

Title (en)

VIBRATION-REDUCING METHOD FOR COMPRESSING DIAPHRAGM PUMP

Title (de)

SCHWINGUNGSDÄMPFUNGSVERFAHREN ZUM KOMPRIMIEREN EINER MEMBRANPUMPE

Title (fr)

PROCÉDÉ DE RÉDUCTION DES VIBRATIONS POUR UNE POMPE À MEMBRANE DE COMPRESSION

Publication

EP 3094864 A1 20161123 (EN)

Application

EP 14878507 A 20141224

Priority

- US 201461928162 P 20140116
- US 2014072320 W 20141224

Abstract (en)

[origin: US2015198154A1] A vibration-reducing method for reducing vibrations and vibration noise in a compressing diaphragm pump includes the step of disposing a vibration-reducing unit between the pump head body and a diaphragm membrane to reduce a length of the moment arm, and therefore of the torque, generated upon up and down movement of the diaphragm membrane during pumping.

IPC 8 full level

F04B 53/00 (2006.01)

CPC (source: EP US)

F04B 39/0044 (2013.01 - EP US); **F04B 43/026** (2013.01 - EP US); **F04B 53/003** (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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2015198154 A1 20150716; CA 2936759 A1 20150723; EP 3094864 A1 20161123; EP 3094864 A4 20171108; WO 2015108686 A1 20150723

DOCDB simple family (application)

US 201414580639 A 20141223; CA 2936759 A 20141224; EP 14878507 A 20141224; US 2014072320 W 20141224