

Title (en)

MOTORIZED DEVICE FOR ROTATING LOADS, WITH SELF-SUPPLY OF ENERGY, FOR CABLE-HOISTING GEARS

Publication

**EP 0409748 B1 19921209 (FR)**

Application

**EP 90420340 A 19900716**

Priority

FR 8910376 A 19890718

Abstract (en)

[origin: JPH0351295A] PURPOSE: To provide an operating device for a crane or the like capable of eliminating problems with electric feed and remote control of wires and ensuring safety of workers. CONSTITUTION: During moving of a pulley block body 11 ascending or descending, pulleys 13 which is subjected to the maximum speed drive a rotor for an AC generator 35 for inducing a three-phase alternating current to a stator of the AC generator 35 via a planetary step-up gear 34. An induced current is rectified via a diode rectifying bridge 48 and regulated by a combined regulator 49 for keeping voltage at 24 V to assure recharge of a battery 36. The battery 36 assures electric feed of a hanging rope 15 and a permanent magnet DC motor 29 of voltage 0-24 V for rotationally driving a hook 9 with/without loads via a control set 38 and the hook 9 assures electric feed of other accessories by a collector 39 of an electric mechanism.

IPC 1-7

**B66C 13/08**; **B66C 13/14**

IPC 8 full level

**B66C 1/34** (2006.01); **B66C 1/22** (2006.01); **B66C 11/08** (2006.01); **B66C 11/16** (2006.01); **B66C 13/08** (2006.01); **B66C 13/14** (2006.01); **B66C 13/44** (2006.01); **B66C 13/46** (2006.01); **B66D 3/04** (2006.01)

CPC (source: EP US)

**B66C 13/085** (2013.01 - EP US); **B66C 13/14** (2013.01 - EP US); **B66C 13/44** (2013.01 - EP US); **B66C 13/46** (2013.01 - EP US)

Cited by

CN103434932A; FR2719033A1; NL2014838A; CN110243564A; WO2016099372A1; DE102021124757A1; WO2023046453A1

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