

Title (en)

DEVICE FOR HANDLING A STRUCTURE THAT IS BEING LIFTED OR LOWERED

Title (de)

VORRICHTUNG ZUR HANDHABUNG EINER ANGEHOBENEN ODER ABGESENKTEN STRUKTUR

Title (fr)

DISPOSITIF POUR MANOEUVRER UNE STRUCTURE EN ELEVATION OU EN ABAISSEMENT

Publication

EP 1848655 A1 20071031 (FR)

Application

EP 06709452 A 20060127

Priority

- FR 2006050068 W 20060127
- FR 0500899 A 20050128

Abstract (en)

[origin: FR2881413A1] The device has a motorization whose output shaft corresponds to an input shaft of a primary reducing gear system (4) whose output shaft corresponds to an input shaft of a secondary planetary differential reducing system (6). Planet carrier of the system (6) drives a pinion on one side of a rack. An outer tooth of an outer ring gear of the system (6) drives a toothed wheel (17) that then drives another pinion on another side of the rack. An independent claim is also included for an installation for handling a structure in lifting or lowering with respect to a support, including handling devices.

IPC 8 full level

B66F 3/02 (2006.01); **E02B 17/08** (2006.01)

CPC (source: EP KR US)

B66F 3/02 (2013.01 - EP KR US); **E02B 17/08** (2013.01 - KR); **E02B 17/0818** (2013.01 - EP US); **B66F 2700/03** (2013.01 - EP US)

Citation (search report)

See references of WO 2006079759A1

Cited by

DE102016005992A1; WO2017198464A1; DE102016005992B4; CN108474191A; DE102015001707A1

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DOCDB simple family (publication)

FR 2881413 A1 20060804; FR 2881413 B1 20080229; AT E415373 T1 20081215; CN 100556794 C 20091104; CN 101111448 A 20080123; CY 1108755 T1 20140409; DE 602006003868 D1 20090108; DK 1848655 T3 20090309; EP 1848655 A1 20071031; EP 1848655 B1 20081126; ES 2317503 T3 20090416; JP 2008528836 A 20080731; JP 4741608 B2 20110803; KR 101294263 B1 20130807; KR 20070100956 A 20071015; NO 20074375 L 20070828; NO 332134 B1 20120702; PL 1848655 T3 20090529; PT 1848655 E 20090209; SI 1848655 T1 20090430; US 2008116427 A1 20080522; US 7581714 B2 20090901; WO 2006079759 A1 20060803

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