

(54) Title of the invention : IVEP-SURVEILLANCE SYSTEM: INTELLIGENT VIDEO SURVEILLANCE SYSTEM ENSURING PRIVACY OF PEOPLE.

<p>(51) International classification :H04N 7/18</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</p> <p>Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)DR. RANGAIAH LEBURU (PROFESSOR AND HEAD) Address of Applicant :DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, RAJARAJESWARI COLLEGE OF ENGINEERING, #14, RAMOHALLI CROSS, KUMBALAGODU, MYSORE ROAD, BANGALORE, KARNATAKA-560074, INDIA. E-mail: rleburu@gmail.com Karnataka India</p> <p>2)Dr. VVKDV PRASAD (PROFESSOR AND HEAD)</p> <p>3)Dr. A GANESH RAM (ASSISTANT PROFESSOR)</p> <p>4)A. MURALI KRISHNA (ASSISTANT PROFESSOR)</p> <p>5)Mr. JITENDRA KUMAR SAMRIYA (RESEARCH SCHOLAR)</p> <p>(72)Name of Inventor :</p> <p>1)DR. RANGAIAH LEBURU (PROFESSOR AND HEAD)</p> <p>2)Dr. VVKDV PRASAD (PROFESSOR AND HEAD)</p> <p>3)Dr. A GANESH RAM (ASSISTANT PROFESSOR)</p> <p>4)A. MURALI KRISHNA (ASSISTANT PROFESSOR)</p> <p>5)Mr. JITENDRA KUMAR SAMRIYA (RESEARCH SCHOLAR)</p>
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(57) Abstract :

Patent Title: IVEP-Surveillance System: INTELLIGENT VIDEO SURVEILLANCE SYSTEM ENSURING PRIVACY OF PEOPLE.
ABSTRACT My invention IVEP-Surveillance System • is a video surveillance system which is composed of Four components: 1: Intelligent camera. 2: local server. 3: client. 4: Surveillance software. The connected through IP-networks in wired or wireless configurations. The invented system has been designed so as to protect the privacy of people and goods under surveillance and also Intelligent cameras are based on JP2 compression where an analysis module allows for efficient use of highest security defined tools for the purpose of scrambling, and defined event detection. The invented system analysis is also used in order to provide a better quality in regions of the interest in the scene and compressed video streams leaving the camera are scrambled and signed for the purpose of user privacy and data integrity verification using JP2 compliant methods. The invented system also the same bit stream is also protected based on JP2 compliant methods for robustness to transmission errors and The operations of the intelligent camera are optimized in order to provide the best compromise in terms of perceived visual quality of the decoded video, versus the amount of power consumption also he Intelligent camera can be wireless in both power and communication connections.

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