

Title (en)

DIAPHRAGM PUMP WITH A MULTIPART PUMP CASING

Title (de)

MEMBRANPUMPE MIT EINEM MEHRTEILIGEN PUMPENGHÄUSE

Title (fr)

POMPE A MEMBRANE AVEC UN CARTER DE POMPE COMPOSÉ

Publication

**EP 2342460 B1 20130130 (DE)**

Application

**EP 09782802 A 20090909**

Priority

- EP 2009061672 W 20090909
- DE 102008043309 A 20081030

Abstract (en)

[origin: WO2010049199A1] The invention relates to a membrane pump with a multi-part pump housing, an intake valve, an output valve and at least one operating membrane, wherein the pump housing is a basic housing with intake channel and output channel, an intermediate housing and a cover housing, wherein the working membrane is clamped between intermediate housing and cover housing. The invention provides that the cover housing (5) is braced against the basic housing (4) and that the basic housing (4) presses the intermediate housing (6) against at least one valve plate (20) of intake valve (18) and/or output valve (19).

IPC 8 full level

**F04B 43/00** (2006.01); **F04B 43/073** (2006.01); **F04B 45/04** (2006.01)

CPC (source: EP US)

**F04B 43/0009** (2013.01 - EP); **F04B 43/0733** (2013.01 - EP US); **F04B 45/04** (2013.01 - EP US)

Cited by

CN111608772A

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

DOCDB simple family (publication)

**DE 102008043309 A1 20100506**; EP 2342460 A1 20110713; EP 2342460 B1 20130130; WO 2010049199 A1 20100506

DOCDB simple family (application)

**DE 102008043309 A 20081030**; EP 09782802 A 20090909; EP 2009061672 W 20090909