

Title (en)

HIGH PRESSURE PUMP WITH FILLER IN A GALLERY CONNECTED TO THE PUMP OUTLET

Title (de)

HOCHDRUCKPUMPE MIT EINEM FÜLLSTOFF IN EINER MIT DEM PUMPENAUSSLASS VERBUNDEN GALERIE

Title (fr)

POMPE À HAUTE PRESSION

Publication

**EP 2923086 A2 20150930 (EN)**

Application

**EP 13798612 A 20131120**

Priority

- GB 201220852 A 20121120
- EP 2013074293 W 20131120

Abstract (en)

[origin: GB2508030A] A high pressure pump comprising a pump body 10, a pump housing 22 within which at least part of the pump body is located, a gallery 30 defined between the pump body and the pump housing, the pump body having a pump outlet which communicates with the gallery, and the pump housing having an outlet port 32 which communicates with the gallery, and a filler 40 located within the gallery, the filler being located in the part of the gallery most remote from the pump outlet. Preferably the gallery is annular and filler extends around half to three quarters of the circumferential length of the gallery. The filler material may be an elastomeric material. The pump may also comprise a gerotor pump.

IPC 8 full level

**F04C 2/10** (2006.01); **F04C 11/00** (2006.01); **F04C 15/00** (2006.01); **F04C 15/06** (2006.01)

CPC (source: EP GB US)

**F04C 2/10** (2013.01 - EP GB US); **F04C 11/005** (2013.01 - EP US); **F04C 11/006** (2013.01 - GB US); **F04C 15/0007** (2013.01 - GB US); **F04C 15/0042** (2013.01 - GB); **F04C 15/0049** (2013.01 - EP US); **F04C 15/06** (2013.01 - EP GB US); **F04C 2210/206** (2013.01 - EP US)

Citation (search report)

See references of WO 2014079888A2

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)

**GB 201220852 D0 20130102**; **GB 2508030 A 20140521**; BR 112015011473 A2 20170711; CA 2891870 A1 20140530; CN 104903581 A 20150909; EP 2923086 A2 20150930; JP 2015535054 A 20151207; RU 2015124032 A 20170110; US 2016281713 A1 20160929; WO 2014079888 A2 20140530; WO 2014079888 A3 20140814

DOCDB simple family (application)

**GB 201220852 A 20121120**; BR 112015011473 A 20131120; CA 2891870 A 20131120; CN 201380060651 A 20131120; EP 13798612 A 20131120; EP 2013074293 W 20131120; JP 2015542314 A 20131120; RU 2015124032 A 20131120; US 201314442298 A 20131120