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(71)**Name of Applicant :**
 1)**Dr.Ch.BABY RAN**
    Address of Applicant :V.R. Siddhartha Engineering College, Kanuru, Krishna District, Vijayawada, 520007, Andhra Pradesh, India Andhra Pradesh India
 2)**DR.NALLAPATI VEDAVATHI**
 3)**Dr. Y. UDAYA KUMAR**
 4)**DR. SHAIK MOHIDDIN SHAW**
 5)**Dr. K.S. BALAMURUGAN**
 6)**Dr- J L RAMA PRASAD**
 7)**Dr. G. DHARMAIAH**
 8)**SREELATHA SANKURU**
 9)**NADIMPALLI UDAYA BHASKARA VARMA**
 10)**KRANTHI KUMAR KOTHA**
(72)**Name of Inventor :**
 1)**Dr.Ch.BABY RAN**
 2)**DR.NALLAPATI VEDAVATHI**
 3)**Dr. Y. UDAYA KUMAR**
 4)**DR. SHAIK MOHIDDIN SHAW**
 5)**Dr. K.S. BALAMURUGAN**
 6)**Dr- J L RAMA PRASAD**
 7)**Dr. G. DHARMAIAH**
 8)**SREELATHA SANKURU**
 9)**NADIMPALLI UDAYA BHASKARA VARMA**
 10)**KRANTHI KUMAR KOTHA**

(57) Abstract :
In underwater communications systems, wireless sensor grids are the enabled technology, and they combine wireless sensor grids. Underwater communication mainly carried out by a series of nodes for transmitting data to the nearby base station for the monitoring and control station in the shore area between its nodes and sink node, the sensed data. The major problems in the oceanic area are under water pollution. Underwater contamination causes acidification, eutrophication, plastic waste, water noise and toxins. This pollution is currently identified by means of human monitoring. Automated and smart monitoring systems are necessary to detect the occurrence of this pollution. The proposed model describes the smart sensor-based monitoring system which identifies pollution in the groundwater and alerts it to occur. With the monitoring system you can detect contamination by automatically and intelligently using the temperature sensor, humidity sensor, pressure sensor and chemical sensor. The system efficiency is tested and the results show that it is better than the process of human monitoring

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