, IN;
Mahanty, Bijayalaxmi, Bhubaneswar, Odisha, IN;
Mishra, Rukmini, Bhubaneswar, Odisha, IN;
Sahoo, Jayashree, Bhubaneswar, Odisha, IN

(74) Name und Wohnsitz des Vertreters:

Hohendorf Kierdorf Patentanwälte PartGmbB,
50672 Köln, DE

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen.

(54) Bezeichnung: **Ein System zum schnellen Nachweis von krankheitsresistenten Zwiebelpflanzen unter Verwendung von nukleotidspezifischen Markern**

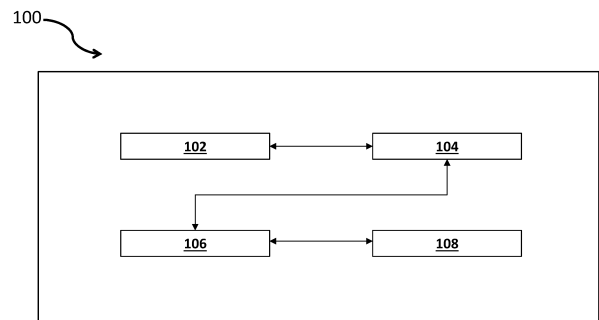
(57) Hauptanspruch: System zum schnellen Nachweis von krankheitsresistenten Zwiebelpflanzen unter Verwendung von nukleotidspezifischen Markern, wobei das System umfasst:

eine Vorverarbeitungseinheit zur Übertragung von pathogenen Myzelsteckern auf ein frisch zubereitetes Kartoffeldextrose-Agar (PDA)-Medium und zur Vermehrung bei 25 °C für 2 Tage;

eine Behandlungseinheit zum Mischen der Pilzkultur mit 100 ml sterilisiertem destilliertem Wasser, um eine Sporensuspension mit einer Konzentration von 10⁶ Sporen/ml herzustellen, wobei die oberflächlich sterilisierten Blätter der Sämlinge mit Nadeln angestochen und mit der Sporensuspension besprüht werden, bis sie ablaufen;

ein Gewächshaus, in dem die geimpften Setzlinge bei einer 12-stündigen Photoperiode mit 25 ± 1 °C und 85 % relativer Luftfeuchtigkeit gehalten werden; und

eine Kontrolleinheit zum Nachweis von 27 SNPs als Kandidatenmarker, die mit dem Resistenzlocus verbunden sind, durch Korrelationsanalyse zwischen Markergenotypen und dem PB-Krankheitsphänotyp an den 20 Pflanzen, wobei Kandidaten-SNP-Marker durch RAD-Sequenzierung und Bulk-Segregant-Analyse nachgewiesen werden, wobei die Krankheitsschwere nach 7 Tagen bewertet wird.





(12)

Gebrauchsmusterschrift

(21) Aktenzeichen: **20 2023 101 314.7**

(22) Anmeldetag: **16.03.2023**

(47) Eintragungstag: **26.04.2023**

(45) Bekanntmachungstag im Patentblatt: **01.06.2023**

(51) Int Cl.: **A01K 61/10** (2017.01)
A23K 50/80 (2016.01)

(73) Name und Wohnsitz des Inhabers:

Mahanty, Arabinda, Dr., Komna, Odisha, IN;
Mohanty, Bimal Prasanna, Dr., New Delhi, IN;
Mohanty, Sasmita, Dr., Bhubaneswar, Odisha, IN;
Pradhan, Debashish, Khorda, Odisha, IN;
Samantaray, Kasturi, Dr., Khorda, Odisha, IN

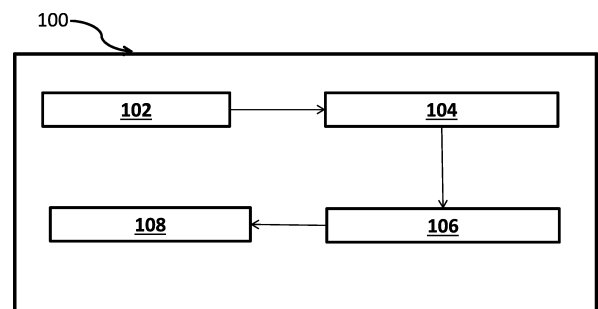
(74) Name und Wohnsitz des Vertreters:

Hohendorf Kierdorf Patentanwälte PartGmbH,
50672 Köln, DE

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen.

