

Title (en)
SYSTEM FOR SEMICONTINUOUS CONTROL OF TRACK-GUIDED VEHICLES

Title (de)
SYSTEM ZUR SEMIKONTINUIERLICHEN STEUERUNG VON SPURGEFÜHRTEN FAHRZEUGEN

Title (fr)
SYSTEME DE COMMANDE EN SEMI-CONTINU DE VEHICULES GUIDES

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Application
EP 97938896 A 19970730

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• EP 9704395 W 19970730

Abstract (en)
[origin: DE19630575A1] This invention concerns a system for semi-continuous control of a plurality of trackbound vehicles (FZ) which are equipped with radio receivers (EF) and vehicle control devices (SG). This system can be economically used both around the rail station and on open stretches and requires neither additional route cables, nor radio transmitters with a long transmission range. To points along the route where vehicles will receive control information are allocated punctual transmission devices (TR1, TR2) and short-range simultaneous transmitters (FS). The transmission devices transmit selection criteria to the vehicles which use the signals to receive the transmitter assigned to them. The transmitter is located, for example, at the site of a signal of open line (S) and conveys its current signal indication to the vehicle. The transmission energy and the signal information are taken from the signal electrical circuits. If a punctual transmission device or the transmitter fails, the vehicle notices it. Transmitters can also be gathered near a signal box from which they receive--via data link--the data to be sent. The transmitters work preferably in a spread carrier frequency band. The data transmission channels assigned to the transmitters are formed by frequency hopping or pseudo-noise coding.

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