

Title (en)

HYDRAULIC DRIVE FOR A PRESSURE TRANSDUCER

Title (de)

HYDRAULIKANTRIEB FÜR EINEN DRUCKÜBERSETZER

Title (fr)

ENTRAÎNEMENT HYDRAULIQUE POUR UN MULTIPLICATEUR DE PRESSION

Publication

**EP 3012453 B1 20220216 (DE)**

Application

**EP 15455007 A 20151002**

Priority

AT 507462014 A 20141020

Abstract (en)

[origin: CA2905976A1] Hydraulic drive for pressure booster of a high-pressure apparatus, having an electric servo drive effectively connected to electrical supply operable to be regulated and/or switched by measurement signals; a hydraulic pump, pumping a constant volume of working fluid per revolution, and driven by the electric servo drive, and measuring devices for a pressure and/or a pressure trend of the working fluid and/or a pressure and/or a pressure trend of the high-pressure fluid and/or for a position of a piston in the pressure booster. Servo drive is embodied bidirectionally, such that an application of working fluid to the pressure booster is reversible. Control of regulating and/or switching parameters of the electrical supply of the servo drive is based on signals from the measuring devices for the pressure and/or the pressure trend of the working fluid and/or the high-pressure fluid and/or for the position of the piston in the pressure booster.

IPC 8 full level

**F04B 17/03** (2006.01); **F04B 9/113** (2006.01); **F04B 23/02** (2006.01); **F04B 23/06** (2006.01); **F04B 49/02** (2006.01); **F04B 49/06** (2006.01); **F04B 49/20** (2006.01); **F04B 53/08** (2006.01); **F15B 15/14** (2006.01)

CPC (source: AT EP RU US)

**B26F 3/004** (2013.01 - EP); **F04B 9/113** (2013.01 - AT EP US); **F04B 17/03** (2013.01 - EP US); **F04B 23/02** (2013.01 - EP US); **F04B 23/06** (2013.01 - EP US); **F04B 49/022** (2013.01 - EP US); **F04B 49/06** (2013.01 - EP US); **F04B 49/20** (2013.01 - EP US); **F04B 53/08** (2013.01 - EP US); **F15B 15/149** (2013.01 - US); **B26F 2003/006** (2013.01 - EP); **F04B 2201/0201** (2013.01 - EP US); **F04B 2205/06** (2013.01 - EP US); **F15B 3/00** (2013.01 - RU)

Cited by

EP3147501A1; CN113966437A; EP3369527A1; WO2022187879A1; WO2020249407A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

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**EP 15455007 A 20151002**; AT 507462014 A 20141020; CA 2905976 A 20150930; KR 20150144076 A 20151015; PL 15455007 T 20151002; RU 2015144390 A 20151015; US 201414557867 A 20141202