

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

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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)

EP 3012453 A2 20160427; **EP 3012453 A3 20160615**; **EP 3012453 B1 20220216**; AT 515937 A4 20160115; AT 515937 B1 20160115; CA 2905976 A1 20160420; CA 2905976 C 20170912; KR 20160046303 A 20160428; PL 3012453 T3 20220711; RU 2015144390 A 20170421; RU 2618744 C2 20170511; US 2016108939 A1 20160421

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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