

Title (en)

PUMP AND PUMP ARRANGEMENT

Title (de)

PUMPE UND PUMPENANORDNUNG PUMPENMODUL

Title (fr)

POMPE ET ENSEMBLE POMPE

Publication

EP 2207963 B1 20150729 (DE)

Application

EP 08842526 A 20081021

Priority

- EP 2008008895 W 20081021
- DE 102007050407 A 20071022

Abstract (en)

[origin: WO2009053027A2] The invention relates to a pump comprising an inlet opening, an outlet opening, a pump membrane that comprises an opening provided with a passive non-return valve, and an actuation device that is designed to displace the pump membrane between a first position and a second position. Said passive non-return valve is designed in such a manner that movement from the first position into the direction of the second position causes it to close and a movement from the second position into the direction of the first position causes it to open such that a pump cycle, in which the pump membrane is displaced from the first into the second position and back, causes a net flow from the inlet opening to the outlet opening.

IPC 8 full level

F04B 43/04 (2006.01); **F04B 43/02** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)

F04B 23/06 (2013.01 - US); **F04B 43/046** (2013.01 - EP US); **F04B 53/1047** (2013.01 - EP US)

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007050407 A1 20090423; EP 2207963 A2 20100721; EP 2207963 B1 20150729; US 2011280755 A1 20111117; US 9217426 B2 20151222; WO 2009053027 A2 20090430; WO 2009053027 A3 20091105

DOCDB simple family (application)

DE 102007050407 A 20071022; EP 08842526 A 20081021; EP 2008008895 W 20081021; US 73903108 A 20081021