

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411021459 A

(19) INDIA

(22) Date of filing of Application :20/03/2024

(43) Publication Date : 26/04/2024

(54) Title of the invention : SMART+ AN ADVANCED VEHICLE EMERGENCY ASSISTANCE DEVICE

(51) International classification :G08B0025010000, G07C0005000000, G08B0025000000, G08B0025080000, G08B0021040000
(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)Chitkara University

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

2)Chitkara Innovation Incubator Foundation

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Renuka Sharma

Address of Applicant :Professor, Chitkara Business School, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

2)Kiran Mehta

Address of Applicant :Professor & Dean (MBA-F&B), Chitkara Business School, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

3)Tinu Bansal

Address of Applicant :Student, Chitkara Business School, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

(57) Abstract :

The present disclosure introduces Smart+ an advanced vehicle emergency assistance device 100 to address the recurrent challenges faced by individuals while traveling. It comprises of microcontroller 102, GPS (Global Positioning System) 104, GSM modem 106, LCD Display 108, power supply 110, infrared sensor 112, fire detector 114, map service APIs 116, SOS button 118, vehicle diagnostic module 200 comprising of sensor unit 202, alarm/ notification system 204 and auto communication module 300. This device offers 24x7 assistance for vehicle-related issues, enhancing road safety and promoting user independence. REFERENCE FIG 1

No. of Pages : 28 No. of Claims : 10