

ACCURATE POSITIONING SYSTEM FOR A VEHICLE AND ITS POSITIONING METHOD

ABSTRACT OF THE DISCLOSURE

An accurate positioning system installed in a vehicle is disclosed to include a GPS, a Gyro sensor, a vehicle speedometer, and a controller. When the GPS outputs a next GPS coordinates, the controller calculates a
5 next reference coordinates subject to the azimuth signal outputted from the Gyro sensor and the vehicle speed signal outputted from the vehicle speedometer and calculates the distance between the next GPS coordinates and the next reference coordinates, and then assigns the GPS coordinates to be the next accurate coordinates for output when the distance between the
10 next GPS coordinates and the next reference coordinates surpasses a reference distance, or assigns the next reference coordinates to be the next accurate coordinates for output when the distance between the next GPS coordinates and the next reference coordinates is smaller than or equal to the reference distance.

15 (Fig. 2)