

Title (en)

METHOD AND DEVICE FOR TRAIN-CONTROLLED CHANGE IN DIRECTION IN SINGLE-TRACK RAILWAY OPERATION

Title (de)

VERFAHREN UND EINRICHTUNG FÜR ZUGGESTEUERTEN RICHTUNGSWECHSEL BEI EINGLEISIGEM BAHNBETRIEB

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE D'AIGUILLAGE PAR LE CONVOI, DANS UN SYSTEME EXPLOITE EN VOIE UNIQUE

Publication

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Application

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Abstract (en)

[origin: WO9601201A1] Control devices for points at each end of single-track stretches of railway are connected to each other in order to ensure that, before authorizing a train to travel, both control devices are in the required position and secured against a change in direction. The invention proposes a method and device designed to ensure a safe change in direction in simple operating conditions. After a train (T1) has departed from a station (A), the departure points (A2) are changed, after the train has driven over them, in order to prepare for the subsequent passage of a train in the other direction. After the train (T1) has driven over the arrival points (E1) at the other station (B), these are also changed and clearance given for departure of the train (T2) in the opposite direction. The train-controlled changing of the points can be overridden by a command from the traffic controller or from the train driver to permit several trains to pass in the same direction until the override is lifted. The commands and remote enquiries are transmitted by radio links. The invention represents an inexpensive way of ensuring a safe change in the direction of travel on single-track stretches of railway and provides a basis for radio-controlled railway operation.

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