

Title (en)
Lifting device

Title (de)
Hubvorrichtung

Title (fr)
Dispositif de levage

Publication
EP 1710202 A3 20071114 (DE)

Application
EP 06111474 A 20060321

Priority
DE 102005016430 A 20050408

Abstract (en)
[origin: EP1710202A2] The lifting device has a lift drive with a drive component (12), which includes a torque motor. A drive shaft (19) of the lift drive is supported by an axial bearing (21) and by a separate radial bearing (22) on one hand, and by an angular ball bearing (23) on another hand. The bearings of the drive shafts are pre-stressed using a shaft nut (43), which is operated on the angular ball bearing.

IPC 8 full level
B66F 3/10 (2006.01)

CPC (source: EP)
B66F 3/10 (2013.01)

Citation (search report)
• [X] DE 19608171 A1 19970911 - RIEDE HERBERT [DE]
• [X] US 5586619 A 19961224 - YOUNG ROLAND O [US]
• [X] DE 3505842 A1 19850822 - MAGNETIC ELEKTROMOTOREN AG [CH]
• [X] DE 2233740 A1 19740124 - RICHTER HANS
• [DA] RÖHMHELD GMBH: "Teleskop-Hubeinheiten", June 2002, RÖHMHELD GMBH, 35317 LAUBACH, XP002425796

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CN104756627A; CN106241640A; CN108190784A; CN108675190A; US2022348449A1; US11787679B2; US11945704B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1710202 A2 20061011; EP 1710202 A3 20071114; DE 102005016430 A1 20061012

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EP 06111474 A 20060321; DE 102005016430 A 20050408