

Title (en)

ARRANGEMENT FOR TESTING ETCS LEVEL 2 FUNCTIONALITIES IN RAIL TRANSPORT

Title (de)

ANORDNUNG ZUM TESTEN VON ETCS-LEVEL-2-FUNKTIONALITÄTEN IM SCHIENENVERKEHR

Title (fr)

ARRANGEMENT POUR TESTER LES FONCTIONNALITÉS ETCS NIVEAU 2 DANS LE TRANSPORT FERROVIAIRE

Publication

EP 4087766 B1 20231227 (DE)

Application

EP 20824102 A 20201125

Priority

- DE 102020200259 A 20200110
- EP 2020083413 W 20201125

Abstract (en)

[origin: WO2021139921A1] The invention relates to a method for testing ETCS Level 2 functionalities in rail traffic. An on-board unit (OBU) is provided in a rail vehicle (SZF) as a first assembly (BG1) with which the movement of the rail vehicle is monitored. In accordance with the ETCS Level 2 functionality, the first assembly has (BG1) a terminal (AS) for a GSM-R radio connection. An adapter (ADP) is provided in the rail vehicle as a second assembly (BG2). The adapter (ADP) is connected to the terminal (AS) of the first assembly (BG1) by means of a data transfer line (DL1) such that a GSM-R radio connection is simulated for the first assembly (BG1). The adapter (ADP) is connected by means of a data transfer line (DL2) to a computer (RE) as a third assembly (BG3). The computer (RE) is arranged in the rail vehicle (SZF) and contains a software with which, in accordance with the ETCS Level 2 functionality, a radio block centre (RBC) of a signal box is simulated for testing purposes.

IPC 8 full level

B61L 27/20 (2022.01); **B61L 15/00** (2006.01); **B61L 27/60** (2022.01)

CPC (source: EP)

B61L 15/0081 (2013.01); **B61L 27/20** (2022.01); **B61L 27/60** (2022.01); **B61L 2027/202** (2022.01); **B61L 2205/02** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2021139921 A1 20210715; EP 4087766 A1 20221116; EP 4087766 B1 20231227; EP 4087766 C0 20231227; ES 2973818 T3 20240624; PL 4087766 T3 20240520

DOCDB simple family (application)

EP 2020083413 W 20201125; EP 20824102 A 20201125; ES 20824102 T 20201125; PL 20824102 T 20201125