

(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2020102636 A4**

(54) Title
SBDA-Secured Bra for Women Safety: Smart and Secured Bra for Women Safety Based on Deep Learning Algorithm

(51) International Patent Classification(s)
A41C 3/00 (2006.01) **G01S 19/42** (2010.01)
A41F 1/00 (2006.01) **G08B 21/02** (2006.01)

(21) Application No: **2020102636** (22) Date of Filing: **2020.10.08**

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021025200 A

(19) INDIA

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(54) Title of the invention : THEFT VEHICLE DETECTION USING DIGITAL SIGNATURE BASED ECU AND IMAGE PROCESSING

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. K. Vengatesan
(32) Priority Date	:NA	Address of Applicant :Department of Computer Science & Engineering Sanjivani College of Engineering, Savitribai Phule University, India Maharashtra India
(33) Name of priority country	:NA	2)Dr. Abhishek Kumar
(86) International Application No	:NA	3)Dr. S. Yuvaraj
Filing Date	:NA	4)Mr. Ankit Kumar
(87) International Publication No	: NA	5)Dr. Alok Kumar Singh Kushwaha
(61) Patent of Addition to Application Number	:NA	6)Dr. V.D. Ambeth Kumar
Filing Date	:NA	7)Mr. Shivkumar Punjabi
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. K. Vengatesan
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		4)Mr. Ankit Kumar
		5)Dr. Alok Kumar Singh Kushwaha
		6)Dr. V.D. Ambeth Kumar
		7)Mr. Shivkumar Punjabi

(57) Abstract :

Vehicle theft is a serious problem and catching hold of stolen vehicles is another issue on top on that, which gets complicated as time passes. Some of the factors which effect the complications are a change of the vehicleTMs number plate, dismantling and/or mismatching parts of the vehicle, altering the colour of the vehicle. Because of these complications, it is difficult to stop each vehicle and verify; which is an ineffective way of doing work. To reduce the effort required and to track down the stolen vehicle, we propose to develop a system which can efficiently detect which is stolen irrespective of the fact that the license plate or the colour of the vehicle might be altered. The whole process is done with the help of microcontrollers and some modules.

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(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2020104116 A4**

(54) Title
HOLONOMIC DRIVE CONVEYOR SYSTEM AND ITS METHOD USING IOT

(51) International Patent Classification(s)
G05D 1/02 (2020.01) **B65G 13/04** (2006.01)

(21) Application No: **2020104116** (22) Date of Filing: **2020.12.16**

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(71) Applicant(s)
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(72) Inventor(s)
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(12) PATENT APPLICATION PUBLICATION

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(54) Title of the invention : THEFT VEHICLE DETECTION USING DIGITAL SIGNATURE BASED ECU AND IMAGE PROCESSING

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. K. Vengatesan
(32) Priority Date	:NA	Address of Applicant :Department of Computer Science & Engineering Sanjivani College of Engineering, Savitribai Phule University, India Maharashtra India
(33) Name of priority country	:NA	2)Dr. Abhishek Kumar
(86) International Application No	:NA	3)Dr. S. Yuvaraj
Filing Date	:NA	4)Mr. Ankit Kumar
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(61) Patent of Addition to Application Number	:NA	6)Dr. V.D. Ambeth Kumar
Filing Date	:NA	7)Mr. Shivkumar Punjabi
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
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		3)Dr. S. Yuvaraj
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		6)Dr. V.D. Ambeth Kumar
		7)Mr. Shivkumar Punjabi

(57) Abstract :

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(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2020104385 A4**

(54) Title
A SYSTEM AND A METHOD FOR AUTOMATED IRRIGATION USING INTERNET OF THINGS

(51) International Patent Classification(s)
A01G 25/16 (2006.01)

(21) Application No: **2020104385** (22) Date of Filing: **2020.12.29**

(45) Publication Date: **2021.03.18**

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(71) Applicant(s)
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(72) Inventor(s)
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(19) INDIA

(22) Date of filing of Application :16/06/2020

(43) Publication Date : 10/07/2020

(54) Title of the invention : THEFT VEHICLE DETECTION USING DIGITAL SIGNATURE BASED ECU AND IMAGE PROCESSING

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. K. Vengatesan
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(33) Name of priority country	:NA	2)Dr. Abhishek Kumar
(86) International Application No	:NA	3)Dr. S. Yuvaraj
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(87) International Publication No	: NA	5)Dr. Alok Kumar Singh Kushwaha
(61) Patent of Addition to Application Number	:NA	6)Dr. V.D. Ambeth Kumar
Filing Date	:NA	7)Mr. Shivkumar Punjabi
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
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No. of Pages : 19 No. of Claims : 7

