

Title (en)
RAILWAY VEHICLE

Title (de)
SCHIENENFAHRZEUG

Title (fr)
VÉHICULE FERROVIAIRE

Publication
EP 3045371 A4 20170426 (EN)

Application
EP 13893466 A 20130912

Priority
JP 2013074702 W 20130912

Abstract (en)
[origin: EP3045371A1] [Summary] [Problem] A railway vehicle whose upper floor can be effectively prevented from floating upward when a large impact acts on the railway vehicle, without obstructing elastic support of the upper floor, is to be provided. [Solution] A railway vehicle in which an upper floor forming a floor is laid down on a top surface side of an underframe includes: a protruding part provided along a longitudinal direction of the underframe, on the top surface of the underframe; an elastic member arranged along the longitudinal direction of the underframe and having a bottom surface fixed to the top surface of the underframe or a top surface of a horizontal piece of the protruding part; and a support member fixed to a top surface of the elastic member and fixed to a bottom surface of the upper floor; wherein the protruding part and the support member are formed in such a way that the protruding part locks movement of the support member into a direction away from the top surface of the underframe.

IPC 8 full level
B61D 17/10 (2006.01)

CPC (source: EP)
B61C 17/00 (2013.01); **B61D 17/10** (2013.01)

Citation (search report)

- [X] EP 1508489 A2 20050223 - SIEMENS AG [DE]
- [X] EP 1193165 A2 20020403 - GETZNER WERKSTOFFE GMBH [AT]
- [X] DD 253229 A1 19880113 - GOERLITZ WAGGONBAU VEB [DD]
- [E] DE 102013200628 A1 20140717 - SIEMENS AG [DE]
- See references of WO 2015037100A1

Cited by
WO2018040892A1

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)
EP 3045371 A1 20160720; EP 3045371 A4 20170426; EP 3045371 B1 20180815; EP 3421318 A1 20190102; EP 3421318 B1 20190724; JP 6082470 B2 20170215; JP WO2015037100 A1 20170302; WO 2015037100 A1 20150319

DOCDB simple family (application)
EP 13893466 A 20130912; EP 18180975 A 20130912; JP 2013074702 W 20130912; JP 2015536366 A 20130912