

Title (en)
RAIL VEHICLE

Title (de)
SCHIENENFAHRZEUG

Title (fr)
VÉHICULE FERROVIAIRE

Publication
EP 3652040 A1 20200520 (DE)

Application
EP 18734443 A 20180611

Priority
• DE 102017214925 A 20170825
• EP 2018065282 W 20180611

Abstract (en)
[origin: WO2019037914A1] The invention relates to a rail vehicle comprising a roof, a securing device, and a body. The securing device has at least a first securing unit and at least a second securing unit, and the first securing unit and the second securing unit are arranged offset relative to each other and are designed to secure the roof to the body. The first securing unit comprises a fixed bearing, said fixed bearing being designed to prevent a movement of the roof relative to the body, and the second securing unit has a floating bearing, said floating bearing being designed to allow a movement of the roof in a longitudinal direction of the rail vehicle and to prevent a movement of the roof perpendicularly to the vehicle longitudinal direction.

IPC 8 full level
B61D 17/12 (2006.01)

CPC (source: EP RU US)
B61D 17/12 (2013.01 - EP RU US)

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)
WO 2019037914 A1 20190228; CN 111194288 A 20200522; CN 111194288 B 20210810; EP 3652040 A1 20200520; EP 3652040 B1 20210728; ES 2890665 T3 20220121; PL 3652040 T3 20211220; RU 2737870 C1 20201204; US 11285977 B2 20220329; US 2020391770 A1 20201217

DOCDB simple family (application)
EP 2018065282 W 20180611; CN 201880065772 A 20180611; EP 18734443 A 20180611; ES 18734443 T 20180611; PL 18734443 T 20180611; RU 2020111235 A 20180611; US 201816641760 A 20180611