

Title (en)
A diaphragm-plate group for diaphragm pumps

Title (de)
Membranplattengruppe für Membranpumpen

Title (fr)
Groupe plaque-diaphragme pour pompes à membrane

Publication
EP 2921705 B1 20180905 (EN)

Application
EP 14179637 A 20140804

Priority
IT RE20140028 A 20140320

Abstract (en)
[origin: EP2921705A1] A diaphragm-plate group for activating a diaphragm pump comprises: a circular membrane (3) made of an elastomer material for delimiting a pump chamber (2), and a circular plate (40) which is able to be moved in alternating motion for activating the membrane (3). The plate (40) is slightly convex with a convexity thereof facing towards the membrane (3), and the plate (40) exhibits, on a whole surface thereof facing towards the membrane (3) and destined to come into contact therewith, a series of lowered parts (42) for avoiding sticking of the membrane to the plate surface.

IPC 8 full level
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CPC (source: EP US)
F04B 43/0009 (2013.01 - EP US); **F04B 43/0054** (2013.01 - EP US); **F04B 43/02** (2013.01 - EP US); **F04B 45/04** (2013.01 - EP US); **F04B 53/16** (2013.01 - US); **F05C 2225/04** (2013.01 - EP US)

Cited by
EP3557059A1; IT201800004722A1

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