

Title (en)
LIFTING DEVICE

Title (de)
HUBVORRICHTUNG

Title (fr)
DISPOSITIF DE LEVAGE

Publication
EP 1295042 A1 20030326 (DE)

Application
EP 01951615 A 20010620

Priority
• DE 10030545 A 20000621
• EP 0106985 W 20010620

Abstract (en)
[origin: WO0198671A1] The invention relates to a lifting device comprising a cylinder (102) with a cavity (104). A piston element (106) is arranged in the cavity (104) of the cylinder (102) and comprises a piston section (110) and a rod section (112). The piston section (110) subdivides the cavity of the cylinder into a piston-head space (114) and into a piston ring-space (116). A valve unit (118) is assigned to the piston element (106) and is closed until a predetermined pressure in the piston-head space (114) is reached in order to separate the piston-head space (114) from the piston-ring space (116). Otherwise, the valve unit (118) can be freely flown through. The valve unit (118) is arranged such that a pressure in the piston-ring space (116) does not act on the valve unit (118) in a direction along which the piston element (104) can be displaced.

IPC 1-7
F15B 15/14

IPC 8 full level
F15B 15/14 (2006.01)

CPC (source: EP)
F15B 15/1447 (2013.01); **F15B 15/149** (2013.01)

Citation (search report)
See references of WO 0198671A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0198671 A1 20011227; AT E261068 T1 20040315; AU 7249601 A 20020102; DE 10030545 A1 20020110; DE 50101629 D1 20040408; DK 1295042 T3 20040712; EP 1295042 A1 20030326; EP 1295042 B1 20040303; EP 1295042 B8 20040915; ES 2215917 T3 20041016; PT 1295042 E 20040730; TR 200401212 T4 20040823

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EP 0106985 W 20010620; AT 01951615 T 20010620; AU 7249601 A 20010620; DE 10030545 A 20000621; DE 50101629 T 20010620; DK 01951615 T 20010620; EP 01951615 A 20010620; ES 01951615 T 20010620; PT 01951615 T 20010620; TR 200401212 T 20010620