

Title (en)
LIFTING DEVICE FOR A PLATFORM FOR STORAGE OF MOTOR VEHICLES

Publication
EP 0366663 B1 19910911 (DE)

Application
EP 88904213 A 19880506

Priority
DE 3718738 A 19870604

Abstract (en)
[origin: WO8809764A1] Lifting device for a platform for storage of motor vehicles, in which the platform is carried by carrier chains which are raised and lowered over driven chain-wheels and are guided by deflection rollers on the platform. In order to simplify the design and to achieve, with only two carrying chains, a lifting action similar to that of a pulley block, each carrying chain (15), suspended on each side of the platform (10) and of which one end (16) is fixed around a corner of the platform, passes around a first deflection pulley (13) mounted so as to turn freely on one side of the platform, then a second deflection pulley (14) at a distance from the first, forming a loop in which the platform (10) with the two deflection pulleys (13, 14) is supported, then rises and passes around a fixed drive wheel (17), finally engaging a pinion (23), connected to the second deflection pulley (14) so as to turn with the latter and meshing with a stationary rack parallel to the lifting trajectory or with a stationary guide chain (25) which presses on the side of the pinion (23) opposite to the carrying chain.

IPC 1-7
B66F 7/02

IPC 8 full level
E04H 6/06 (2006.01); **B66F 7/02** (2006.01); **B66F 7/20** (2006.01)

CPC (source: EP US)
B66F 7/02 (2013.01 - EP US)

Cited by
CN105927007A

Designated contracting state (EPC)
AT BE CH FR GB IT LI NL

DOCDB simple family (publication)
DE 3718738 A1 19881222; DE 3718738 C2 19890622; EP 0366663 A1 19900509; EP 0366663 B1 19910911; JP H02500905 A 19900329; JP H075260 B2 19950125; US 5018925 A 19910528; WO 8809764 A1 19881215

DOCDB simple family (application)
DE 3718738 A 19870604; EP 8800390 W 19880506; EP 88904213 A 19880506; JP 50400888 A 19880506; US 44415789 A 19891128