(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/08/2023

(21) Application No.202321058290 A

(43) Publication Date : 29/09/2023

(54) Title of the invention : CYBER SECURITY RISK ASSESSMENT AND MANAGEMENT SYSTEM USING AI AND ML FOR ENTERPRISE NETWORK

(51) International classification :G06Q0030020000, G06N0020000000, G06Q0040060000, G06Q0040000000, G06Q0040040000

(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

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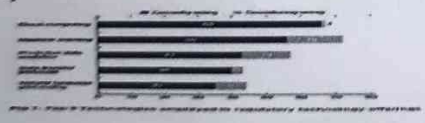
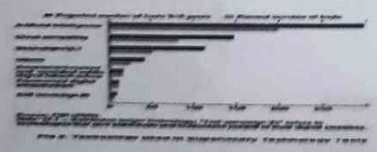
(57) Abstract :
The financial sector, led by financial technology (fintech) companies, has been rapidly increasing the use of AI/ML systems (Box 1). Recent adoption by the financial sector of technological advances, such as big data and cloud computing, coupled with the expansion of the digital economy, made the effective deployment of AI/ML systems possible. A recent survey of financial institutions (WEF 2020) shows that 77 percent of all respondents anticipate that AI will be of high or very high overall importance to their businesses within two years. This study explores the use of artificial intelligence (AI) and machine learning (ML) in the financial sector and the resultant policy implications.1 It provides a nontechnical background on the evolution and capabilities of AI/ML systems, their deployment and use cases in the financial sector, and the new challenges they present to financial sector policymakers. Accompanied Drawing [FIG. 1] [FIG. 2]





No. of Pages : 29 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/06/2023

(21) Application No.202321039765 A
(43) Publication Date : 11/08/2023

(54) Title of the invention : INNOVATIVE TEMPERATURE CONTROL SYSTEM INSIDE A VEHICLE.

(51) International classification :A61B 060300, B60H 010000, C12M 013400, G06Q 300000, H04S 070000
(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

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(57) Abstract :
Abstract:- Thermal comfort is an essential factor for humans in enclosed environments such as passenger automobiles. India is a tropical country with summer temperatures ranging from 450 to 500 degrees Celsius. If a vehicle is parked in such a heated atmosphere for more than 30 minutes, the internal temperature can rise to 600 to 700 degrees Celsius. Temperature rise is affected by Sun locations such as solar azimuth angle and solar altitude angle. If the owner, passenger, or driver enters a hot vehicle, they will experience suffocation and will have no thermal comfort. It is impossible to bring the temperature down to a comfortable level in a short period of time. To manage the temperature, there are two options: turn on the air conditioner or open all windows. When we utilise the air conditioning system to adjust the temperature, it takes longer to achieve a comfortable level and puts greater strain on the engine system. When the temperature is adjusted by opening all windows, it takes longer to reach a pleasant temperature. It is dependent on the outside temperature; if the outside temperature is more than, opening the window will not allow you to attain a comfortable temperature.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2024

(21) Application No.202441077415 A

(43) Publication Date : 25/10/2024

(54) Title of the invention : INTEGRATION OF IOT AND MACHINE LEARNING FOR ENERGY-EFFICIENT SMART HOME AUTOMATION

(51) International classification :H04L0012280000, G06N0020000000, H04L0041160000, G05B0015020000, A61B0005145000

(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

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(57) Abstract :
Integration of IOT and Machine Learning for Energy-Efficient Smart Home Automation is the proposed invention. The proposed invention focuses on understanding the functions of Integrating IOT and Machine Learning in Automation. The invention focuses on analyzing the parameters of Energy-Efficient Smart Home Automation using algorithms of Machine Learning Approach.

No. of Pages : 12 No. of Claims : 4

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Government of India

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INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202341052710
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/08/2023
APPLICANT NAME	**1 . DR.KAVITHA H** **2 . DR.S.VANAJA** **3 . ANURADHA SHARMA** **4 . DR.N.SURESH** **5 . BABITA VERMA** **6 . SEEMA VERMA** **7 . DR. NEHA JAIN** **8 . DR. P. L. KISHAN KUMAR REDDY** **9 . DR. P. KIRAN KUMAR REDDY** **10 . DR. P. RAMKISHORE KUMAR REDDY**
TITLE OF INVENTION	AUTOMATED BUG DETECTION AND REPAIR IN SOFTWARE USING DEEP LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	mail2patentipr@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/09/2023

