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(71)**Name of Applicant :**
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
2)Alok Kumar Singh Kushwaha
3)Sanjay Kumar
4)Upasana Sinha
5)Sandeep Kumar
6)Shrikant Tiwari
7)Padma Bonde
8)Bhavana Jharia
9)Chandra Prakash Gupta
10)Saurabh Kumar
11)Ramakant Chandrakar
(72)**Name of Inventor :**
1)Rohit Raja
2)Alok Kumar Singh Kushwaha
3)Sanjay Kumar
4)Upasana Sinha
5)Sandeep Kumar
6)Shrikant Tiwari
7)Padma Bonde
8)Bhavana Jharia
9)Chandra Prakash Gupta
10)Saurabh Kumar
11)Ramakant Chandrakar

(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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(71)**Name of Applicant :**
1)Dr. K. Vengatesan
Address of Applicant :Department of Computer Science & Engineering Sanjivani College of Engineering, Savitribai Phule University, India Maharashtra India
2)Dr. Abhishek Kumar
3)Dr. S. Yuvaraj
4)Mr. Ankit Kumar
5)Dr. Alok Kumar Singh Kushwaha
6)Dr. V.D. Ambeth Kumar
7)Mr. Shivkumar Punjabi
(72)**Name of Inventor :**
1)Dr. K. Vengatesan
2)Dr. Abhishek Kumar
3)Dr. S. Yuvaraj
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 vehicle™s 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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