(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/02/2023

(21) Application No.202341008551 A
(43) Publication Date : 24/02/2023

(54) Title of the invention : IOT BASED ENHANCED STREET LIGHT FOR VISIBILITY IN FOGGY CONDITIONS

(51) International classification :A61B0005000000, H04B0010116000, H04B0010114000, A61B0090000000, G01P0013000000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Dr. Kishore Bhamidipati
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, Udupi District, Karnataka – 576104 ---------- ----------
2)Dr. K. Guru
3)Dr. Omaia Mohammed Al-Omari
4)Dr. D. Saravanan
5)Dr. G. Arunkumar
6)Mrs. V Ramya
7)Mrs. A.Sravani
8)Dr. Sivaram Rajeyyagari
9)Mr. Indra Kumar Shah
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Kishore Bhamidipati
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, Udupi District, Karnataka – 576104 ---------- ----------
2)Dr. K. Guru
Address of Applicant :Associate Professor, Department of Management Studies, Takshashila University, Ongur, Tindivanam Taluk, Villupuram - 604305 ---------- ----------
3)Dr. Omaia Mohammed Al-Omari
Address of Applicant :Assistant Professor, Department of Information Systems, College of Computing and Information Technology, Shaqra University, Shaqra, Saudi Arabia ---------- ----------
4)Dr. D. Saravanan
Address of Applicant :Independent Researcher, Madurapakkam, Villupuram District, 605501 ---------- ----------
5)Dr. G. Arunkumar
Address of Applicant :Associate Professor, Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor District ---------- ----------
6)Mrs. V Ramya
Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, GMR Institute of Technology, Rajam-532127 ---------- ----------
7)Mrs. A.Sravani
Address of Applicant :Assistant Professor, Department of CSE, GITAM School of Technology, GITAM (Deemed to be University), Visakhapatnam-530045 ---------- ----------
8)Dr. Sivaram Rajeyyagari
Address of Applicant :Associate Professor, Department of Computer Science, College of Computing and Information Technology, Shaqra University, Shaqra, Saudi Arabia ---------- ----------
9)Mr. Indra Kumar Shah
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering (IoT), IPS Academy IES, Indore (MP) ---------- ----------

(57) Abstract :
A light source that emits visible light is included in an object-detecting lighting system's construction. The light source is linked to a source controller, which causes the light source to generate visible light in a mode that has been previously set. An optical detector is placed in relation to the light source, and it is designed to detect visible light that has been reflected or backscattered by an object. The source controller and the optical detector are both linked to a data/signal processor, which allows the processor to accept detection data from the optical detector. A data output associated with the object is generated by the data/signal processor as a function of the predefined mode and the detection data. This output is associated with the object.

No. of Pages : 16 No. of Claims : 4