

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111049274 A

(19) INDIA

(22) Date of filing of Application :28/10/2021

(43) Publication Date : 05/05/2023

(54) Title of the invention : SYSTEM FOR AUTOMATIC REPORTING OF VEHICLE ACCIDENT AND METHOD THEREOF

|  |   |  |
|--|---|--|
| (51) International classification              | :G07C0005080000,<br>G08B0025080000,<br>G08B0025000000,<br>G08B0025010000,<br>G08G0001010000 | (71)Name of Applicant :<br><b>1)Chitkara Innovation Incubator Foundation</b><br>Address of Applicant :SCO: 160-161, Sector - 9c, Madhya<br>Marg, Chandigarh- 160009, India. Chandigarh India |
| (31) Priority Document No                      | :NA   | (72)Name of Inventor :   |
| (32) Priority Date                             | :NA   | <b>1)VIDHYOTMA</b>   |
| (33) Name of priority country                  | :NA   | <b>2)SINGH, Jaiteg</b>   |
| (86) International Application No              | :NA   | <b>3)KAUSHAL, Payal</b>  |
| Filing Date                                    | :NA   | <b>4)REEHAL, Ishmita</b>   |
| (87) International Publication No              | : NA  | <b>5)BHRIGUL</b>   |
| (61) Patent of Addition to Application Number: | NA  | <b>6)SARDANA, Saksham</b>  |
| Filing Date                                    | :NA   | <b>7)KAMBOJ, Pranav</b>  |
| (62) Divisional to Application Number          | :NA   | <b>8)CHAUHA, Manish</b>  |
| Filing Date                                    | :NA   |  |

(57) Abstract :

A system 100 for detecting and reporting accident is disclosed, the system 100 including sensors for detecting one or parameters such as tilting of the vehicle, impact on the vehicle, and fire in the vehicle, and etc. The system 100 include a processing unit 106, and upon detecting any of the parameters and fire in the vehicle beyond pre-defined threshold values, transmit alert signals to one or more mobile computing devices, where the one or more mobile computing devices associated with family members, friends, police station, ambulance, fire brigade, and the likes. Also, in case, at the time of accident, sensors damaged, the processing units 106 may detect cut off with the sensors, and warning signals may be transmitted to registered contact numbers.

No. of Pages : 27 No. of Claims : 9