

Title (en)

ROTARY PISTON PUMP WITH OPTIMISED INLET AND OUTLET

Title (de)

DREHKOLBENPUMPE MIT OPTIMISIERTEN EIN- UND AUSLÄSSEN

Title (fr)

POMPE À PISTONS ROTATIFS DOTÉE D'UNE ENTRÉE ET D'UNE SORTIE OPTIMISÉES

Publication

**EP 2852762 B1 20181031 (DE)**

Application

**EP 13726670 A 20130409**

Priority

- DE 102012008527 A 20120502
- DE 2013100127 W 20130409

Abstract (en)

[origin: WO2013163987A1] The present invention relates to a rotary piston pump for conveying fluids and for conveying fluids containing solid materials. The rotary piston pump consists of a pump housing which is provided with an inlet and an outlet. The pump housing has a lining. At least two rotary pistons rotating in opposite directions, which form piston spaces during the rotation thereof, are arranged in the pump housing, or inside the lining. During the rotary movement, the pistons are sealed against one another, against the pump housing and against the lining. In the pump housing and/or in the lining, means with which the pulsation can be reduced or even completely eliminated are arranged spatially close to the inlet and/or the outlet.

IPC 8 full level

**F04C 2/18** (2006.01); **F04C 2/08** (2006.01); **F04C 2/12** (2006.01); **F04C 13/00** (2006.01); **F04C 15/00** (2006.01); **F04C 15/06** (2006.01)

CPC (source: CN EP RU US)

**F04C 2/086** (2013.01 - CN EP US); **F04C 2/126** (2013.01 - CN EP US); **F04C 2/18** (2013.01 - RU US); **F04C 13/00** (2013.01 - US); **F04C 15/0049** (2013.01 - CN EP US); **F04C 15/06** (2013.01 - CN EP US); **F04C 13/001** (2013.01 - CN EP US); **F04C 15/0049** (2013.01 - RU); **F04C 15/06** (2013.01 - RU)

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)

**DE 102012008527 B3 20130725**; AR 090913 A1 20141217; BR 112014026872 A2 20170627; BR 112014026872 B1 20211130; CN 104285063 A 20150114; CN 104285063 B 20170630; EP 2852762 A1 20150401; EP 2852762 B1 20181031; JP 2015516037 A 20150604; JP 6236064 B2 20171122; KR 101695076 B1 20170110; KR 20140142358 A 20141211; RU 2014148250 A 20160620; RU 2601042 C2 20161027; TW 201405011 A 20140201; TW I537469 B 20160611; US 2015050174 A1 20150219; US 9617992 B2 20170411; WO 2013163987 A1 20131107

DOCDB simple family (application)

**DE 102012008527 A 20120502**; AR P130101492 A 20130502; BR 112014026872 A 20130409; CN 201380023252 A 20130409; DE 2013100127 W 20130409; EP 13726670 A 20130409; JP 2015509309 A 20130409; KR 20147030726 A 20130409; RU 2014148250 A 20130409; TW 102115031 A 20130426; US 201414531501 A 20141103