(54) Bezeichnung: **Ein System zur Bewertung der Auswirkung von bierhefe-basierter Diät auf die Physiologie von Fischen**

(57) Hauptanspruch: Ein System zur Bewertung des Einflusses einer auf Bierhefe basierenden Ernährung auf die Physiologie von Fischen, das System umfasst:
eine Sammel- und Verarbeitungseinheit zum Sammeln der Bierhefeaufschlammung und dann zum Vorbereiten der verarbeiteten verbrauchten Bierhefe für die Futterformulierung;
eine Futterzubereitungseinheit zum Formulieren des Futters unter Verwendung der verarbeiteten verbrauchten Bierhefe, wobei sechs verschiedene isostickstoffhaltige und isokalorische Diäten zubereitet werden, indem Fischmehl durch unterschiedliche Konzentrationen verbrauchter Bierhefe auf einem abgestuften Niveau ersetzt wird, und verschiedene andere Komponenten sind ebenfalls vorhanden hinzugefügt, um das Futter zuzubereiten;
eine experimentelle Einheit, die eine Vielzahl von Tanks aus verstärktem Kunststoff enthält, in denen eine Vielzahl von Rohu-Kleinfischen in jeden Tank gegeben werden, um sie zu füttern, um das Experiment für einen bestimmten Zeitraum durchzuführen, Und
eine Auswertungseinheit zur Durchführung mehrerer Auswertungen und Analysen, um die Auswirkungen von mit Bierhefe versetztem Futter zu verstehen, das den Rohu-Kleinfischen in den verstärkten Kunststofftanks für einen bestimmten Zeitraum verabreicht wird.





(10) **DE 20 2022 100 303 U1** 2022.03.24

(12) **Gebrauchsmusterschrift**

(21) Aktenzeichen: **20 2022 100 303.3**

(22) Anmeldetag: **20.01.2022**

(47) Eintragungstag: **15.02.2022**

(45) Bekanntmachungstag im Patentblatt: **24.03.2022**

(51) Int Cl.: **C12Q 1/6895** (2018.01)

C12Q 1/68 (2018.01)

C12Q 1/686 (2018.01)

(73) Name und Wohnsitz des Inhabers:

Chand, Subodh Kumar, Bolangir, Odisha, IN;
Joshi, Raj Kumar, Bhubaneswar, Odisha, IN;
Mishra, Rukmini, Bhubaneswar, Odisha, IN;
Nanda, Satyabrata, R.Sitapur, Odisha, IN

(74) Name und Wohnsitz des Vertreters:

Hohendorf Kierdorf Patentanwälte PartGmbH,
50672 Köln, DE

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen.

(54) Bezeichnung: **Ein System zur effizienten Identifizierung der Resistenz gegen die Purpurfleckenkrankheit bei Zwiebeln**

(57) Hauptanspruch: System zur effizienten Identifizierung der Resistenz gegen Purpurfleckenkrankheit (PB) bei Zwiebeln, wobei das System umfasst:

eine Phänotypisierungseinheit zur Durchführung der Identifizierung von Krankheitsphänotypen, wobei ArkaKalyan mit Agrifound Rose gekreuzt wird und die segregierenden Populationen der Pflanzen F_1 (108 Pflanzen), F_2 (498 Pflanzen) und BC_1F_1 (128 Pflanzen) zur phänotypischen Identifizierung während der Krankheitsreaktion markiert werden;

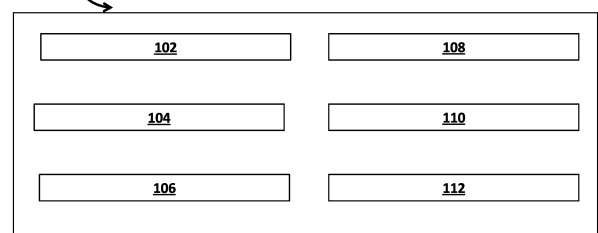
eine Isolierungseinheit zur Durchführung der DNA-Isolierung, bei der die gesamte genomische DNA aus jungen zarten Blättern unter Verwendung der Cetyltrimethylammoniumbromid (CTAB)-Methode isoliert wird und dann die gereinigte DNA auf eine Endkonzentration von 25 $\mu\text{g}/\mu\text{l}$ in TE-Puffer zur Verwendung in der Molekularmarkeranalyse verdünnt wird;

