

Title (en)

Device for emergency lowering of a load support on a fork lift

Title (de)

Vorrichtung zur Notabsenkung eines Lasttragsmittels bei einem Stapler

Title (fr)

Dispositif d'abaissement d'urgence du moyen de prise de charge d'un chariot de manutention

Publication

**EP 1632453 A3 20080116 (DE)**

Application

**EP 05016958 A 20050804**

Priority

DE 102004042881 A 20040904

Abstract (en)

[origin: EP1632453A2] The device for the emergency lowering of a load carrying means of a stacker has a bypass between a lift cylinder and hydraulic fluid tank, with a shut-off element in the bypass. The bypass is formed by a bypass branch (42) in a valve block (22), and a screw-form shut-off element (50) with a male threaded section is screwed into a threaded hole (48) in the valve block and in the fully screwed-in position blocks the bypass branch. A torque transmitting cable (52) is connected by one end to the shut-off element, and a hand grip for the rotation of the cable is attached to the other end of the cable.

IPC 8 full level

**B66F 9/22** (2006.01); **F15B 20/00** (2006.01); **F16K 31/46** (2006.01)

CPC (source: EP US)

**B66F 9/22** (2013.01 - EP US); **F15B 20/002** (2013.01 - EP US); **F15B 20/004** (2013.01 - EP US)

Citation (search report)

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- [Y] US 3598361 A 19710810 - CROWE RAYMOND W
- [A] EP 1046610 A2 20001025 - BT IND AB [SE]
- [A] US 2001006019 A1 20010705 - DEININGER HORST [DE], et al
- [A] DE 3120890 A1 19830105 - MAGENWIRTH GMBH CO GUSTAV [DE]

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 1632453 A2 20060308**; **EP 1632453 A3 20080116**; **EP 1632453 B1 20100721**; CN 100439231 C 20081203; CN 1746102 A 20060315; DE 102004042881 A1 20060309; DE 502005009936 D1 20100902; US 2006049688 A1 20060309; US 7562616 B2 20090721

DOCDB simple family (application)

**EP 05016958 A 20050804**; CN 200510099808 A 20050902; DE 102004042881 A 20040904; DE 502005009936 T 20050804; US 21133405 A 20050825