

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311086977 A

(19) INDIA

(22) Date of filing of Application :19/12/2023

(43) Publication Date : 19/01/2024

(54) Title of the invention : PORTABLE TRAFFIC BUTTON PRESSING ASSISTIVE DEVICE FOR TRAFFIC MANAGEMENT

(51) International classification :G08G0001095500, H04L0009320000, G01S0005020000, G06F0001160000, G06F0003023000

(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 and Technology, Greater Noida
 Address of Applicant :Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India.
 Greater Noida -----

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)Dr. Vinod Mansiram Kapse
 Address of Applicant :Department of Electronics & Communication Engineering, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India.
 Greater Noida -----

2)Ashutosh Kumar Singh
 Address of Applicant :Department of Electronics & Communication Engineering, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India.
 Greater Noida -----

3)Himanshu Yadav
 Address of Applicant :Department of Electronics & Communication Engineering, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India.
 Greater Noida -----

(57) Abstract :

A portable traffic button pressing assistive device for traffic management, comprises of a platform 1 configured with a pair of C-shaped extendable members 2 to be positioned in contact with a pole installed with a traffic light, ultrasonic sensors ranging from 4 to 6 in numbers positioned on the platform 1 to detect diameter of the pole, a primary motorized hinge 8 configured between the primary ends for tilting the members 2 towards each other, a camera 3 mounted on a plate 4 configured at a second portion of the platform 1, a motorized slider 6 configured with a pin 5 for translating the pin 5 in order to horizontally align the pin 5 with the button, and a speaker 7 mounted on the platform 1 for notifying the user to press a bottom portion of the plate 4 for pressing the button.

No. of Pages : 17 No. of Claims : 5