eine ISSR-Analyseeinheit zur Durchführung der ISSR-Amplifikation, in der die gleiche Menge an DNA von 10 resistenten und 10 anfälligen F_2 -Pflanzen gemischt wird, um resistente und anfällige Pools zur Durchführung einer Massen-Segregationsanalyse zu erhalten;

eine STS-Marker-Einheit zum Entwickeln eines STS-Markers und zum Durchführen einer Analyse desselben, wobei PCR-Reaktionen und Amplifikationen durchgeführt werden, und wobei die Resistenzspezifität des STS-Markers mit 20 resistenten und anfälligen, die zufällig aus der F_2 -Population ausgewählt werden, validiert wird;

eine Blotting-Einheit zur Durchführung einer Southern-Blot-Analyse durch Blotting der ...

100





Australian Government

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CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021104155

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):

Rukmini Mishra of Department of Botany, School of Applied Sciences, Centurion University of Technology and Management Odisha India

Raj Kumar Joshi of Department of Biotechnology, Rama Devi Women's University, Bhubaneswar Odisha 751022 India

Title of invention:

METHOD FOR MOLECULAR MAPPING AND DEVELOPING DIAGNOSTIC MARKERS FOR DETECTING ANTHRACNOSE RESISTANCE IN CHILI PEPPER

Name of inventor(s):

Mishra, Rukmini; Joshi, Raj Kumar; Rout, Ellojita and Mohanty, Jatindra Nath

Term of Patent:

Eight years from 14 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.



Dated this 25th day of August 2021

Commissioner of Patents

PATENTS ACT 1990

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Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021105189

The Commissioner of Patents has granted the above patent on 27 October 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Raj Kumar Joshi of Department of Biotechnology, Rama Devi Women's University Bhubaneswar Odisha 751022
India

Rukmini Mishra of Department of Botany, School of Applied Sciences, Centurion University of Technology and Management Odisha India

Title of invention:

A METHOD FOR CREATING NOVEL ANTHRACNOSE RESISTANT PEPPER PLANTS USING GENOME MODIFICATION TECHNIQUE

Name of inventor(s):

Joshi, Raj Kumar; Mishra, Rukmini; Mohanty, Jatindra Nath and Mahanty, Bijayalaxmi

Term of Patent:

Eight years from 9 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.



Dated this 27th day of October 2021

Commissioner of Patents

PATENTS ACT 1990

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CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020102321

The Commissioner of Patents has granted the above patent on 17 October 2020, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Bibudhendu Pati, Associate Professor, Department of Computer Science, Rama Devi Women's University, Bhubaneswar, Odisha, India

Chhabi Rani Panigrahi, Assistant Professor, Department of Computer Science, Rama Devi Women's University, Bhubaneswar, Odisha, India

Rajkumar Buyya, Professor, School of Computing and Information Systems, University of Melbourne, Australia

Sudip Misra, Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur, India

Prasant Mohapatra, Vice Chancellor for Research, Distinguished Professor of Computer Science, University of California, Davis, USA

Kuan-Ching Li, Professor, Department of Computer Science and Information Engineering, Providence University, Taiwan

Sheng-Lung Peng, Professor, Department of Computer Science, National Dong Hwa University, Taiwan

Borko Furht, Professor, Department of Computer & Electrical Engineering and Computer Science, Florida Atlantic University, USA

Howard Elman, Professor, Department of Computer Science, University of Maryland, College Park, USA

Chitta Baral, Professor, Department of Computer Science and Engineering, Arizona State University, USA

Title of invention:

DATALET: AN APPROACH TO MANAGE BIG VOLUME OF DATA IN CYBER FORAGED ENVIRONMENT

Name of inventor(s):

Bibudhendu Pati, Chhabi Rani Panigrahi, Rajkumar Buyya, Sudip Misra, Prasant Mohapatra, Kuan-Ching Li, Sheng-Lung Peng, Borko Furht, Howard Elman, and Chitta Baral

Term of Patent:

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.



