

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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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)  
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**EP 06111474 A 20060321; DE 102005016430 A 20050408**