

Title (en)

VEHICLE-MOUNTED DEVICE CAPABLE OF HIGHLY EFFICIENT SHUNTING AND METHOD THEREOF

Title (de)

FAHRZEUGMONTIERTE VORRICHTUNG MIT HOCHEFFIZIENTEM RANGIEREN UND VERFAHREN DAFÜR

Title (fr)

DISPOSITIF MONTÉ SUR VÉHICULE CAPABLE D'UNE DÉRIVATION HAUTEMENT EFFICACE ET PROCÉDÉ ASSOCIÉ

Publication

EP 3943362 A4 20220810 (EN)

Application

EP 21759005 A 20210629

Priority

- CN 202011181429 A 20201029
- CN 2021102921 W 20210629

Abstract (en)

[origin: EP3943362A1] The present invention relates to on-board equipment and a method capable of efficient shunting. The on-board equipment has a shunting mode and a passive shunting mode, when the on-board equipment is in the passive shunting mode, a driver activates a bridge, the on-board equipment directly enters the shunting mode, and shunting operation may be conducted immediately, so that a process of electrifying the on-board equipment and entering the shunting mode are saved, thereby greatly improving working efficiency. With only one set of on-board equipment equipped, a train may also realize the efficient shunting operation, save cost, and also save mounting space.

IPC 8 full level

B61L 15/00 (2006.01)

CPC (source: CN EP)

B61C 17/00 (2013.01 - CN); **B61L 15/0063** (2013.01 - CN EP); **B61L 15/0072** (2013.01 - EP); **B61L 15/0062** (2024.01 - EP); **B61L 15/009** (2013.01 - EP); **B61L 2027/202** (2022.01 - EP)

Citation (search report)

- [I] "ERTMS/ETCS", 12 May 2014, ERA * UNISIG * EEIG ERTMS USERS GROUP, article ERA * UNISIG * EEIG ERTMS USERS GROUP: "System Requirements Specification Chapter 4 : Modes and Transitions, Subset-026-4", pages: 1 - 74, XP055276165
- [A] "UNISIG * EEIG ERTMS USERS GROUP * UNIFE ERTMS/ETCS Train Interface FIS", 17 December 2015, article SUBSET-034: "UNISIG * EEIG ERTMS USERS GROUP * UNIFE ERTMS/ETCS Train Interface FIS", pages: 1 - 18, XP055937335
- [A] "SYSTEM REQUIREMENTS SPECIFICATION. CHAPTER 2. BASIC SYSTEM DESCRIPTION", UNISIG SRS, XX, XX, vol. 2, 1 February 2002 (2002-02-01), pages 1 - 24, XP009069604
- See references of WO 2021233479A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3943362 A1 20220126; **EP 3943362 A4 20220810**; CN 112406955 A 20210226; WO 2021233479 A1 20211125

DOCDB simple family (application)

EP 21759005 A 20210629; CN 202011181429 A 20201029; CN 2021102921 W 20210629