

Title (en)

Device for loading of motor vehicles onto and from railway trains

Title (de)

Vorrichtung zum Verladen von Kraftfahrzeugen auf Eisenbahnzüge und von Eisenbahnzügen

Title (fr)

Dispositif pour le chargement de véhicules à moteur sur des trains ferroviaires et leur déchargement

Publication

EP 0583633 B1 19970521 (DE)

Application

EP 93111588 A 19930720

Priority

DE 4227612 A 19920820

Abstract (en)

[origin: EP0583633A1] The invention relates to the problem of loading motor vehicles onto railway trains and from railway trains. In a first device for loading motor vehicles, at least one transfer wagon and one conveying device are provided, motor vehicles being loaded from the conveying device onto moving railway trains and from moving railway trains onto the conveying device with the aid of this transfer wagon. When operated in the loading mode, pallets with vehicles roll on a conveying device to a transfer wagon. The transfer wagon receives at least one pallet from the conveying device by transverse displacement and accelerates to the speed of a travelling railway train. The transfer wagon docks with a wagon of the train and transfers the pallet by transverse displacement. When operated in the unloading mode, the transfer wagon docks with a wagon of the train and receives at least one pallet with a vehicle by transverse displacement. The transverse wagon reduces its speed from that of the train to the speed of the conveying device and transfers the pallets to the conveying device by transverse displacement. In a second device for loading motor vehicles from a conveying device to stationary railway trains and from stationary railways trains to a conveying device, pallets with vehicles roll on a conveying device in parallel with a stationary railway train. At at least one loading station, pallets are loaded by transverse displacement from the conveying device onto wagons of the train standing at the respective loading station or from such wagons onto the conveying device. The train is driven in each case after a loading process in such a way that further wagons of the train can be loaded or unloaded.

IPC 1-7

B61K 1/00; **B61D 47/00**; **B61D 3/18**; **E04H 6/18**

IPC 8 full level

B61D 3/18 (2006.01); **B61D 47/00** (2006.01); **B61K 1/00** (2006.01); **E04H 6/18** (2006.01)

CPC (source: EP)

B61D 3/18 (2013.01); **B61D 47/005** (2013.01); **B61K 1/00** (2013.01); **E04H 6/18** (2013.01)

Cited by

EP3372468A1; FR2815316A1; EP0742168A3; CN114616160A; WO2019123337A1; WO0232740A1

Designated contracting state (EPC)

AT CH DE FR GB LI

DOCDB simple family (publication)

EP 0583633 A1 19940223; **EP 0583633 B1 19970521**; AT E153290 T1 19970615; DE 59306498 D1 19970626

DOCDB simple family (application)

EP 93111588 A 19930720; AT 93111588 T 19930720; DE 59306498 T 19930720