

Title (en)

Cargosystem with rotating bridges for loading and unloading of bulk goods, especially road vehicles on railway trains

Title (de)

Cargosystem mit Rotationsbrücken zum Be- und Entladen von grossvolumigen Frachtgut, insbesondere Kraftfahrzeugen auf Eisenbahnzügen

Title (fr)

Système de fret avec ponts tournants pour chargement et déchargement de marchandises volumineuses, notamment véhicules routiers sur rames ferroviaires

Publication

EP 0768226 A3 19980729 (DE)

Application

EP 96115700 A 19961001

Priority

DE 19536921 A 19951004

Abstract (en)

[origin: EP0768226A2] The system to load and unload large freight vehicles (21,22) at a railway train has a swing bridge (1) between each pair of rail bogies (8). A swing mechanism gives a side pivoting movement to the ends of the bridge, and a locking system anchors the bridge longitudinally and laterally. The ends of the bridge are fitted with ramps and running rollers. A rotating support is at the centre of the bridge, at its under side, with a lifting mechanism which is retracted when the train is coupled together and in motion. For loading and unloading, the lifting mechanism is lowered, so that the rotating support and longitudinal rollers are on the ground, and the bridge can be made to swing by the swing mechanism. The under side of the pivot support has profiles to fit over the railway lines, with a rubber lining to prevent slipping. The rollers are rubber rollers

IPC 1-7

B61D 47/00

IPC 8 full level

B61D 47/00 (2006.01)

CPC (source: EP)

B61D 47/005 (2013.01)

Citation (search report)

- [A] EP 0528741 A1 19930224 - LOHR IND [FR]
- [A] EP 0463283 A1 19920102 - E CO S R L AB [IT]
- [A] GB 521197 A 19400515 - HARRY LESLIE WILLIAM TOTTENHAM
- [A] DE 9014816 U1 19910117
- [A] DE 9105638 U1 19910627

Cited by

CZ301177B6; EP0905001A1; FR2768682A1; EP3269612A1; US7650844B2; US10583847B2; WO2020239220A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IT LI NL PT SE

DOCDB simple family (publication)

EP 0768226 A2 19970416; EP 0768226 A3 19980729; DE 19546300 C1 19970430

DOCDB simple family (application)

EP 96115700 A 19961001; DE 19546300 A 19951212