

Title (en)

DEVICE FOR BRANCHING OFF A FLUIDIC PARTIAL FLOW

Title (de)

VORRICHTUNG ZU ABZWEIGEN EINES FLUIDISCHEN TEILSTROMS

Title (fr)

DISPOSITIF DE DÉRIVATION D'UN FLUX PARTIEL DE FLUIDE

Publication

EP 2326843 A2 20110601 (DE)

Application

EP 09778697 A 20090924

Priority

- EP 2009006900 W 20090924
- DE 102008049217 A 20080927

Abstract (en)

[origin: WO2010034491A2] The invention relates to a device for branching a fluidic partial flow off a main flow by means of a hydraulic pump (10), said device comprising individual main chambers (12,14,16,18,20) which are sealed from each other and divided into functional groups, and operate according to the displacement principle. Said chambers enable fluid from at least one main flow inlet (22) to be transported from an inlet or suction side to an outlet or pressure side of the hydraulic pump (10) and then via at least one main flow outlet. At least one independent partial chamber (26) is provided for the transport of the partial flow, in addition to the main chambers (12,14,16,18,20), said partial chamber forming part of the pressure side of the hydraulic pump (10) and being connected to an independent partial current outlet (42) separate from the respective main flow inlet (22) and the respective main flow outlet (24).

IPC 8 full level

F04C 2/344 (2006.01); **F04C 15/06** (2006.01)

CPC (source: EP KR US)

F04C 2/344 (2013.01 - KR US); **F04C 2/3442** (2013.01 - EP US); **F04C 15/06** (2013.01 - EP KR US); **F04C 18/3442** (2013.01 - US); **F04C 29/00** (2013.01 - KR)

Citation (search report)

See references of WO 2010034491A2

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)

WO 2010034491 A2 20100401; **WO 2010034491 A3 20101202**; CN 102165195 A 20110824; CN 102165195 B 20150930; DE 102008049217 A1 20100408; EP 2326843 A2 20110601; EP 2326843 B1 20210113; JP 2012503736 A 20120209; JP 5497767 B2 20140521; KR 101615511 B1 20160512; KR 20110056559 A 20110530; US 2011165008 A1 20110707; US 9243633 B2 20160126

DOCDB simple family (application)

EP 2009006900 W 20090924; CN 200980137546 A 20090924; DE 102008049217 A 20080927; EP 09778697 A 20090924; JP 2011528243 A 20090924; KR 20117009473 A 20090924; US 99809709 A 20090924