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(57) Abstract :

Broadly characterized as the Web of Things (IoT), the development of product gadgets that coordinated physical forms with the computerized network has changed the way we live, play, and work. To date, the conventional approach to securing IoT has treated gadgets independently. In any case, in hone, it has been as of late appeared that the intuitive among gadgets are regularly the genuine cause of security and security infringement. Security and protection speak to fundamental issues for a broad appropriation of IoT innovations both by businesses and individuals in their every-day life. Other than, the complexity of an IoT systems administration dwells within the nearness of heterogeneous gadgets, which communicate by implies of distinctive conventions and give data having a place to different application spaces. Consequently, satisfactory approaches must be accurately dispersed and connected to the data made accessible by the IoT organization to secure the information themselves and to direct the get to to the overseen assets over the full IoT framework. Approaches primarily include the get to assets and are as a rule built up by framework directors in agreement with the rules of each particular space. Since IoT concerns different application areas and regularly broad areas, a centralized arrangement that oversees all the desired approaches would not be not one or the other practical nor versatile. Hence, a dispersed middleware overlying the IoT organize is proposed and coordinates with a synchronization framework for ensuring the proper conveyance, overhaul, and application of the approaches over the complete IoT environment in real-time. Such a conveyance and synchronization framework has been created inside an arrangement authorization system. The displayed arrangement has been approved by implies of a straightforward, however genuine model; the analyzed measurements respect delay, overhead, and vigor of the proposed requirement and synchronization system. Through this exertion, we present a thoroughly grounded framework for implementing redress operation of IoT gadgets through efficiently recognized IoT approaches, illustrating the adequacy and esteem of observing IoT apps with apparatuses.

No. of Pages : 12 No. of Claims : 6



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Government of India

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APPLICATION NUMBER	202041033805
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/08/2020
APPLICANT NAME	1 . Mrs R. Roseline 2 . Mr. Satish Muppidi 3 . Dr. Sangita Babu 4 . Dr. S. Radha Rammohan 5 . Mr. Anandaraj Shunmugam 6 . DR. R. Deepalakshmi 7 . Mr. Gajja Prasad 8 . Dr. M. Prasad 9 . Mr. S. Dhanaraj 10 . Ms .D.Haripriya
TITLE OF INVENTION	DYNAMIC POLICY BASED BEHAVIOURAL IOT SECURITY ENFORCEMENT SYSTEM USING COMPUTER ENVIRONMENT
FIELD OF INVENTION	COMMUNICATION
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202041033805-REQUEST FOR EXAMINATION (FORM-18) [07-08-2020(online)].pdf	07/08/2020

**FORM 1**  
**THE PATENTS ACT, 1970**  
**(39 of 1970)**  
**&**  
**THE PATENTS RULES, 2003**  
**APPLICATION FOR GRANT OF PATENT**  
**[See sections 7,54 & 135 and rule 20(1)]**

**(FOR OFFICE USE ONLY)**

**Application No.:** .....

**Filing Date:** .....

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**Signature:** .....

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**1. INVENTOR(S):**

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5	Mr. Anandaraj Shunmugam	India	Lecturer-II, School of Computer Science & Information Technology, DMI-St. John the Baptist University, PO bag 406, Mangochi, The Republic of Malawi, Central Africa	Malawi	Not Applicable
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**2. TITLE OF THE INVENTION: DYNAMIC POLICY BASED BEHAVIOURAL IOT SECURITY ENFORCEMENT SYSTEM USING COMPUTER ENVIRONMENT**

**3. ADDRESS FOR CORRESPONDENCE OF APPLICANT / AUTHORISED PATENT AGENT IN INDIA:**

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**4. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:**

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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**5. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:**

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

**6. PARTICULARS FOR FILING DIVISIONAL APPLICATION**

Original (first) Application Number	Date of Filing of Original (first) Application
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**7. PARTICULARS FOR FILING PATENT OF ADDITION:**

Main Application / Patent Number:	Date of Filing of Main Application
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**8. DECLARATIONS:**

**(i) Declaration by the inventor(s)**

I/We ,Mrs R. Roseline,Mr. Satish Muppidi,Dr. Sangita Babu,Dr.S.Radha Rammohan,Mr. Anandaraj Shunmugam,DR. R. Deepalakshmi,Mr. Gajja Prasad,Dr. M. Prasad,Mr.S.Dhanaraj,Ms .D.Haripriya, is/are the

true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s): .....

(c) Name(s):

Mrs R. Roseline,



Mr. Satish Muppidi,

Dr. Sangita Babu,



Dr.S.Radha Rammohan,

Mr. Anandaraj Shunmugam,



DR. R. Deepalakshmi,



Mr. Gajja Prasad,



Dr. M. Prasad,



Mr.S.Dhanaraj,



Ms .D.Haripriya



### (ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) : .....

(c) Name(s) of the singnatory:

Mrs R. Roseline,



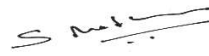
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Dr. Sangita Babu,



Dr.S.Radha Rammohan,



Mr. Anandaraj Shunmugam,



DR. R. Deepalakshmi,



Mr. Gajja Prasad,



Dr. M. Prasad,



Mr.S.Dhanaraj,



Ms .D.Haripriya



### (iii) Declaration by the applicant(s)

**The Complete specification relating to the invention is filed with this application.  
I am/We are, in the possession of the above mentioned invention.  
There is no lawful ground of objection to the grant of the Patent to me/us.**

### 9. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
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8/4/2020

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

To The Controller of Patents

The Patent office at CHENNAI