

Title (en)

SYSTEM FOR AUTOMATIC COUPLING AND RELEASE OF VEHICLES TRAVELLING ON THE RAIL NETWORK

Title (de)

SYSTEM ZUR AUTOMATISCHEN VERBINDUNG UND LÖSUNG VON FAHRZEUGEN IN EINEM SCHIENENNETZ

Title (fr)

SYSTÈME POUR ACCOUPLEMENT ET LIBÉRATION AUTOMATIQUES DE VÉHICULES SE DÉPLAÇANT SUR LE RÉSEAU FERROVIAIRE

Publication

EP 3371030 B1 20191016 (EN)

Application

EP 16812854 A 20161103

Priority

- IT UB20154755 A 20151105
- IB 2016056612 W 20161103

Abstract (en)

[origin: WO2017077474A1] System (100, 200, 300) for automatic coupling and release of at least a first vehicle (70, 80) and of a second vehicle (90a, 90b) travelling on the railway network comprising at least a first hooking group (10, 210, 310) of the first vehicle (70, 80) and at least a second hooking group (50, 250, 350) of the second vehicle (90a, 90b), comprising at least one vertical alignment apparatus (11a, 51a, 211; 251, 311, 351) for vertical alignment of the at least one first and at least a second hooking group (10, 210, 250; 50, 310, 350), the first and at least the second hooking group (10, 210, 250; 50, 310, 350) being configured to be coupled and released each other by means of complementary interlocking coupling means (18; 58; 218, 258; 318, 358) under the control of an informatic system present on each vehicle (70, 80, 90a, 90b).

IPC 8 full level

B61G 7/10 (2006.01)

CPC (source: EA EP US)

B61G 5/02 (2013.01 - EA US); **B61G 7/10** (2013.01 - EA EP US); **B61L 15/0072** (2013.01 - EP); **B61L 15/0081** (2013.01 - EP); **B61L 23/041** (2013.01 - EP)

Cited by

CN112265563A; CN114104028A; CN112265565A; IT201900007566A1; WO2020240372A1

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)

WO 2017077474 A1 20170511; CA 3003197 A1 20170511; CN 108349513 A 20180731; CN 108349513 B 20200703; EA 034828 B1 20200326; EA 201891100 A1 20181031; EP 3371030 A1 20180912; EP 3371030 B1 20191016; IT 201600110440 A1 20180503; IT UB20154755 A1 20170505; JP 2018537331 A 20181220; US 2018312179 A1 20181101; ZA 201803195 B 20190227

DOCDB simple family (application)

IB 2016056612 W 20161103; CA 3003197 A 20161103; CN 201680064818 A 20161103; EA 201891100 A 20161103; EP 16812854 A 20161103; IT 201600110440 A 20161103; IT UB20154755 A 20151105; JP 2018520179 A 20161103; US 201615770347 A 20161103; ZA 201803195 A 20180515