

Title (en)  
DOUBLE DIAPHRAGM PUMP

Title (de)  
DOPPELMEMBRANPUMPE

Title (fr)  
POMPE À MEMBRANE DOUBLE

Publication  
**EP 2553269 B1 20160907 (DE)**

Application  
**EP 11713179 A 20110318**

Priority  
• DE 102010013108 A 20100326  
• EP 2011001360 W 20110318

Abstract (en)  
[origin: WO2011116911A2] The invention relates to a diaphragm pump, in which a fluid moves at least one first piston (1) of a first piston/cylinder system (1, 2, 3) to and fro, wherein the first piston (1) is mechanically connected to at least one further hydraulic piston (9), and the hydraulic piston (9) drives at least one diaphragm (M1, M2) by means of a hydraulic medium.

IPC 8 full level  
**F04B 43/02** (2006.01); **F04B 43/073** (2006.01)

CPC (source: EP US)  
**F04B 43/026** (2013.01 - EP US); **F04B 43/073** (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)  
**DE 102010013108 A1 20110929**; CN 102947593 A 20130227; CN 102947593 B 20160803; EP 2553269 A2 20130206;  
EP 2553269 B1 20160907; US 2013101445 A1 20130425; WO 2011116911 A2 20110929; WO 2011116911 A3 20120412

DOCDB simple family (application)  
**DE 102010013108 A 20100326**; CN 201180026033 A 20110318; EP 11713179 A 20110318; EP 2011001360 W 20110318;  
US 201113637374 A 20110318