

Title (en)

Railway wagon with a platform displaceable vertically to its plane

Title (de)

Güterzugwagen mit senkrecht zu ihrer Ebene verschiebbarer Ladefläche

Title (fr)

Wagon ferroviaire à plate-forme mobile en translation perpendiculairement à son plan

Publication

EP 1060968 A1 20001220 (FR)

Application

EP 00401535 A 20000531

Priority

FR 9907499 A 19990614

Abstract (en)

The platform (4), movable between two walls (5) extends in the wagon longitudinal direction. It is joined by links (7) to the lifting motor (60) in order to be raised or lowered. The links include two rods (70) each fixed to a motor and chains (71) each fixed to a rod and to the other end of the platform. The fixing points of the chains and the rod and to the platform are regularly spaced. Each chain is supported by a return pulley carried by the side wall along which the rod extends so that when the rods are displaced longitudinally the platform is displaced perpendicularly to its plane.

IPC 1-7

B61D 3/04; **B61D 3/18**

IPC 8 full level

B61D 3/04 (2006.01); **B61D 3/18** (2006.01)

CPC (source: EP)

B61D 3/04 (2013.01); **B61D 3/184** (2013.01)

Citation (search report)

- [A] DE 19751979 C1 19990408 - IT CONSULTING AG [CH]
- [A] DE 4239744 A1 19940601 - NIESKY WAGGONBAU GMBH [DE]
- [A] DE 1270067 B 19680612 - GRAAFF J NIEDERSAECHS WAGGON, et al
- [A] EP 0788958 A2 19970813 - WABASH NATIONAL CORP [US]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1060968 A1 20001220; **EP 1060968 B1 20040324**; AT E262436 T1 20040415; DE 60009207 D1 20040429; DE 60009207 T2 20050217; DK 1060968 T3 20040726; ES 2215580 T3 20041016; FR 2794706 A1 20001215; FR 2794706 B1 20010921; PT 1060968 E 20040730

DOCDB simple family (application)

EP 00401535 A 20000531; AT 00401535 T 20000531; DE 60009207 T 20000531; DK 00401535 T 20000531; ES 00401535 T 20000531; FR 9907499 A 19990614; PT 00401535 T 20000531