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MOBILE COMMUNICATION METHOD

ABSTRACT OF THE DISCLOSURE

A mobile communication method. A pilot signal is repeatedly transmitted toward the communication zone of a confirmation antenna. As an IU on a vehicle arrives at the communication zone, it transmits a pilot response signal in reply to the pilot signal. When the confirmation antenna receives the pilot response signal, a procedure relating to the confirmation of debiting will be executed. When a given time period has passed after this procedure has terminated, the IU transmits an existence-in-second-gantry-zone signal in response to the pilot signal, if the vehicle still exists in the communication zone. By receiving the existence-in-second-gantry-zone signal, it can be ascertained that the vehicle having been confirmed the debiting exists in the communication zone. Even if a plurality of vehicles are running in the same lane side-by-side, each of these vehicles can be distinguished from one another. The mobile communication method may be similarly applied to any other moving body, as well as to a road vehicle.

FIGURE 5

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