

Title (en)

METHOD AND DEVICE FOR THE AUTOMATED CONTROL OF TRACK-BOUND VEHICLES AND MAGNETIC TRACK SYSTEM

Title (de)

VERFAHREN UND EINRICHTUNG ZUR AUTOMATISCHEN STEUERUNG SPURGEBUNDENER FAHRZEUGE SOWIE MAGNETBAHNANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE AUTOMATIQUE DE VÉHICULES GUIDÉS ET INSTALLATION À PISTE MAGNÉTIQUE

Publication

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Application

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Abstract (en)

[origin: WO2010026051A1] The invention relates to a method for automatically controlling track-bound vehicles (20, 30) that move along a route equipped with stops (6, 7), wherein the route is subdivided into drive areas (1, 2, 3) in which only one vehicle (20, 30) is allowed to be driven at a time, respectively. For the purposes of monitoring and controlling the respective vehicle (20, 30), a stop (6, 7) up ahead in the direction of travel (F) is preselected, wherein the speed of the respective vehicle (20, 30) relative to the respective preselected stop (6, 7) is monitored and controlled in such a way that the speed is maintained at all times between a minimum speed that allows the vehicle (20, 30), solely based on the momentum thereof, to reach the preselected stop (6, 7) when the drive of the vehicle fails and a maximum speed below which the vehicle (20, 30) is guaranteed to be able to slow down to the preselected stop (6, 7), and wherein in the case of successive vehicles (20, 30) a stop (6) located in a drive area (2) that is still occupied by a leading vehicle (30) is allowed to be preselected for a monitoring and controlling of the speed of the following vehicle (20) provided that it can be ensured, based on the monitored minimum speed of the leading vehicle (30) and the monitored maximum speed of the following vehicle (30), that the leading vehicle (30) will have left the respective drive area (2) prior to the following vehicle (20) entering said drive area (2).

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