(22) Date of filing of Application :07/12/2024

(43) Publication Date : 13/12/2024

| | | (71)Name of Applicant : |
|-----------------------------------|--|---|
| | | 1)Malla Reddy Engineering College |
| | | Address of Applicant :Dhulapally post via Kompally Maisammaguda Secunderabad -500100 Secunderabad |
| | | |
| | | 2)Dr. 1.Srinivas Reddy |
| | | o)Dr. M.Nithin Varma |
| | | 4)DLJUUAY DHASKAF |
| | | Name of Applicant : NA |
| | | Adures of Applicant , 1/A (72)Nama of Inventor - |
| | | 1)Dr Thalver Duchi Santash Singh |
| | | Address of Applicant Professor Department of Electrical and Electronics Engineering RISE Krishna Sai |
| | | Prakasam Group of Institutions, Valluru NH16, Oncole, Prakasam District AndhraPradesh 523272 Email ID & |
| | | Contact Number: thakurrushisantoshsingh @gmail.com&7382152514 Ongole |
| | | 2)Dr. S.V.Rama Rao |
| | | Address of Applicant :Associate Professor ECE Department NRI Institute of Technology, Agiripalli, |
| | | Vijayawada-521212 Krishna District State:Andhra Pradesh Email ID: svr628@gmail.com Number: |
| | | 9121309196 Vijayawada |
| | | 3)Ch.Venkatalakshmi |
| | | Address of Applicant :Assistant Professor ECE Department Avanthi Institute of Engineering and Technology |
| | | Cherukupalli(v) Bhogapuram (M) Vizianagaram Dist531162 Andhra Pradesh Email ID & Contact Number: |
| | | venkatalakshmiavanthi@gmail.com & 6309718019 Bhogapuram |
| | | 4)P Surendranath |
| | | Address of Applicant :Assistant Professor Department of Electronics & Communication Engineering Nalla |
| | | Malia Reddy Engineering College, Hyderabad Email ID: suri.495@gmail.com Contact: 9490212156 |
| (51) International alassification | :G08B0021160000, G08B0025100000, H04M0011040000, | nyueraaa |
| (51) International classification | F17D0005020000, H04W0004140000 | Address of Applicant Assistant Professor Department of Electronics & Communication Engineering Nalla |
| (86) International Application No | :NA | Malla Reddy Engineering College Hyderabad Email ID: nrabhakar charyo4/@gmail.com/Contact: 7842467647 |
| Filing Date | :NA | Hyderabad |
| (87) International Publication No | : NA | 6)Mr.K.Suresh Babu |
| (61) Patent of Addition to | :NA | Address of Applicant :Associate Professor ECE Department, RISE Krishna Sai Prakasam Goup of Institutions, |
| Eiling Data | :NA | NH 16, Valluru, Ongole -523272 Prakasam District State: Andhra Pradesh Email ID: |
| (62) Divisional to Application | | sureshraja.kosuri36@gmail.com & 9912304956 Ongole |
| Number | :NA | 7)Ch.Giridhar Kumar |
| Filing Date | :NA | Address of Applicant :Assistant Professor Department of Civil Engineering, College of Engineering, JNTU |
| T ming Dute | | Gurajada, Vizianagaram, Dwarapudi, Izianagaram-535003 State:Andhra Pradesh Email ID: |
| | | giridharkumar.ce@jntugvcev.ed.in & 9966513883 Vizianagaram |
| | | 8)Panigrahi Siya Kumar |
| | | Address of Applicant Assistant Professor Department of Electrical and Electronics Engineering, College of |
| | | Engineering, JN 10 Gurajada, Vizianagaram, Dwarapida, Vizianagaram-555005 State:Andnra Pradesn Email |
| | | De athula Bayan Kumar |
| | | 2) formula Lavan Kumai Address of Applicant Assistant Professor Department of Electrical and Electronics Engineering. College of |
| | | Enviros of Apprentia Australia Tronson Department of License and Enconces Engineering, Conce of Enviro |
| | | ID: pavan.eee@intugvcev.ed.in & 9550045200 Vizianagaram |
| | | 10)Komara Siyaram |
| | | Address of Applicant :Assistant Professor,, Physics Department of H&S DMS SVH College of Engineering, |
| | | Machilipatnam-521002 Krishna District Andhra Pradesh Email ID: arnsivaram@gmail.com Number: |
| | | 9441095294 Machilipatnam |
| | | 11)Dr. T.Srinivas Reddy |
| | | Address of Applicant :Associate Professor ECE Department, Malla Reddy Engineering College Dhulapally |
| | | post, via Kompally Maisammaguda, Secunderabad -500100 Email ID: srinivasreddy.14@mrec.ac.in |
| | | Contact:94925/1803 Secunderabad |
| | | 12)Dr. M.Nithin Varma Address of Amiliant Associate Professor ECE Department Mills Dedde Dedinesting Colling Didde U |
| | | Address of Applicant Associate Professor ECE Department, Malla Reddy Engineering College Dhulapally |
| | | post, via Kompany iviaisaniniaguda Secunderabad -500100 Eman 1D: minin@nirec.ac.m Contact: 0963887383 Secunderabad |
| | | 13)Dr.J. Uday Bhaskar |
| | | Address of Applicant :Professor EEE Department, Malla Reddy Engineering College Dhulapally post Via |
| | | Kompally Maisammaguda Secunderabad -500100 Email ID: udavadisar@gmail.com Contact: 8555054468 |
| | | Secunderabad |

(57) Abstract : 3. Abstract : 3. Abstract : Gas leakage and gas cylinder explosion is a regular problem in today's world, especially in developing countries. If the gas leakage can't be detected fast and no action is taken, may lead to explosion and cause severe damages to life and environment. The previous leakage detection systems only use alarms for warning. There is nothing about the protection. In this paper, a system is proposed that can detect not only gas leakage, it can detect explosion, and fire as well. And can take some protective steps. It is equipped with gas sensor to detect the leaked gas and flame sensor to detect the explosion and fire. It has exhaust fan system to clear the leaked gas and flame sensor to detect the explosion and fire is only a fire with no relation to gas leakage. If any incident occurs, that information is sent to owner through wireless media, a display shows the alert message and buzzer makes the alarm. It is equipped with Global System for Mobile communications (GSM) modem as wireless media to send information to owner through Short Message Service (SMS). This ensures preventive actions immediately even in the absence of people on-site. A prototype of this system has been developed and tested with enga leakage, explosion and fire. It is also able to take protective steps quickly. This life saving system is low-cost and useful. It can protect people from burning alive and useful. It can protect people from burning alive

No. of Pages : 7 No. of Claims : 1