

Title (en)

RAIL VEHICLE AND WINDSHIELD HANGING DEVICE THEREOF

Title (de)

SCHIENENFAHRZEUG UND WINDSCHUTZSCHEIBENAUFHÄNGUNGSVORRICHTUNG DAVON

Title (fr)

VÉHICULE FERROVIAIRE ET DISPOSITIF DE SUSPENSION DE PARE-BRISE DE CELUI-CI

Publication

EP 3957537 A4 20230208 (EN)

Application

EP 20835610 A 20200611

Priority

- CN 201910596823 A 20190702
- CN 2020095566 W 20200611

Abstract (en)

[origin: EP3957537A1] Disclosed is a windshield hanging device (23), comprising mounting seats (11) arranged on two sides of the bottom of a vehicle frame, and a connection member (12) arranged in the middle of the bottom of the vehicle frame, wherein a middle bearing (121) is arranged in the middle of the connection member (12) in a vertical direction, and a middle supporting shaft (122) is coaxially inserted into the middle of the middle bearing (121) in a fixed-axis rotatable manner; a top end of the middle supporting shaft (122) is fixed to the bottom of an inner compartment body (22) of a vehicle, and a bottom end of the middle supporting shaft (122) is fixed to an inner wall of the bottom of a windshield (21) of the vehicle; and a vertically-arranged end bearing (111) is hinged to an inner side of the mounting seat (11), an end supporting shaft (112) is coaxially inserted into the middle of the end bearing (111) in a fixed-axis rotatable manner, an elastic buffer member (13), arranged in a width direction of the vehicle frame, is connected between the end bearing (111) and the connection member (12), and a sleeve (14) capable of extending and retracting in the width direction of the vehicle frame is mounted outside the elastic buffer member (13) in a sleeving manner.

IPC 8 full level

B61D 17/22 (2006.01)

CPC (source: CN EP)

B61D 17/22 (2013.01 - CN EP)

Citation (search report)

- [A] DE 2908354 A1 19800904 - MASCHF AUGSBURG NUERNBERG AG
- [A] WO 9634774 A1 19961107 - HUEBNER GUMMI & KUNSTSTOFF [DE], et al
- [A] DE 10238110 A1 20040311 - HUEBNER GMBH [DE]
- [A] JP H0577724 A 19930330 - NARITA MFG LTD
- See also references of WO 2021000710A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 20835610 A 20200611; CN 201910650262 A 20190718; CN 2020095566 W 20200611; RS P20240800 A 20200611; SG 11202112497T A 20200611