

Title (en)

Device supporting the driving and guiding wheels of a wagon transporting bulk material

Title (de)

Trägervorrichtung für die Antriebs- und Führungsräder eines Massengut transportierenden Waggons

Title (fr)

Support des roues motrices et de guidage pour un wagonnet transportant du matériel en vrac

Publication

EP 1690769 A3 20071114 (EN)

Application

EP 06075268 A 20060206

Priority

IT MI20050182 A 20050209

Abstract (en)

[origin: EP1690769A2] Device for actuating and guiding wagons (10;110) for transporting bulk material on rails (1), comprising support means (20;120) able to be fastened to the wagon (10;110) and provided with at least one hinging axis (21) suitable for coupling with a corresponding hinging arm (41) of a respective flange (40) carrying the driving wheels (51) of the wagon (10;110) and able to be oriented with respect to the rails (1).

IPC 8 full level

B61B 13/08 (2006.01); **B61C 11/00** (2006.01); **B61C 13/04** (2006.01)

CPC (source: EP)

B61B 3/02 (2013.01); **B61C 13/04** (2013.01)

Citation (search report)

- [X] IT 1234886 B 19920602 - F SOCIETA ATTREZZATURE FERRO S [IT]
- [X] US 5803278 A 19980908 - SHIWAKU TAMOTSU [JP]
- [X] DE 164681 C
- [XA] US 6718885 B1 20040413 - RISSER PHILIP E [US], et al
- [DA] EP 0824434 B1 19990811 - SKAKO AS [DK]
- [A] GB 1586408 A 19810318 - HERBERT B
- [A] FR 450083 A 19130314 - DREVDAL ET BINOCHE SOC [FR]

Cited by

IT201800005990A1; ITMI20111805A1; WO2019234579A1; US11884308B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1690769 A2 20060816; EP 1690769 A3 20071114; IT MI20050182 A1 20060810

DOCDB simple family (application)

EP 06075268 A 20060206; IT MI20050182 A 20050209