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

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Application Details	
APPLICATION NUMBER	202341035243
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/05/2023
APPLICANT NAME	1 . Dr. Shiju George 2 . Dr. Jyothi Pillai 3 . Dr. Asha Joseph 4 . Hemlata Makarand Jadhav 5 . Nakka Kishore Chandra Dev 6 . Bhakti Prasad Thakre 7 . Ms. Uma Yadav 8 . Ms. Shweta v. Bondre
TITLE OF INVENTION	ADVANCE TAXONOMY FOR MICRO FACIAL EXPRESSION AND FORGERY DISCRIMINATION
FIELD OF INVENTION	COMPUTER SCIENCE
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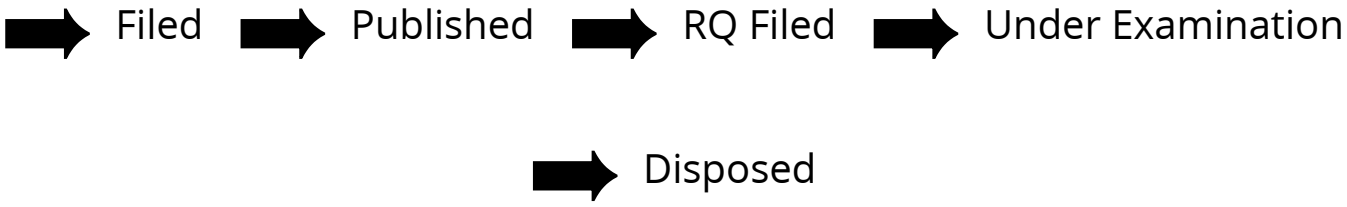
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/09/2023

Application Status

APPLICATION STATUS	Awaiting Request for Examination

			View Documents



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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/10/2023

(21) Application No.202321072013 A
(43) Publication Date : 24/11/2023

(54) Title of the invention : COMMUNICATION EFFICIENT FEDERATED LEARNING SYSTEM WITH DATA PRIVACY AND DATA SECURITY

(51) International classification :G06N0020000000, G06F0021620000, G06K0009620000, G06N0003080000, G06N0020200000
(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

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(57) Abstract :
ABSTRACT COMMUNICATION EFFICIENT FEDERATED LEARNING SYSTEM WITH DATA PRIVACY AND DATA SECURITY Aspects of present disclosure the client selection module (101) using client selection federated (FedCS) techniques selects number of clients for training process. The client device (102) configured with the client selection module (101) store necessary training data locally, and the client device send non sensitive information to a central server (103). In another aspect the central server (103) is configured with the processor (104), and the processor using TensorFlow Federated module (105) and machine learning techniques (106) generate a locally trained model. The processor (104) retain the locally trained model until developing a standard trained model and deploys in end user device (107).

No. of Pages : 19 No. of Claims : 4

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ORIGINAL
क्रम सं/ Serial No. : 144523

पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

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

डिजाइन सं. / Design No. : 390495-001

तारीख / Date : 17/07/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *AUGMENTED REALITY FEEDBACK ANALYSIS DEVICE* से संबंधित है, का पंजीकरण, श्रेणी 14-02 में 1.Mrs. Babita Verma 2. Mrs. Anuradha Sharma 3.Mrs. K. Subhashini Spurjeon 4.Dr. Jyothi Pillai 5.Dr. Neha Jain 6.Mousmi Ajay Chaurasia 7.Seema Verma 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 14-02 in respect of the application of such design to *AUGMENTED REALITY FEEDBACK ANALYSIS DEVICE* in the name of 1.Mrs. Babita Verma 2. Mrs. Anuradha Sharma 3.Mrs. K. Subhashini Spurjeon 4.Dr. Jyothi Pillai 5.Dr. Neha Jain 6.Mousmi Ajay Chaurasia 7.Seema Verma.

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 :
Date of Issue : 25/09/2023

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
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पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

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

डिजाइन सं. / Design No. : 398539-001

तारीख / Date : 27/10/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *CENTRALIZED ENTERPRISE RESOURCE PLANNING DEVICE* से संबंधित है, का पंजीकरण, श्रेणी 14-02 में 1.Dr. Kalpana Sunil Thakre 2. Dr. Girija Gireesh Chiddarwar 3.Dr. Bharati Pavan Vasgi 4.Dr. Sarita Vitthal Balshetwar 5.Dr. Sangita Maheshwar Jaybhaye 6.Dr. Smita Mahesh Chaudhari 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 14-02 in respect of the application of such design to *CENTRALIZED ENTERPRISE RESOURCE PLANNING DEVICE* in the name of 1.Dr. Kalpana Sunil Thakre 2. Dr. Girija Gireesh Chiddarwar 3.Dr. Bharati Pavan Vasgi 4.Dr. Sarita Vitthal Balshetwar 5.Dr. Sangita Maheshwar Jaybhaye 6.Dr. Smita Mahesh Chaudhari.

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 :
Date of Issue : 30/11/2023

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
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