Title (en)

MEMBRANE PUMP

Title (de)

MEMBRANPUMPE

Title (fr)

POMPE À MEMBRANE

Publication

EP 4116585 A1 20230111 (EN)

Application

EP 22182312 A 20220630

Priority

IT 202100018065 A 20210708

Abstract (en)

A membrane pump for suction and delivery of a fluid of interest comprising a head portion, a bottom portion, at least one side wall extending along a main axis A between the head and bottom portions, and at least one flexible membrane movable along a working direction substantially parallel to the main axis A to determine suction and delivery of the fluid of interest F. The pump further includes a fluid of interest delivery port configured to allow delivery of the fluid of interest, a fluid of interest suction port configured to receive fluid of interest on suction in a hydraulic circuit of the pump, and at least one intercepting element configured, during a pump operating condition, to selectively interdict and allow fluid communication between the suction port and said internal volume, and between the delivery port and the internal volume.

IPC 8 full level

F04B 9/127 (2006.01); **F04B 15/02** (2006.01); **F04B 43/02** (2006.01); **F04B 43/06** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)

F04B 9/127 (2013.01); **F04B 15/02** (2013.01); **F04B 43/02** (2013.01); **F04B 43/06** (2013.01); **F04B 53/16** (2013.01)

Citation (search report)

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- [IA] US 2673522 A 19540330 - DICKEY JOHN W
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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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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