पेटेंट कार्यालय शासकीय जर्नल

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(22) Date of filing of Application :22/12/2022

(21) Application No.202241074548 A

(43) Publication Date: 06/01/2023

(54) Title of the invention: MACHINE LEARNING BASED TECHNIQUE FOR RETRIEVAL OF SPECIALISED VOCABULARY LIST FROM AN ORIGINAL CORPUS OF DIGITAL SCIENCE RESOURCES FOR MIDDLE SCHOOL LEARNERS

(51) International classification G06K0009620000, G09B0019220000 :G06N0020000000, G06N0020200000, G09B0023060000, ·PCT// :01/01/1900 : NA :NA

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(57) Abstract:

Machine Learning based technique for Retrieval of Specialised Vocabulary List from an Original Corpus of Digital Science Resources for Middle School Learners is the proposed invention. The invention focuses on utilizing the algorithms of machine learning for retrieval of specialized vocabulary list from an original corpus of digital science resources. The invention will utilize

No. of Pages: 13 No. of Claims: 4

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/04/2023

(21) Application No.202341030539 A

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(43) Publication Date: 26/05/2023

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(54) Title of the invention: ENGLISH LEARNING ACQUISITION FROM AUDIO AND VISUAL PROCESSING IN COGNITIVE **SKILLS**

5)Dr. Deepak Yadav 6)Dr. Hardeep Singh 7)Dr. C. Haribaran 8)Ms. M. Hamsalatha 8)Ms. M. Hamsalatha
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(57) Abstract:

This paper explores the impact that audio and visual processing can have on cognitive skill development in the context of English language learning. Cognitive skill development is crucial for successful language learning, since it is not enough for a learner to simply memorize and repeat language content. Cognitive skills are those abilities which are necessary to use language successfully in real life settings. Research from cognitive psychology has repeatedly concluded that the visual and auditory pathways in the brain communicate differently and that stimulations of both senses can enhance learning and memory. The use of auditory and visual processing and instruction has proven beneficial in the classroom environment and can improve the learning experience for students. Audit on and visual processing can be used to reinforce new language by providing visuals to supplement material being taught. Additionally, studies have suggested that real-time audio and visual input during effective instruction can help learners understand complex concepts and build fluency in language acquisition. This review supports the use of audio and visual processing as a cognitive tool in English language learning and provides further

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

empirical studies for future research in this field.





ORIGINAL 된 전 Serial No.: 156409

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The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 402651-001

तारीख / Date : 20/12/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो AQUATIC MICROBIOME ANALYSIS DEVICE से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Kayeen Vadakkan 2. Dr. Aruliah Rajasekar 3.Dr. Kuppusamy Sathishkumar 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 24-01 in respect of the application of such design to AQUATIC MICROBIOME ANALYSIS DEVICE in the name of 1.Dr. Kayeen Vadakkan 2. Dr. Aruliah Rajasekar 3.Dr. Kuppusamy Sathishkumar.

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

जारी करने की तिथि :

09/02/2024



महानियंत्रक पेट्रेंट-डिजाइन और य्यापार चिह्न Controller General of Patents, Designs and Trade Marks

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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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डिजाइन के पंजीकरण का प्रमाण पत्र 🔠 Certificate of Registration of Design

डिजाइन सं. / Design No 398882-001

तारीख / Date

पारस्परिकता तारीख / Reciprocity Date

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो OCEAN OIL CLEANUP DEVICE से संबंधित है, का पंजीकरण, श्रेणी 15-05 में 1.Dr. Maya Rajan Mundanattu 2. Dr. Kayeen Vadakkan 3.Dr. Vijayanand Selvaraj 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 15-05 in respect of the application of such design to OCEAN OIL CLEANUP DEVICE in the name of 1.Dr. Maya Rajan Mundanattu Dr. Kayeen Vadakkan 3.Dr. Vijayanand Selvaraj.

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



॰पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वापिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, चाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश मैं 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

Bundesrepublik Deutschland ——

Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2022 101 027

Bezalchnung:

Ein System zur Behandlung von Pseudomonas aeruginosa-Infektionen unter Verwendung von Solanum torvum-Wurzelextrakt

PC

A61K 36/81

Inhaberfinhaberin:

Vadakkan, Kayeen, Dr., Thrissur, Kerala, IN Vijayanand, Selvaraj, Dr., Vellore, Tamil Nadu, IN

> Tag der Anmeldung: 23.02.2022

Tag der Eintragung: 03.03.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Comedia R. dusq - Schaper

Cornelia Rudloff-Schäffer

München, 03.03.2022



Die Vorsunsetzungen der Schutzfühigkeit werden bei der Debegung eines Gebrauchemusiers nicht geprüft. Der situation Ranhentend und Schutzsanlang entwinnen Sie bilte dem DPAAnsgieler unter wenn dems de.