Dated this 17th day of October 2020

Commissioner of Patents

PATENTS ACT 1990

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E-mail : kolkata-patent@nic.in
Web Site : www.ipindia.gov.in



Docket NO : 18726

Date/Time : 2021/06/07 12:06:23

To

Agent Number:

DR DEBABALA SWAIN, DR DEBABRATA SWAIN, MS SONY SNIGDHA AND MR BIJAY KUMAR PAIKARAY
203, UDAYANATH ENCLAVE, TAMANDO, BHUBANESWAR, ODISHA, INDIA- 751028

Sr. No.	CBR Number	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid	Amount Computed
1	7935	ORDINARY APPLICATION Pages:-14 , Claims:-6,Drawings:- 0,Abstract:-1,Claims pages:-1	202131025147	A SMART AND SAFETY CANE.....ELDERLY PERSONS	1750	1750
2		E-2/164/2021-KOL	202131025147	Form2	0	0
3		E-3/6236/2021-KOL	202131025147	Form3	0	0
4		E-5/402/2021-KOL	202131025147	Form5	0	0
Total Amount					1750	1750

Received a sum of Rs. 1750 (Rupees One Thousand Seven Hundred & Fifty only) as under

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Draft	STATE BANK OF INDIA	097793	24/05/2021	1750

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Application Filing Receipt

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e-mail: kolkata-patent@nic.in

CBR Number : 2559

CBR date: 01-03-2022

Application Type: ORDINARY APPLICATION

Priority Number:

Priority Date:

Priority Country: Not Selected

To,

DR.DEBABALA SWAIN

C/O DR.DEBABALA SWAIN 203,UDYANATH ENCLAVE, TAMANDO, BHUBANESWAR, ODISHA, PIN-751028,INDIA

Received documents purporting to be to an application for patent numbered 202231010931 dated 01-03-2022 by DR.DEBABALA SWAIN of 203,UDYANATH ENCLAVE, TAMANDO, BHUBANESWAR, ODISHA, PIN-751028,INDIA relating to A SMART HEALTH WATCHER WITH EMERGENCY ALERT SYSTEM USING IOMT together with the Complete and fee(s) of ₹1750 (One Thousand Seven Hundred & Fifty 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 wish so. If, in addition to withdrawal, you also wish to prevent 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 is 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 wish 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)

Controller General of Patents, Designs & Trade
Marks



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



Docket No 47549

Date/Time 2020/12/27 10:41:43

Hima Bindu Atti HIG-421, MANSITA,
ABOVE PUNJAB NATIONAL BANK,
MIDHILAPURI VUDA COLONY,
P.M.PALEM,VISAKHAPATNAM-530041
Email: hima@novelpatent.com

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Fee Payment	Remarks
1	202031056519	TEMP/E-1/61807/2020-KOL	1600	23654	FORM 1	Full	Robot Controller Kit for Learning and IoT Operations
2	202031056520	TEMP/E-1/61619/2020-KOL	1600	23654	FORM 1	Full	A Field Compatible Bio-Fungal Composition for Degradation of Organophosphate Insecticides

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0000741948	Online Bank Transfer	2712200000582	3200.00	1475001020000001

Total Amount : ₹ 3200

Amount in Words: Rupees Three Thousand Two Hundred Only

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CHALLAN : TR-5

DOCKET NO :22146

To,
MS SHREYA GHOSH, DR ALOK PRASAD DAS

ODISHA

Agent Number:

Sr. No.	CBR No.	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid
1	17506	ORDINARY APPLICATION	201731027325	A PROCESS FOR MICROBIAL LEACHING OF MANGANESE	1750
2		E-2/178/2017-KOL	201731027325	Form2	0
3		E-3/3450/2017-KOL	201731027325	Form3	0
Total :					1750

Received a sum of Rs. 1750 (Rupees One Thousand Seven Hundred & Fifty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Draft	Panjab National Bank	155112	26/07/2017	1750

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

सत्यमेव जयते



Application Details	
APPLICATION NUMBER	201931047543
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/11/2019
APPLICANT NAME	1 . DR.SASMITA BEHERA 2 . DR.SUSANTA KUMAR ROUT 3 . MR.BHABANI SANKAR MOHAPATRA
TITLE OF INVENTION	A NEW COOKING DEVICE FOR BEGINNERS TO MASTER FOOD ITEMS INDIVIDUALLY/COLLECTIVELY THEREOF
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	sasmita1965@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	20/10/2020
PUBLICATION DATE (U/S 11A)	28/05/2021