

Title (en)

METALLIC SANDWICH DIAPHRAGM PUMP MECHANISM

Title (de)

MECHANISMUS EINER METALLSANDWICHMEMBRANPUMPE

Title (fr)

MÉCANISME DE POMPE À DIAPHRAGME SANDWICH MÉTALLIQUE

Publication

EP 3218604 A4 20180613 (EN)

Application

EP 15858967 A 20151113

Priority

- US 201462079990 P 20141114
- US 201462089088 P 20141208
- US 2015060672 W 20151113

Abstract (en)

[origin: WO2016077751A1] A diaphragm pump including a pump head having at least one body plate with a pumped fluid face and at least one body plate with a drive fluid face, a diaphragm assembly positioned between the pumped fluid face and the drive fluid face, and the pumped fluid face having a positive profile biasing the diaphragm assembly in a direction toward the drive fluid face.

IPC 8 full level

F04B 43/06 (2006.01); **F04B 43/00** (2006.01); **F04B 45/053** (2006.01)

CPC (source: EP US)

F04B 43/0054 (2013.01 - EP); **F04B 43/0081** (2013.01 - EP); **F04B 43/009** (2013.01 - EP); **F04B 43/06** (2013.01 - EP US); **F04B 45/053** (2013.01 - EP US)

Citation (search report)

- [XYI] US 3354831 A 19671128 - ACKER RICHARD C, et al
- [Y] EP 1418366 A1 20040512 - BOWEN JOHN [US]
- [A] US 4430048 A 19840207 - FRITSCH HORST [DE]
- [A] US 2012011998 A1 20120119 - JOHANSSON CLAES-GOERAN [SE], et al
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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

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WO 2016077751 A1 20160519; EP 3218604 A1 20170920; EP 3218604 A4 20180613; US 2016169218 A1 20160616

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