

Title (en)

CTCS LEVEL-3 ONBOARD AUTOMATIC TRAIN OPERATION DEVICE AND RAIL TRANSIT CAR

Title (de)

AUTOMATISCHE BORDINTERNE CTCS-LEVEL-3-ZUGBETRIEBSVORRICHTUNG UND SCHIENENTRANSITFAHRZEUG

Title (fr)

DISPOSITIF DE CONDUITE AUTOMATIQUE DE TRAIN EMBARQUÉ DE CTCS NIVEAU 3 ET VÉHICULE FERROVIAIRE

Publication

EP 2746132 B1 20160803 (EN)

Application

EP 12786406 A 20120516

Priority

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Abstract (en)

[origin: EP2746132A1] The present invention provides a CTCS-3 onboard device for automatic train operation and a rail transit vehicle, wherein the CTCS-3 onboard device for automatic train operation comprises: an interface module (10) and a train control command generating module (11), wherein the interface module (10) is connected to the train control command generating module (11), an automatic train protection device (20), and a train control interface (21), respectively; the train control command generating module (11) exchanges information with the automatic train protection device (20) and the train control interface (21) via the interface module (10); and the train control command generating module (11) is used to generate train control commands according to information received via the interface module (10), and transmit the train control commands to the train control interface (21) via the interface module (10), so that devices connected to the train control interface (21) can obtain and execute the commands. The CTCS-3 onboard device for automatic train operation and the rail transit car according to the present invention can efficiently and automatically control a high-speed train, which in turn enables the smooth operation and stopping precision, thereby improving passenger comfort and satisfaction.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN112441089A; EP3428377A4; EP3888996A4; CN110626393A; US11125006B2; WO2017162406A1; EP3744605B1

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