पेटेंट कार्यालय,भारत सरकार
The Patent Office, Government Of India
पेटेंट प्रमाण पत्र | Patent Certificate
(पेटेंट नियमावली का नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.	:	441049
आवेदन सं. / Application No.	:	201741042152
फाइल करने की तारीख / Date of Filing	:	24/11/2017
पेटेंटी / Patentee	:	CMR TECHNICAL CAMPUS

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *"DEVICE AND METHOD FOR INTELLECTUAL PROCESSING OF INFORMATION IN NEURAL NETWORK"* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख नवम्बर 2017 के चौबीसवें 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 *"DEVICE AND METHOD FOR INTELLECTUAL PROCESSING OF INFORMATION IN NEURAL NETWORK"* as disclosed in the above mentioned application for the term of 20 years from the 24th day of November 2017 in accordance with the provisions of the Patents Act,1970.

अनुदान की तारीख : 28/07/2023
Date of Grant :

पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, नवम्बर 2019 के चौबीसवें दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 24th day of November 2019 and on the same day in every year thereafter.

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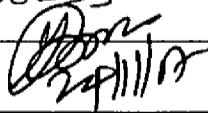| Application Details	
APPLICATION NUMBER	201741042152
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/11/2017
APPLICANT NAME	**CMR TECHNICAL CAMPUS**
TITLE OF INVENTION	"DEVICE AND METHOD FOR INTELLECTUAL PROCESSING OF INFORMATION IN NEURAL NETWORK"
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	director@cmrtc.ac.in
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Application Status

APPLICATION STATUS	Granted Application, Patent Number :441049

E-Register			View Documents

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed
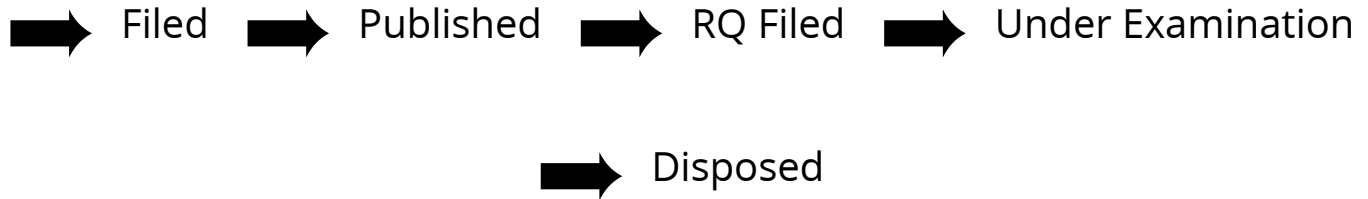
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FORM 1
THE PATENTS ACT 1970
(39 OF 1970)
&
The Patents Rules, 2003
APPLICATION FOR GRANT OF
PATENT
(See section 7,54&135 and rule 20 (1))

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Application No: 201741042152
Filling Date: 24/11/2017
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(54) Title of the invention : DEVICE AND METHOD FOR INTELLECTUAL PROCESSING OF INFORMATION IN NEURAL NETWORK

(51) International classification	:G06F17/00; G06F17/24;	(71)**Name of Applicant :**
(31) Priority Document No	:NA	1)**CMR TECHNICAL CAMPUS**
(32) Priority Date	:NA	Address of Applicant :KANDLAKOYA (V),MEDCHAL ROAD, HYDERABAD - 501401, TELANGANA, INDIA. Telangana India
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	1)**K. SRUJAN RAJU**
(87) International Publication No	: NA	2)**M. VARA PRASAD**
(61) Patent of Addition to Application Number	:NA	3)**N. BHASKAR**
Filing Date	:NA	4)**CH SWATHI**
(62) Divisional to Application Number	:NA	5)**CHITTIPOLU SHRAVYA**
Filing Date	:NA	6)**KATAKAM PRANAY**
		7)**M. MURALI KRISHNA**

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a device for intelligent information processing in a neural network with a first layer of neurons whose first input is an input of the device, a second input is connected to the output of the second dynamic synapse unit, an output to the first input of the first dynamic synapse block, a second layer of neurons whose input is connected to the output of the first block of dynamic synapses, the output is connected to the first input of the second dynamic signal unit, characterized in that the synapse control unit is additionally introduced, the first input of which is connected to the output the first output with the second input of the second dynamic synapse unit, the second output with the second input of the first dynamic synapse block, the first unit of single delays between the first layer and the first dynamic synapses block,, the second unit of unit delays between the second layer and the second block of dynamic synapses.

No. of Pages : 24 No. of Claims : 4