

Title (en)
RAILWAY VEHICLE HAVING AN ETCS ON-BOARD UNIT, RAILWAY VEHICLE ASSEMBLY WITH AT LEAST TWO RAILWAY VEHICLES EACH HAVING AN ETCS ON-BOARD UNIT AND METHOD FOR CONTROLLING A RAILWAY VEHICLE ASSEMBLY OF THIS TYPE

Title (de)
SCHIENENFAHRZEUG MIT EINER ETCS-BORDEINHEIT, SCHIENENFAHRZEUG-VERBAND MIT MINDESTENS ZWEI SCHIENENFAHRZEUGEN MIT JEWEILS EINER ETCS-BORDEINHEIT UND VERFAHREN ZUM STEuern EINES DERARTIGEN SCHIENENFAHRZEUG-VERBANDS

Title (fr)
VÉHICULE FERROVIAIRE COMPORTANT UNE UNITÉ DE BORD ETCS, RAME DE VÉHICULES FERROVIAIRES COMPORTANT AU MOINS DEUX VÉHICULES FERROVIAIRES MUNIS CHACUN D'UNE UNITÉ DE BORD ETCS ET PROCÉDÉ DE GESTION DE LADITE RAME DE VÉHICULES

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Abstract (en)
[origin: WO2015150313A1] The invention relates to a railway vehicle (2; 3) having an ETCS (European Train Control System) on-board unit (4; 5) that is provided with an interface (6; 7) for control data from route devices of national train protection systems. In order to be able to operate a railway vehicle of this type in a new (ancillary) ETCS mode, the ETCS on-board unit (4; 5) is associated with an additional device (8; 9) that is connected to an antenna (10; 11) on the input side, and is connected on the output side, via its own interface (12; 13) for control data from route devices of national train protection systems, to the interface (6; 7) for control data from route devices of national train protection systems of the ETCS on-board unit (4; 5), wherein the one additional device (8; 9) is suitable for acting as a national train protection system by taking over control data of the ETCS on-board unit (5), in response to information signalling a virtual coupling of the railway vehicle (2) to a further railway vehicle (3), and received via the antenna (11). A further additional device (15; 16) having a further antenna (17; 18) is arranged downstream of the ETCS on-board unit (4; 5), wherein the further additional device (15; 16) is suitable for sending a signal, via the antenna (17; 18), for virtually coupling a railway vehicle. The invention also relates to a railway vehicle assembly with at least two railway vehicles having an ETCS on-board unit, and to a method for controlling a railway vehicle assembly of this type.

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