

Title (en)  
PULSATION FREE VOLUMETRIC PUMP

Title (de)  
PULSATIONSFREIE VOLUMETRISCHE PUMPE

Title (fr)  
POMPE ROTATIVE VOLUMÉTRIQUE SANS PULSATION

Publication  
**EP 2852760 B1 20160629 (FR)**

Application  
**EP 13726269 A 20130502**

Priority  
• IB 2012001003 W 20120523  
• IB 2012002451 W 20121123  
• IB 2013000819 W 20130502

Abstract (en)  
[origin: WO2013175277A1] The invention relates to a pump comprising two pistons placed in a rotor, situated in a stator forming two opposite parallel eccentric pumping chambers having at least one inlet port through which the fluid is drawn into at least one of the pumping chambers during the filling movement of at least one of the pistons and, subsequently, expelled from at least one of the pumping chambers, during the emptying movement of at least one of the pistons, to at least one outlet port, characterized by an inlet cavity in connection with the inlet port, an outlet cavity in connection with the outlet port and two port changeover transition zones situated between each side of the cavities.

IPC 8 full level  
**F04B 1/047** (2006.01); **F04B 1/107** (2006.01); **F04B 9/04** (2006.01)

CPC (source: EP KR US)  
**F04B 1/02** (2013.01 - US); **F04B 1/047** (2013.01 - EP KR US); **F04B 1/1071** (2013.01 - EP KR US); **F04B 1/1072** (2013.01 - EP KR US); **F04B 9/047** (2013.01 - EP KR US); **F04B 53/006** (2013.01 - US)

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)  
**WO 2013175277 A1 20131128**; AU 2013264969 A1 20141211; BR 112014028942 A2 20170627; CA 2874380 A1 20131128; CN 104641109 A 20150520; CN 104641109 B 20170308; EP 2852760 A1 20150401; EP 2852760 B1 20160629; IN 10632DEN2014 A 20150911; JP 2015517627 A 20150622; KR 20150018826 A 20150224; US 2015147210 A1 20150528; US 9970436 B2 20180515

DOCDB simple family (application)  
**IB 2013000819 W 20130502**; AU 2013264969 A 20130502; BR 112014028942 A 20130502; CA 2874380 A 20130502; CN 201380035024 A 20130502; EP 13726269 A 20130502; IN 10632DEN2014 A 20141212; JP 2015513286 A 20130502; KR 20147035694 A 20130502; US 201314403117 A 20130502