

Title (en)

BOARDING AUXILIARY DEVICE OF RAIL VEHICLE

Title (de)

EINSTIEGSHILFSVORRICHTUNG FÜR SCHIENENFAHRZEUG

Title (fr)

DISPOSITIF AUXILIAIRE D'EMBARQUEMENT DE VÉHICULE FERROVIAIRE

Publication

EP 3950458 A1 20220209 (EN)

Application

EP 19926114 A 20191105

Priority

- CN 201910337942 A 20190425
- CN 2019115521 W 20191105

Abstract (en)

Disclosed is a boarding auxiliary device of a rail vehicle. The boarding auxiliary device includes a boarding platform (1) and a lifting mechanism located below the boarding platform (1), the lifting mechanism includes a bidirectional power mechanism, a guide rail (3), two first support rods (4) and two second support rods (5), and the movement directions of two power output ends of the bidirectional power mechanism are opposite to each other and are parallel to the boarding platform (1); the upper ends of the two first support rods(4) are hinged to the boarding platform (1), and the lower ends of the two first support rods (4) are movably connected to the guide rail (3) and can move along the guide rail (3); the upper ends of the two second support rods (5) are respectively hinged to the middle of the corresponding two first support rods (4), the lower ends of the two second support rods (5) are respectively hinged to the two power output ends of the bidirectional power mechanism. The boarding platform (1) can be installed as part of a vehicle body floor and is at the same height as a vehicle floor; and the lifting mechanism enables the boarding platform (1) to ascend or descend to meet the boarding requirements of platforms of different heights.

IPC 8 full level

B61D 23/00 (2006.01)

CPC (source: CN EP)

B61D 23/00 (2013.01 - CN); **B61D 23/025** (2013.01 - EP)

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 3950458 A1 20220209; **EP 3950458 A4 20221221**; **EP 3950458 B1 20240228**; CN 110015315 A 20190716; CN 110015315 B 20201113; WO 2020215656 A1 20201029

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