

Title (en)
MEMBRANE PUMP

Title (de)
MEMBRANPUMPE

Title (fr)
POMPE À MEMBRANE

Publication
EP 3001035 B1 20170308 (DE)

Application
EP 15002679 A 20150916

Priority
DE 102014013779 A 20140917

Abstract (en)
[origin: US2016076529A1] The invention relates to a diaphragm pump (109) having a pump housing (1) on which a disposable cell (2) is releasably fixable, which disposable cell has a first and a second cell wall (3, 4) which (3, 4) define an operating space (5) between them, and having an operating diaphragm (6) which (6) is drivingly connected to an oscillating stroke drive and which (6) is releasably coupleable with the flexible first cell wall (3) on its diaphragm flat side remote from the stroke drive. It is characteristic to the diaphragm pump (109) according to the invention that at least one outlet port (12) in the operating diaphragm (6) is provided with a return flow obstructer or a return flow preventer for evacuating the dead space (11) arranged between it and the first cell wall (3) (cf. FIG. 1).

IPC 8 full level
F04B 43/00 (2006.01); **F04B 43/02** (2006.01)

CPC (source: EP US)
F04B 43/0054 (2013.01 - EP US); **F04B 43/02** (2013.01 - EP US); **F04B 43/14** (2013.01 - EP 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)
EP 3001035 A2 20160330; EP 3001035 A3 20160518; EP 3001035 B1 20170308; DE 102014013779 A1 20160317; US 10260493 B2 20190416; US 2016076529 A1 20160317

DOCDB simple family (application)
EP 15002679 A 20150916; DE 102014013779 A 20140917; US 201514856976 A 20150917