Patent Search

Invention Title	Brain Inspired Intelligent Implant to Predict and Detect Stokes using Supervised Machine Learning
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Classification (IPC)	A61B0005000000, A61B0005024000, G06N0020000000, A61B0005046000, A61B0005047600

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Abstract:

Research study shows that nearly 50 million people are affected by stroke worldwide across the globe every year. Also it is observed that nearly 75% stroke are left with some kind impairments. Proposed is a Brain Inspired Intelligent Implant to predict and detect strokes using Supervised Machine I to be one of the leading medical condition that leads to long-term disability. Stroke is caused by occurrence of blood clot in the brain that restrict the and from the brain. Implant is built with a heart rate monitor that is capable of detecting irregular heartbeats and atrial fibrillation thereby preventin susceptible to second stroke. Implant is capable of recording High-Resolution Brain Activity and effective pattern matching is carried out using Super Implants are built with electrodes which are ignored by human immune system and therefore it can predict the strokes much more accurately.

Complete Specification

Description:4. Description:
Field of Invention:
Research study shows that nearly 50 million people are affected by stroke worldwide across the globe every year. Also it is observed that nearly 75 by stroke are left with some kind impairments. Proposed is a Brain Inspired Intelligent Implant to predict and detect strokes using Supervised Mach considered to be one of the leading medical condition that leads to long-term disability. Stroke is caused by occurrence of blood clot in the brain th blood and oxygen to and from the brain. Implant is built with a heart rate monitor that is capable of detecting irregular heartbeats and atrial fibrilla the patients to be susceptible to second stroke. Implant is capable of recording High-Resolution Brain Activity and effective pattern matching is car Supervised Machine Learning. Implants are built with electrodes which are ignored by human immune system and therefore it can predict the strc accurately.
Background Art & Description:
CN110403600A invention discloses a kind of Paroxysmal Atrial Fibrillation intelligent analysis methods and system based on differential time scatt includes training stages and detection-phase; Training stage includes: A1) acquisition electrocardiogram original training data; A2 the differential training stage) is drawn; A3 atrial attack label and non-atrial attack label) are marked to differential time scatter plot; A4) training convolutional ne Detection-phase includes: B1) acquisition electrocardiogram raw sensor data; B2 the differential time scatter plot of detection-phase) is drawn; B scatter plot that) will test the stage is input to convolutional neural networks model, exports Paroxysmal Atrial Fibrillation intellectual analysis resul

View Application Status

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

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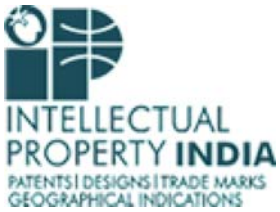

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Application Details	
APPLICATION NUMBER	202241040264
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/07/2022
APPLICANT NAME	1 . Dr.S.Balamurugan 2 . Dr.Shikha Singh 3 . Anusha R 4 . Dr. H N Suresh 5 . Dr Aayush Shrivastava 6 . Vani H 7 . Dr. Vivek Nivruttirao Waghmare 8 . Dr. Girish Venkatesh Chowdhary 9 . Dr.Hemant H. Patel 10 . Dr.Chetan J. Shingadiya
TITLE OF INVENTION	Brain Inspired Intelligent Implant to Predict and Detect Stokes using Supervised Machine Learning
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
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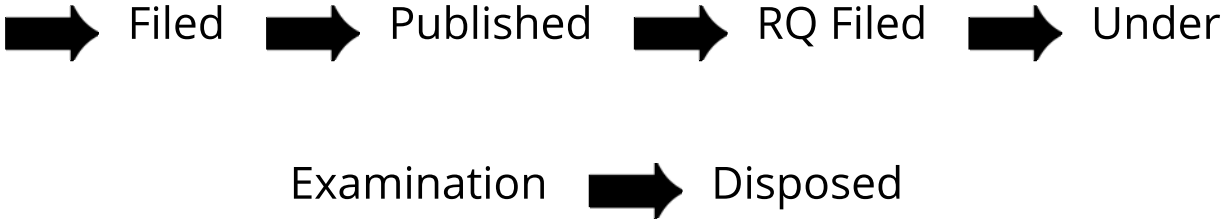
PUBLICATION DATE (U/S 11A)	22/07/2022

Application Status	
APPLICATION STATUS	**Awaiting Request for Examination**

			View Documents



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