

## GPS BASED VARIABLE VEHICLE SPEED CONTROLLER

### ABSTRACT OF THE DISCLOSURE

A variable vehicle speed controller is disclosed. The speed controller is GPS based for use in an automatic or manual drive vehicle which is in motion from One Speed zone to another Speed zone, the vehicle speed is automatically controlled and vehicle not allowed to go beyond the specified speed limit of the zone, said variable vehicle speed controller comprising: a micro controller unit (40) to read, measure and control of a plurality of functions of the vehicle; a speed sensor interface (30) linked to the micro controller unit (40) for reading the speed of the vehicle; a GPS module (32) including a GPS antenna (22) for determining the location of the vehicle and linked to the micro controller unit (40); a digital map data memory (60) for having the database of the speed limits with location of the vehicle and linked to the micro controller unit; a speed control interface (62) linked to the micro controller unit (40) for controlling the speed of the vehicle; a digital input interface (42) linked to the micro controller unit (40) for reading the status of ignition switch of the vehicle; and a digital output interface (52) for lighting up an indicator showing the speed limit in operation.

(FIG. 1)