(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2021100059 A4**

(54) Title
SELF-CLEANING AND GERM-KILLING REVOLVING PUBLIC TOILET FOR COVID 19

(51) International Patent Classification(s)
E03D 9/00 (2006.01) **E03D 5/10** (2006.01)
E03D 11/12 (2006.01)

(21) Application No: **2021100059** (22) Date of Filing: **2021.01.06**

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(71) Applicant(s)
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(72) Inventor(s)
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(21) Application No.202021025200 A

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(54) Title of the invention : THEFT VEHICLE DETECTION USING DIGITAL SIGNATURE BASED ECU AND IMAGE PROCESSING

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. K. Vengatesan
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(33) Name of priority country	:NA	2)Dr. Abhishek Kumar
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(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2021100780 A4**

(54) Title
SMART BATHROOM SYSTEM AND METHOD

(51) International Patent Classification(s)
A47K 3/28 (2006.01) **F24H 9/20** (2006.01)
E03C 1/04 (2006.01)

(21) Application No: **2021100780** (22) Date of Filing: **2021.02.09**

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(71) Applicant(s)
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(72) Inventor(s)
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(19) INDIA

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No. of Pages : 19 No. of Claims : 7

(54) Title
DELICATE VIBRATORY INSTRUMENT FOR NEONATES ORAL MOTOR SIMULATION

(51) International Patent Classification(s)
A61H 23/02 (2006.01) **A61J 17/02** (2006.01)
A61H 13/00 (2006.01)

(21) Application No: **2021101385** (22) Date of Filing: **2021.03.17**

(45) Publication Date: **2021.05.13**

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(71) Applicant(s)
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(74) Agent / Attorney
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(12) PATENT APPLICATION PUBLICATION

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(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2021102958 A4**

(54) Title
A SYSTEM AND METHOD FOR PREVENTING CORONA VIRUS TRANSMISSION

(51) International Patent Classification(s)
G16H 50/80 (2018.01) **A61B 5/145** (2006.01)
A61B 5/00 (2006.01) **G16H 50/20** (2018.01)
A61B 5/01 (2006.01) **G16H 10/60** (2018.01)
A61B 5/021 (2006.01)

(21) Application No: **2021102958** (22) Date of Filing: **2021.05.29**

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(71) Applicant(s)
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(72) Inventor(s)
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ABSTRACT

The present invention generally relates to a system and method for preventing corona virus transmission. The system comprises a wearable band worn on a wrist of a wearer for calculating temperature, oxygen level, and blood pressure of the wearer; a registration module for registering wearer upon feeding user credentials; a user interface engaged with the registration module for showing image of entity having covid or covid symptoms to maintain a social distancing with the entity, wherein user interface comprises image of entity having covid or covid symptoms; and a plurality of camera configured with a display for showing image of entities having covid or covid symptoms so that other entity reminds particular person to be self-quarantined.

