

Title (en)
Trolley for a lifting device

Title (de)
Fahrwerk einer Hebevorrichtung

Title (fr)
Train de roulement pour un appareil de levage

Publication
EP 0845435 B1 20030326 (DE)

Application
EP 97250318 A 19971027

Priority
DE 19651007 A 19961129

Abstract (en)
[origin: EP0845435A1] The mechanism comprises at least two running wheels (2) supported on different inner side surfaces of rail hollow profile shaped and downwardly open in the longitudinal direction. The running wheels are rotatably located on a carrier (10) which is connected with a connecting component, on which hangs the load to be lifted and on which at least one support roller is rotatably arranged, which supports on the rail with a component vertical to the support force of a running wheel. The running wheel carrier and the connecting component (3) are supported in one another by a link. The at least one support roller (4) supports in the interior of the rail (7). At least one running roller (6) located in the connecting component supports on at least one outer running surface (15) of the rail with a force which has a component against the force direction of a running wheel.

IPC 1-7
B66C 11/10; **B66C 11/06**

IPC 8 full level
B61B 13/06 (2006.01); **B66C 9/08** (2006.01); **B66C 11/06** (2006.01); **B66C 11/10** (2006.01)

CPC (source: EP KR US)
B66C 7/04 (2013.01 - EP US); **B66C 9/08** (2013.01 - KR); **B66C 11/06** (2013.01 - EP US); **B66C 11/10** (2013.01 - EP US);
B66D 2700/023 (2013.01 - KR)

Cited by
CN114873488A; CN114014165A; CN107650920A; WO2007039338A1; US7784627B2; US7503263B2

Designated contracting state (EPC)
CH DE ES FR IT LI SE

DOCDB simple family (publication)
EP 0845435 A1 19980603; **EP 0845435 B1 20030326**; CA 2222826 A1 19980529; DE 19748949 A1 19980723; DE 19748949 C2 19990602; DE 59709614 D1 20030430; ES 2190507 T3 20030801; JP 4031856 B2 20080109; JP H10167660 A 19980623; KR 19980042896 A 19980817; US 6058849 A 20000509

DOCDB simple family (application)
EP 97250318 A 19971027; CA 2222826 A 19971128; DE 19748949 A 19971027; DE 59709614 T 19971027; ES 97250318 T 19971027; JP 34372997 A 19971128; KR 19970063893 A 19971128; US 96335297 A 19971103