AN IMPLEMENTATION OF CRASH-DATA AUTOMATIC MONITORING SYSTEM (CDAMS) IN AUTOMOBILES

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ABSTRACT

The paper addresses the problem of investigating the situations of near crash and at the time of impact, in the event of head-on collisions and rear end collision as well, by locating the latitude and longitude of the position of the vehicle using GPS function. The Crash Data Automatic Monitoring System (CDAMS) is analogous to the Black Box technology that underwent dramatic changes through its reconciliation with the embedded system and camera technology. The data, so generated may give a fillip to understand the mechanics of accidents and serves a beacon light to planners, Crime Investigative Agencies and the researchers as well.

KEYWORDS: Black Box, Communication Satellite, Embedded System, GPS & GPS Tracker, Sensors, Serial Communication and Wireless Transmission (See Foot-Notes)