

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211034088 A

(19) INDIA

(22) Date of filing of Application :14/06/2022

(43) Publication Date : 24/06/2022

(54) Title of the invention : ILLUMINATIVE LIGHT INSTALLATION SYSTEM

(51) International classification :F21S0008040000, B62B0005000000, A61G0005060000, A61B0050130000, F21S0008020000

(86) International Application No :NA  
Filing Date :NA

(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)Noida Institute of Engineering & Technology**

Address of Applicant :Plot No-19, Knowledge Park - 2, Institutional Area, Greater Noida (UP) – 201306, India. Greater Noida -----

**Name of Applicant : NA**

**Address of Applicant : NA**

(72)Name of Inventor :

**1)Kanika Jindal**

Address of Applicant :Department of Electronics and Communication Engineering, Noida Institute of Engineering & Technology, Plot No-19, Knowledge Park - 2, Institutional Area, Greater Noida (UP) – 201306, India. Greater Noida -----

**2)Kamal Bhatia**

Address of Applicant :Department of Electronics and Communication Engineering, Noida Institute of Engineering & Technology, Plot No-19, Knowledge Park - 2, Institutional Area, Greater Noida (UP) – 201306, India. Greater Noida -----

**3)Neeti Taneja**

Address of Applicant :Department of Computer Science and Engineering, Noida Institute of Engineering & Technology, Plot No-19, Knowledge Park - 2, Institutional Area, Greater Noida (UP) – 201306, India. Greater Noida -----

**4)Ritesh Kumar Singh**

Address of Applicant :Department of Computer Science and Engineering, Noida Institute of Engineering & Technology, Plot No-19, Knowledge Park - 2, Institutional Area, Greater Noida (UP) – 201306, India. Greater Noida -----

(57) Abstract :

The present invention relates to an illuminative light installation system comprising, a first body 1 configured with multiple stair climbing wheels 2 adapted for maneuvering the body 1 on a ground surface within an enclosure, a suction cup mapped over the wheels 2 to provide grip to the body 1 on the surface, an image capturing module 9 in synchronization with a sensing module for detecting dimensions of a ceiling and light conditions within the enclosure, a touch interactive panel 10 that is accessed by a user to input commands, a telescopic rod 4 having a motor 7 for drilling, a rack installed with a tube 3 and a panel-light, a second body 11 configured with Klan linkage crawling arrangement 15 and a pair of robotic arm 12 to fix a solar panel on the tube 3 to supply power to illuminate the light within the enclosure.

No. of Pages : 21 No. of Claims : 10