

ABSTRACT

The invention relates to the field of management of land-based vehicles on the airport territory using satellite positioning technologies.

The technique of real-time tracking and management of land-based vehicles of the airport includes creation of a geoinformation system of the airport territory, real-time determination of coordinates of vehicles using satellite positioning devices, control of speed and/or routes of vehicle movement and management of vehicle traffic. Additionally, state of vehicles and/or time of execution of works by each vehicle are controlled and movement of and execution of works by vehicles in accordance with time technological schedules of postflight servicing of aircrafts on the basis of daily plans of flights is handled. The geoinformation system of the airport territory is formed in the two-dimensional coordinates, and coordinates of vehicles are determined according to the relative geographic coordinates.

12 z.p.f., 17 ill.

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Fig. 1