

Title (en)
DIAPHRAGM PUMP

Title (de)
MEMBRANPUMPE

Title (fr)
POMPE À DIAPHRAGME

Publication
EP 2893192 A1 20150715 (EN)

Application
EP 13747638 A 20130715

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- DK 2013050240 W 20130715

Abstract (en)
[origin: WO2014023312A1] A hydraulically driven diaphragm pump (1) comprises: a housing having a side (8) arranged to be connected with a membrane unit, a pumping element having a piston barrel (14) and a piston (17); and a fluid reservoir (10) wherein the pumping element is arranged to pump a working fluid from the fluid reservoir (10) during the delivery stroke. The diaphragm pump further comprises means (18,26) for applying a vacuum to the fluid reservoir (10) in order to improve the delivery accuracy and avoid malfunctioning of the pump. The diaphragm pump may further comprise a regulation chamber having adjusting means for adjusting the size of an active volume of the regulation chamber, thereby adjusting the pump delivery.

IPC 8 full level
F04B 43/067 (2006.01); **F04B 49/12** (2006.01)

CPC (source: EP US)
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See references of WO 2014023312A1

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