

Title (en)  
MECHANISM FOR LIFTING OF CAR-CARRYING WAGON BOARDING PLATES

Title (de)  
MECHANISMUS ZUM HEBEN VON WAGENTRAGENDEN WAGENEINSTIEGSPLATTEN

Title (fr)  
MÉCANISME PERMETTANT DE SOULEVER DES PLAQUES D'EMBARQUEMENT SUR DES WAGONS DE TRANSPORT DE VÉHICULES

Publication  
**EP 3441277 A1 20190213 (EN)**

Application  
**EP 17475506 A 20170807**

Priority  
EP 17475506 A 20170807

Abstract (en)  
The mechanism for lifting of the boarding plate (4) of the wagon for transportation of cars contains at least two direct mechanisms (1), which are connected to the input shaft (5), the direct mechanisms (1) are connected to the travelling pulleys through the stripes (2), the stripes (2) with the travelling pulleys are rotary connected with the sets of levers (3), the sets of levers (3) are attached to the boarding plate (4). During rotation of the input shaft (5), the direct mechanisms (1) push away the stripes (2) with the travelling pulleys, and thus they initiate change of position of the sets of levers (3), and thus the boarding plate (4), connected to the set of levers (3), is lifted. By rotation of the input shaft (5), the stripes (2) with the travelling pulleys are pushed away or pulled in, and thus an inclination of the set of the levers (3) is changed, and thus height of the boarding plate (4) is adjusted.

IPC 8 full level  
**B61D 3/18** (2006.01); **B61D 47/00** (2006.01)

CPC (source: EP)  
**B61D 3/187** (2013.01); **B61D 47/005** (2013.01)

Citation (applicant)  

- GB 995136 A 19650616 - RICHARD TALBOT
- FR 2473974 A1 19810724 - SNCF [FR]
- EP 0518750 A1 19921216 - PERROT PIERRE [FR]
- DE 2447576 A1 19760408 - LOEWE OPTA GMBH
- US 2003110975 A1 20030619 - LI WEI [US]

Citation (search report)  

- [Y] GB 716260 A 19540929 - SNCF
- [Y] FR 715379 A 19311202
- [A] FR 40282 E 19320608

Cited by  
EP3715209A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3441277 A1 20190213; EP 3441277 B1 20210609; PL 3441277 T3 20211227**

DOCDB simple family (application)  
**EP 17475506 A 20170807; PL 17475506 T 20170807**