

Title (en)

Device for transporting a fluid in a hydraulic circuit

Title (de)

Vorrichtung zur Förderung eines Fluids in einem Hydraulikkreislauf

Title (fr)

Dispositif destiné au transport d'un fluide dans un circuit hydraulique

Publication

EP 2253844 A1 20101124 (DE)

Application

EP 09006795 A 20090520

Priority

EP 09006795 A 20090520

Abstract (en)

The device has a hydraulic pump (3), and a drive motor (1) i.e. asynchronous alternating current motor, for driving the hydraulic pump, where the hydraulic pump and the drive motor are connected together by a friction clutch (2) such as multiple disk clutch and magnetic clutch i.e. hysteresis clutch. A housing (16) of the friction clutch is directly fastened with a housing (17) of the hydraulic pump. The friction clutch and the hydraulic pump are designed in such a manner that required torque for driving the pump is larger than maximum transferred torque of the friction clutch.

Abstract (de)

Die Erfindung betrifft eine Vorrichtung zur Förderung eines Fluids innerhalb eines Hydraulikkreislaufs, umfassend eine Hydraulikpumpe und einen Antriebsmotor zum Antrieb der Hydraulikpumpe, wobei die Hydraulikpumpe (3) und Antriebsmotor (1) über eine Rutschkupplung (2) miteinander verbunden sind.

IPC 8 full level

F04B 17/03 (2006.01); **F04B 9/02** (2006.01); **F04B 17/00** (2006.01); **F04B 49/02** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)

F04B 9/02 (2013.01); **F04B 17/00** (2013.01); **F04B 17/03** (2013.01); **F04B 49/02** (2013.01); **F04C 14/06** (2013.01); **F04C 15/0061** (2013.01); **F04C 15/0069** (2013.01); **F04C 15/0096** (2013.01)

Citation (applicant)

DE 2030455 A1 19711223 - PIERBURG KG A

Citation (search report)

- [X] DE 2030455 A1 19711223 - PIERBURG KG A
- [X] US 4111614 A 19780905 - MARTIN THOMAS B, et al
- [X] EP 1122866 A2 20010808 - BOSCH GMBH ROBERT [DE]
- [XA] WO 0029741 A1 20000525 - VOLVO LASTVAGNAR AB [SE], et al
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CN109503297A

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2253844 A1 20101124; CN 102549263 A 20120704; WO 2010133339 A1 20101125

DOCDB simple family (application)

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