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(57) Abstract : An anti Collision Device System for trains and the like transportation systems comprising of a Network of Anti Collision Devices (ACD). Provided at locomotive (LOCO ACD), guard vans (GUARD ACD) stations (STATION ACD) and level crossing gates (GATE ACD) comprising of a microprocessor based Central Control Unit (CCU) (1), Radio Transceiver (2), Global positioning System (GPS) receiver (3), Power Converter (4), Data entry key pad (5), Whip antenna (7) for radio transceiver and hard mount antenna (8) for GPS receiver, a Crew interface (9), Automatic Braking Unit (ABU) (6) linked with the braking mechanism of locomotive to control the speed of train as per command received from the CCU (1) all units and system functionally interconnected to detect situations when collision or side collision of two moving ACDs may occur and take quick action to prevent the same or drastically reduce the seriousness of impact by cutting down speed, independent of all types of signaling and inter locking systems and human failure.

(FIG.): NIL

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