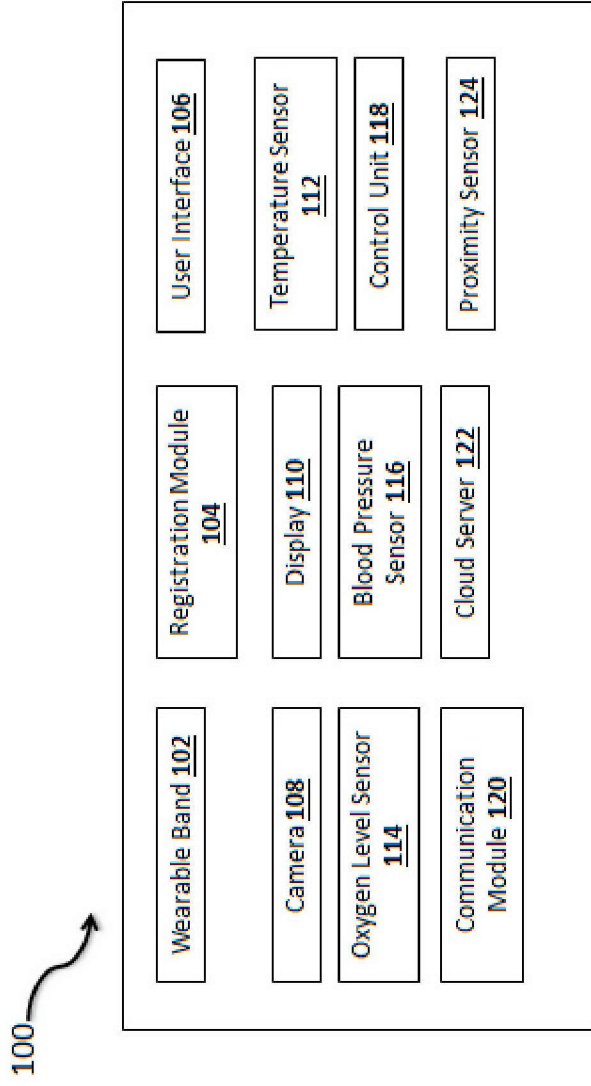


Figure 1

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No. of Pages : 19 No. of Claims : 7

(54) Title of the invention : AN UNMANNED AERIAL VEHICLE FOR SURVEILLANCE

<p>(51) International classification :H04W 21/00</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)Rohit Raja Address of Applicant :Department of Information Technology, School of Engineering & Technology, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh - 495009, India Chattisgarh India</p> <p>2)Alok Kumar Singh Kushwaha</p> <p>3)Sanjay Kumar</p> <p>4)Upasana Sinha</p> <p>5)Sandeep Kumar</p> <p>6)Shrikant Tiwari</p> <p>7)Padma Bonde</p> <p>8)Bhavana Jharia</p> <p>9)Chandra Prakash Gupta</p> <p>10)Saurabh Kumar</p> <p>11)Ramakant Chandrakar</p> <p>(72)Name of Inventor :</p> <p>1)Rohit Raja</p> <p>2)Alok Kumar Singh Kushwaha</p> <p>3)Sanjay Kumar</p> <p>4)Upasana Sinha</p> <p>5)Sandeep Kumar</p> <p>6)Shrikant Tiwari</p> <p>7)Padma Bonde</p> <p>8)Bhavana Jharia</p> <p>9)Chandra Prakash Gupta</p> <p>10)Saurabh Kumar</p> <p>11)Ramakant Chandrakar</p>
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(57) Abstract :

AN UNMANNED AERIAL VEHICLE FOR SURVEILLANCE ABSTRACT An unmanned aerial vehicle for surveillance is disclosed. The device includes an input capturing unit configured to capture plurality of images and plurality of videos of the one or more objects via the at least three image capturing devices with each having a different region of interest to cover a wider area, a position control unit configured to position the at least three image capturing devices independently using at least three movable joints of the unmanned aerial vehicle, a location identification unit configured to identify a suspicious location in a particular geographical area of one or more objects in accordance with one or more predefined parameters, an object motion detection unit configured to track a motion of the one or more objects to detect a suspicious activity, a motion prediction unit configured to predict the motion associated with the object to detect the suspicious activity. FIG. 1

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(54) Title of the invention : THEFT VEHICLE DETECTION USING DIGITAL SIGNATURE BASED ECU AND IMAGE PROCESSING

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(61) Patent of Addition to Application Number	:NA	6)Dr. V.D. Ambeth Kumar
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(57) Abstract :

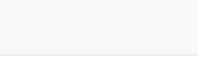
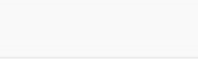
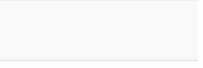
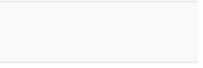
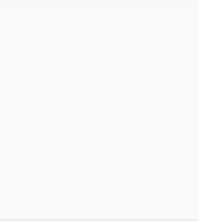
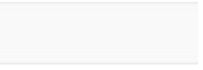
Vehicle theft is a serious problem and catching hold of stolen vehicles is another issue on top on that, which gets complicated as time passes. Some of the factors which effect the complications are a change of the vehicleTMs number plate, dismantling and/or mismatching parts of the vehicle, altering the colour of the vehicle. Because of these complications, it is difficult to stop each vehicle and verify; which is an ineffective way of doing work. To reduce the effort required and to track down the stolen vehicle, we propose to develop a system which can efficiently detect which is stolen irrespective of the fact that the license plate or the colour of the vehicle might be altered. The whole process is done with the help of microcontrollers and some modules.

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TITLE OF INVENTION	LAND SCANNER SYSTEM EMBEDDED IN DRONE FOR LAND SURVEYING
FIELD OF INVENTION	COMMUNICATION
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Signs and Trademarks
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