

Title (en)

Lifting device, as well as load measuring system

Title (de)

Hebevorrichtung, sowie eine Hublastmesseinrichtung

Title (fr)

Dispositif de levage ainsi qu'un procédé de mesure de charge

Publication

EP 1733994 A1 20061220 (EN)

Application

EP 06115576 A 20060616

Priority

NL 1029286 A 20050617

Abstract (en)

A lifting device (1) comprises a support (2), a platform (3) for taking a load and a lifting frame (5) that is connected between the support (2) and the platform (3). The lifting frame comprises a scissor mechanism (5) that is provided with scissor arms (7,7a) which are interconnected in a crosswise pivotable manner. The scissor mechanism can move between a collapsed position and an extended position for raising and lowering the platform (3) with respect to the support (2). A load measuring system (11) is provided for measuring the load on the platform (3). The load measuring system comprises at least two levers (14,15,15a) and a transmission mechanism (30). Each lever (14,15,15a) is connected to the upper end, facing the platform (3), of a respective upper scissor arm (7a) so that it can pivot about a lever pivot axis (17). The levers (14,15,15a) are coupled together by the transmission mechanism (30) for transmitting said torques to one another.

IPC 8 full level

B66F 7/00 (2006.01); **B66F 7/06** (2006.01); **B66F 7/08** (2006.01)

CPC (source: EP)

B66F 7/0666 (2013.01)

Citation (search report)

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- [DA] EP 1396468 A1 20040310 - JLG IND INC [US]
- [A] NL 9300882 A 19941216 - HENK MARTIN VAN NEK
- [A] DE 9215439 U1 19930107
- [A] LU 33926 A

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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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