

Title (en)

DEVICE FOR PROVIDING A PRESSURE FOR A HYDRAULIC CONSUMER AND METHOD FOR PROVIDING A PRESSURE

Title (de)

VORRICHTUNG ZUM BEREITSTELLEN EINES DRUCKS FÜR EINEN HYDRAULISCHEN VERBRAUCHER UND VERFAHREN ZUM BEREITSTELLEN EINES DRUCKS

Title (fr)

DISPOSITIF DE FOURNITURE D'UNE PRESSION À UN CONSOMMATEUR HYDRAULIQUE ET PROCÉDÉ DE FOURNITURE D'UNE PRESSION

Publication

**EP 2315950 A1 20110504 (DE)**

Application

**EP 09777880 A 20090814**

Priority

- EP 2009005901 W 20090814
- DE 102008038520 A 20080820

Abstract (en)

[origin: WO2010020376A1] The invention relates to a device for providing a pressure for a hydraulic consumer (2), wherein the device (1) has a tank (4) for providing hydraulic fluid. A hydropump (3) is fed from the tank (4), and is equipped for providing a pressure (p0) at the outlet (5) thereof. An electric motor (6) is provided for actuating the hydropump, and a pressure transmitter (9) serves for displaying the pressure (p0) put out by the hydropump (3). A frequency converter is provided for receiving the signal displayed by the pressure transmitter (9), wherein the frequency converter (8) is equipped for regulating the pressure (p0) provided by the hydropump (3) by means of actuating the rotational speed of the electric motor (6). The frequency converter (8) actuates the electric motor (6) without any sensors by means of a vector regulator.

IPC 8 full level

**F15B 1/02** (2006.01)

CPC (source: EP)

**F15B 11/00** (2013.01); **F15B 2211/20515** (2013.01); **F15B 2211/20538** (2013.01); **F15B 2211/212** (2013.01); **F15B 2211/30505** (2013.01); **F15B 2211/615** (2013.01); **F15B 2211/62** (2013.01); **F15B 2211/625** (2013.01); **F15B 2211/6309** (2013.01)

Citation (search report)

See references of WO 2010020376A1

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 SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102008038520 A1 20100225**; CN 102124232 A 20110713; EP 2315950 A1 20110504; JP 2012500370 A 20120105; WO 2010020376 A1 20100225

DOCDB simple family (application)

**DE 102008038520 A 20080820**; CN 200980132202 A 20090814; EP 09777880 A 20090814; EP 2009005901 W 20090814; JP 2011523338 A 20090814