

### 3.4.3

#### Additional Information

##### List of Patents Registered during the Year

Apart from the publication of research papers the Institution has got one patent registered in 2021. The details of which is as follows:

S No	Patent Number	Name of the Patentee	Name of Patent Office/Date of Issue	Title of Invention
1	2021100439	Dr Swati Jain	The Australian Patents Register	Home Automation Based on User Detection Using Internet of Things
2	2021105870	Dr Swati Jain	The Australian Patents Register	A System and Method for Identifying Pedestrians Using a Novel 3D Inception-Based Person Reidentification Model



Australian Government

IP Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

**Patent number:** 2021105870

The Commissioner of Patents has granted the above patent on 3 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

**Name and address of patentee(s):**

Meenakshi Choudhary of Research Scholar (CSE) DSPM IIIT Naya Raipur (CG) 493661 India

Vivek Tiwari of Assistant Professor (CSE) DSPM IIIT Naya Raipur (CG) 493661 India

Swati Jain of Assistant Professor (Computer Science), Govt. J. Yoganandam Chhattisgarh College Raipur (CG) 492001 India

Hemant Kumar Sharma of Associate Professor and Deputy Medical Superintendent & Registrar, DKS PGI & Research Center Raipur (CG) 492001 India

Basant Tiwari of Assistant Professor Hawassa University Awassa Ethiopia

**Title of invention:**

A SYSTEM AND METHOD FOR IDENTIFYING PEDESTRIANS USING A NOVEL 3D INCEPTION-BASED PERSON RE-IDENTIFICATION MODEL

**Name of inventor(s):**

Choudhary, Meenakshi; Tiwari, Vivek; Jain, Swati; Sharma, Hemant Kumar and Tiwari, Basant

**Term of Patent:**

Eight years from 18 August 2021

**NOTE:** This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 3<sup>rd</sup> day of November 2021

Commissioner of Patents

**PATENTS ACT 1990**

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

## Extracts from the Patents Act, 1990

**Sect 120(1A)** Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

### **Sec 128 Application for relief from unjustified threats**

- (1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:
- (a) a declaration that the threats are unjustifiable; and
  - (b) an injunction against the continuance of the threats; and
  - (c) the recovery of any damages sustained by the applicant as a result of the threats.
- (2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

### **Sec 129A Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

*Certain threats of infringement proceedings are always unjustifiable.*

- (1) If:
- (a) a person:
    - (i) has applied for an innovation patent, but the application has not been determined; or
    - (ii) has an innovation patent that has not been certified; and
  - (b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be; then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

*Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent*

- (2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the applicant the relief applied for.

*Courts power to grant relief in respect of threats made by the patentee of certified innovation patent*

- (3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

### **Schedule 1 Dictionary**

**certified**, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph

101E(e) in respect of the patent



Australian Government

IP Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

**Patent number:** 2021100439

The Commissioner of Patents has granted the above patent on 7 April 2021, and certifies that the below particulars have been registered in the Register of Patents.

**Name and address of patentee(s):**

Sharad Chandra Srivastava of Professor and Head, Industrial &, Production Engineering Guru Ghasidas Vishwavidyalaya (A Central University) Bilaspur (Chhattisgarh) 495009 India

Sumit Srivastava of Assistant Professor, Dept. of Computer, Science & Engineering Birla Institute of Technology, Mesra Ranchi Jharkhand 835215 India

Aakanksha Sharaff of Assistant Professor, Department of Computer Science and, Engineering National Institute of Technology Raipur India

Suraj Sharma of Assistant Professor Department of Computer Science IIIT Bhubaneswar India

Akhilesh Kumar Shrivastava of Assistant Professor, Department of CSIT, Guru Ghasidas Vishwavidyalaya Bilaspur Chhattisgarh India

S K Saritha of Assistant Professor, Department of CSE, Maulana Azad National Institute of Technology, Bhopal Madhya Pradesh 462003 India

S. R Tandan of Associate Professor, Dr C. V. Raman University Kargi Road Kota Bilaspur CG India

Swati Jain of Assistant Professor, Govt. J. Y. Chhattisgarh College Raipur Chhattisgarh India

Upasana Sinha of Associate Professor J. K. Institute of Engineering Bilaspur India

Anand Nayyar of Room No: 102, Graduate School, 254 Nguyen Van Linh Street Duy Tan University Da Nang Viet Nam

Abhishek Sharma of Office No. 1115, Dept of Electronics and Communication, Engineering, The LNM Institute of Information Technology, Rupa ki Nangal Via Jamdoli, Jaipur, Rajasthan 302031 India

**Title of invention:**

HOME AUTOMATION BASED ON USER DETECTION USING INTERNET OF THINGS

**Name of inventor(s):**

Chandra Srivastava, Sharad; Srivastava, Sumit; Sharaff, Aakanksha; Sharma, Suraj; Shrivastava, Akhilesh Kumar; Saritha, S. K.; Tandan, S. R.; Jain, Swati; Sinha, Upasana; Nayyar, Anand and Sharma, Abhishek

**Term of Patent:**

Eight years from 23 January 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 7<sup>th</sup> day of April 2021

Commissioner of Patents

**PATENTS ACT 1990**

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

## **Extracts from the Patents Act, 1990**

**Sect 120(1A)** Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

**Sec 128**                   **Application for relief from unjustified threats**

- (1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:
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**Schedule 1**                   **Dictionary**

**certified**, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent