

Title (en)
Electro-hydraulic leak compensation

Title (de)
Elektrohydraulische Leck-Kompensation

Title (fr)
Compensation de fuite électro-hydraulique

Publication
EP 2123593 B1 20120523 (DE)

Application
EP 09158346 A 20090421

Priority
DE 102008024512 A 20080521

Abstract (en)
[origin: EP2123593A1] The device has a hydraulic motor (5), a countersunk brake valve (4) and a mechanical brake (9) coupled to a mechanical gear (6) and a lift winch (7). A pressure sensor (13) measures hydraulic pressure caused on a load side of the motor in an open hydraulic circuit and/or a side of a lifting line (3) directly before closing the brake. A control unit stores the measured pressure. The unit allows a pump of a mobile crane to pass hydraulic oil into an oil volume (12) between the motor and the valve such that pressure loss caused in the volume is compensated during a closing period of the brake. An independent claim is also included for a method for electro-hydraulic leak compensation with a mobile crane-countersunk brake system in an open hydraulic circuit.

IPC 8 full level
B66D 5/26 (2006.01); **B66D 1/44** (2006.01)

CPC (source: EP KR US)
B66C 13/23 (2013.01 - KR); **B66D 1/44** (2013.01 - EP US); **B66D 5/26** (2013.01 - EP US); **F15B 11/003** (2013.01 - EP US); **F15B 11/02** (2013.01 - KR); **F15B 2211/50545** (2013.01 - EP US); **Y10T 137/0379** (2015.04 - EP US)

Cited by
CN105939957A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2123593 A1 20091125; EP 2123593 B1 20120523; CA 2666297 A1 20091121; CA 2666297 C 20120221; CN 101585498 A 20091125; CN 101585498 B 20130703; DE 102008024512 A1 20100128; DE 102008024512 B4 20100812; ES 2388367 T3 20121011; JP 2009280402 A 20091203; KR 101184151 B1 20120918; KR 20090121233 A 20091125; US 2009294746 A1 20091203; US 8167154 B2 20120501

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