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(57) Abstract :

“ROBUST VEHICLE CRASH DETECTION SOS SYSTEM USING LOWER EARTH ORBIT SATELLITE COMMUNICATION” Accordingly, embodiments herein disclose a robust vehicle crash detection save our souls (SOS) system using lower earth orbit satellite communication comprising an iridium lower earth orbit satellite communication transceiver modem for transmitting SOS signal from a motor vehicle to a command center; a microcontroller configured to interface the crash detection system to the iridium lower earth orbit satellite communication transceiver modem; and an accelerometer configured to detect the sudden change in deceleration of the motor vehicle and to compare the deceleration data with the threshold value set in the microcontroller when the accident occurs. The system detects the accident then SOS message along with the geo-coordinate GPS data of the specific location is retrieved from the satellite transceiver and will be ready to be sent to the command line center. Figure Published with Abstract: Figure1

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