

Title (en)

COMPENSATING DEVICE FOR SPECIFIABLE TARGET POSITIONS OF A LOAD TO BE HANDLED

Title (de)

AUSGLEICHSVORRICHTUNG ZUM BEIBEHALTEN VON VORGEGBAREN SOLL-POSITIONEN EINER HANDHABBAREN LAST

Title (fr)

DISPOSITIF DE COMPENSATION POUR LA CONSERVATION DE POSITIONS PRÉDÉTERMINÉES SPÉCIFIABLES D'UNE CHARGE À MANIPULER

Publication

EP 3452400 A1 20190313 (DE)

Application

EP 17712922 A 20170320

Priority

- DE 102016005477 A 20160503
- EP 2017000350 W 20170320

Abstract (en)

[origin: WO2017190821A1] The invention relates to a compensating device (200) for maintaining specifiable target positions of a load (206) which can be handled using a cable hoist (202) and which is attached to a cable (216) of the cable hoist, the respective specifiable target position of the load changing unintentionally to an actual position deviating from the target position. The compensating device consists of at least one sensor device (240, 242) for detecting the respective actual position of the load (206); a rotational drive (226, 228, 230) for specifying a cable length of the cable hoist (202); and at least one controller (244) which changes the cable length after the respective actual position has been detected until the load (206) re-assumes its target position. The respective drive (226, 228, 230) can be controlled at least partly by at least one hydraulic motor (226, 228, 230) with opposite rotational directions, said motor being connected to an actuating device (246) which has at least two separate pressure chambers (250, 252) with pressure levels that differ during operation, thereby forming a drive section (248) for the respective hydraulic motor (226, 228, 230), and which can be actuated by the controller (244).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2017190821A1

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