(21) Application No.202241058758 A

(12) PATENT APPLICATION PUBLICATION

AIGNI (PL)

(22) Date of filing of Application 14/10/2022

(43) Publication Date: 21/10/2022

(71)Name of Applicant: 1)DR, HEMAPRIYA J

(54) Title of the invention: PRODUCTION OF BACTERIORUBERIN PIGMENT FROM SALINICOCCUS SALSIRAIAE (MP-4_-A MODERATE HALOPHILIC BACTERIAL SPECIES ISOLATED FROM SOLAR SALTERNS AND DETERMINATION OF THEIR OPTIMAL CONDITION USING RESPONSE SURFACE METHODOLOGY (RSM)

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(51) International	G01N0017000000, B01L0009000000,	2)MANJULA D
and the second flag constitution are	C01D0003060000	J)DR. VIJAYANAND S
	COTEMANUSCOCKOO	
(86) International	:NA	Name of Applicant : NA
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Publication No.		Address of Applicant :PG & RESEARCH DEPARTMENT OF
(61) Patent of Addition		
	-NA	MICROBIOLOGY, D.K.M COLLEGE OF WOMEN
to Application Number	:NA	(AUTONOMOUS), D.K.M COLLEGE ROAD, VELLORE,
Filing Date	-11/1	TAMIL NADU, INDIA - 632001
(62) Divisional to		2)MANJULA D
Application Number	:NA	
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(57) Abstract:

Abstract This study used solar salterns samples, such as solar salts and sun dried salted fish, to isolate a pigmented halophilic bacterial strain of Salinicoccus salsiraiae (MP-4). Solar salterns are one of the extreme environments contain high NaCl concentration which provide the environmental conditions suitable only for specially adapted halophiles. Halophiles belong to all three domains of life and are classified into three groups based on their need for NaCl for survival: slight halophiles, moderate halophiles, and extreme halophiles. Their natural behaviour in high salinity regions has provided them with a number of novel elements and mechanisms that can be used in a wide range of applications. Their pigments play an important role in different areas. Despite the fact that a vast area is dedicated to salt production, little is known about the halophilic biodiversity in Indian salterns, particularly the current study site (Markkanam, salt pan, and sun-dried salted fish sample). As a result, the current study focuses on the isolation and identification of a novel halophilic chromogenic bacterial isolate and its novel pigment production.

No. of Pages: 11 No. of Claims: 4

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(19) INDIA

(22) Date of filing of Application :12/01/2023

(43) Publication Date: 03/02/2023

(54) Title of the invention: PREDICTION THE STRUCTURE OF NOVEL PROTEIN FROM THE BACILLUS AQUIMARIS (MP-1) NUCLEOTIDE SEQUENCE BASED ON MACHINE LEARNING ALGORITHMS

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(51) International classification	:A61K0036258000, C12N0001200000,	2)MANJULA D
	C12R0001010000, C12P0019020000,	3)Dr. VIJAYANAND S
	A23L0017000000	Name of Applicant : NA
(86) International	:NA	Address of Applicant : NA
Application No Filing Date (87) International Publication No	:NA	(72)Name of Inventor:
		1)Dr. HEMAPRIYA J
	: NA	Address of Applicant :PG & RESEARCH DEPARTMENT OF
		MICROBIOLOGY, D.K.M COLLEGE FOR WOMEN
(61) Patent of Addition	1.NA	(AUTONOMOUS), D.K.M COLLEGE ROAD, VELLORE,
to Application Number Filing Date	r:NA	TAMIL NADU, INDIA, 632001
		2)MANJULA D
(62) Divisional to	:NA	Address of Applicant :PG & RESEARCH DEPARTMENT OF
Application Number Filing Date	:NA	MICROBIOLOGY, D.K.M COLLEGE FOR WOMEN
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(57) Abstract:

No. of Pages: 15 No. of Claims: 3

^{1.} The suggested methodology is effective for isolating and identifying chrurnogenic moderate halophilic bacterial strains from solar salterns (solar saltpans and sun-dried salted fish) employing morphological, biochemical, and molecular techniques (16S rRNA gene sequences).