

Title (en)
TRAIN CONTROL SYSTEM AND TRAIN CONTROL METHOD

Title (de)
ZUGSTEUERUNGSSYSTEM UND ZUGSTEUERUNGSVERFAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE COMMANDE DE TRAIN

Publication
EP 2939901 B1 20180321 (EN)

Application
EP 13867115 A 20130909

Priority
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• JP 2013005317 W 20130909

Abstract (en)
[origin: EP2939901A1] Even when a radio communication disabled section occurs so as to include a part or all of an interlocking control section, an operation such as overtaking and waiting is enabled in this section at low cost. In a train control method which has a ground radio communication unit that communicates with an on-board communication unit provided in a train, and a ground coil that is installed at a predetermined stop position at which the train stops, and is communicable with the train, calculates a stop limit position to be given to the train, based on information through the ground radio communication unit, and performs operation control of the train in a predetermined section, when the radio communication between the on-board radio communication unit and the ground radio communication unit is disrupted, a calculated radio communication disruption section including a section in which the radio communication is disrupted is set, with respect to a train traveling through the calculated radio communication disruption section, an on-rail state of the train is estimated, based on a first stop limit position so that the train reaches up to a position of the ground coil, or a second stop limit position that is ahead of the calculated radio communication disruption section, and a lastly received train position, and operation control of the train is performed, based on the estimated on-rail state of the train.

IPC 8 full level
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