

Title (en)

GOODS ENVELOPING SYSTEM AND RAIL WAGGON THAT IS SUITABLE FOR THIS PURPOSE

Title (de)

GÜTERUMSCHLAGSYSTEM UND DAFÜR GEEIGNETER SCHIENENWAGGON

Title (fr)

SYSTÈME DE TRANSBORDEMENT DE MARCHANDISES ET WAGON FERROVIAIRE CONÇU À CET EFFET

Publication

EP 1993894 B1 20091111 (DE)

Application

EP 07712499 A 20070309

Priority

- EP 2007052245 W 20070309
- DE 102006012208 A 20060316

Abstract (en)

[origin: WO2007104721A1] The invention relates to a goods enveloping system with horizontal equal lateral loading on the rails by means of interchangeable supporting elements (51) which can be integrated in a waggon structure, having: a rail system (1) with two rail runs (1a, 1b), a loading path (6), for equal rail loading, parallel alongside the rail system (1), a lateral transport device for lateral transport of interchangeable supporting elements (51) from a waggon (2) to the loading path (6) or vice versa, at least one supporting rail element (8, 9) which extends laterally with respect to the rail system (1) and is preferably arranged below floor level in lateral grooves of the loading path (6); a supporting rail piece which is aligned with the supporting rail element (8, 9) between the rail runs (1a, 1b), at least one shuttle vehicle (11), which is preferably equipped with its own propulsion device and is guided on the supporting rail element (8, 9) and the supporting rail piece, for lateral transport of an interchangeable supporting element (51). The invention also relates to a waggon having: two rotating joints with a horizontal supporting framework which is supported by a frame, in which supporting frame a holding element is provided centrally, a waggon head piece (34) which is in each case connected to a rotating joint and whose bearing element engages in the holding element of the rotating joint, two collapsible side walls (39) which are connected to the waggon head pieces (34), can be locked to the latter and are designed and mounted such that they absorb the main force transmission between the waggon head pieces (34) and the forces originating from the cargo.

IPC 8 full level

B61D 3/04 (2006.01); **B61D 3/20** (2006.01); **B61D 47/00** (2006.01)

CPC (source: EP)

B61D 3/04 (2013.01); **B61D 3/20** (2013.01); **B61D 47/00** (2013.01)

Cited by

DE102009052382A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006012208 A1 20070920; **DE 102006012208 B4 20150219**; AT E448124 T1 20091115; DE 502007001970 D1 20091224; EP 1993894 A1 20081126; EP 1993894 B1 20091111; RU 2008140951 A 20100427; RU 2393967 C2 20100710; RU 2393967 C9 20110520; WO 2007104721 A1 20070920

DOCDB simple family (application)

DE 102006012208 A 20060316; AT 07712499 T 20070309; DE 502007001970 T 20070309; EP 07712499 A 20070309; EP 2007052245 W 20070309; RU 2008140951 A 20070309