

Title (en)

Device for the production of different working pressures

Title (de)

Vorrichtung zur Erzeugung unterschiedlicher Arbeitsdrücke

Title (fr)

Dispositif de génération de différentes pressions de travail

Publication

EP 2677179 A3 20170322 (DE)

Application

EP 13003088 A 20130617

Priority

DE 102012011953 A 20120618

Abstract (en)

[origin: EP2677179A2] The device (1) has a motor-driven vacuum pump (3) for generating an operating pressure and another motor-driven pressure pump (4) is provided for generating another operating pressure. A hydraulic switching unit (5) is provided for switching from a high pressure or low pressure condition of combined operating pressures in a high pressure state. The switching device is designed as a circulating valve having valve units arranged together in a common valve block, where each valve unit has valve elements mounted in an associated valve seat.

IPC 8 full level

F15B 7/00 (2006.01); **F15B 11/02** (2006.01); **F15B 11/042** (2006.01); **F15B 11/17** (2006.01); **F15B 13/04** (2006.01); **F15B 13/042** (2006.01)

CPC (source: EP)

F15B 7/001 (2013.01); **F15B 7/006** (2013.01); **F15B 13/0405** (2013.01); **F15B 13/0407** (2013.01); **F15B 13/042** (2013.01); **F15B 2013/041** (2013.01); **F15B 2211/20561** (2013.01); **F15B 2211/20592** (2013.01); **F15B 2211/27** (2013.01); **F15B 2211/50536** (2013.01); **F15B 2211/5158** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/775** (2013.01)

Citation (search report)

- [A] WO 2010038622 A1 20100408 - SHIMADZU CORP [JP], et al
- [A] WO 2010054155 A2 20100514 - PURDUE RESEARCH FOUNDATION [US], et al
- [A] US 5329767 A 19940719 - HEWETT ALLAN J [CA]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2677179 A2 20131225; **EP 2677179 A3 20170322**; **EP 2677179 B1 20180502**; DE 102012011953 A1 20131219;
DE 102012011953 B4 20170413

DOCDB simple family (application)

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