

(54) Title of the invention : SUPPORT VALUE BASED CONVOLUTIONAL NEURAL NETWORKS SYSTEM FOR INTERNET OF THINGS 4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / AUTHORISED PATENT AGENT

<p>(51) International classification :G06N 3/04</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr.S.Selvakanmani Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Velammal Institute of Technology, Chennai, Tamil Nadu, India. Pin Code- 601204 Tamil Nadu India</p> <p>2)Ms. Samineni Bhavani</p> <p>3)Dr.M.L.Ravi Chandra</p> <p>4)Dr.D.Subbarao</p> <p>5)Mr. Shaik Johny Basha</p> <p>6)Dr.P.Felcy Judith</p> <p>7)Dr.Sagaya Aurelia</p> <p>8)Dr. Mandadi Srinivas</p> <p>9)Mr. Mandadi. Meher Pratheek Rao</p> <p>10)Mr.Punna.Rajesh</p> <p>(72)Name of Inventor :</p> <p>1)Dr.S.Selvakanmani</p> <p>2)Ms. Samineni Bhavani</p> <p>3)Dr.M.L.Ravi Chandra</p> <p>4)Dr.D.Subbarao</p> <p>5)Mr. Shaik Johny Basha</p> <p>6)Dr.P.Felcy Judith</p> <p>7)Dr.Sagaya Aurelia</p> <p>8)Dr. Mandadi Srinivas</p> <p>9)Mr. Mandadi. Meher Pratheek Rao</p> <p>10)Mr.Punna.Rajesh</p>
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(57) Abstract :

The Traffic Congestion is one of major problem in Internet of Things (IOT) occurs due to insufficient data transfer between the Sensor nodes or due to data perception. Data perception in the IOT guarantee the information being detected by the sensors, information is recouped from the sensor network without having any redundancies. Internet of Things (IOT) with cognitive computing technology is Cognitive Internet of Things (CIOT) uses Context-Aware Data Perception, further, works against energy consumption, network life-time, resource allocation, data perception accuracy, and throughput, as well as quality of data and delay. The present invention, Support Value Based Convolutional Neural Networks System for Internet of Things comprising of: Clustering (301); Context-Aware Data Learning (302); Decision (303); performs Data Perception in terms of energy consumption, network life-time, resource allocation, data perception accuracy, and throughput, as well as quality of data and delay.

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