

Title (en)

Diaphragm pump

Title (de)

Membranpumpe

Title (fr)

Pompe à membrane

Publication

**EP 1555434 B1 20061025 (DE)**

Application

**EP 04025738 A 20041029**

Priority

DE 102004002079 A 20040115

Abstract (en)

[origin: EP1555434A1] Membrane pump (1) comprises an annular working chamber (6) and an annular membrane (3) which is tensioned on its outer peripheral region (12) and on its inner edge region (13). The inner and outer membrane tensioning sites are fixed relative to each other and a drive element connected to a pump drive is arranged between the inner and outer membrane tensioning sites to deviate the membrane. The drive element has a diameter corresponding to the working chamber.

IPC 8 full level

**F04B 43/02** (2006.01); **F04B 43/00** (2006.01)

CPC (source: EP US)

**F04B 43/0054** (2013.01 - EP US); **F04B 43/02** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

**EP 1555434 A1 20050720**; **EP 1555434 B1 20061025**; DE 102004002079 A1 20050811; DE 502004001846 D1 20061207; JP 2005201278 A 20050728; JP 5371171 B2 20131218; US 2005158190 A1 20050721; US 7373872 B2 20080520

DOCDB simple family (application)

**EP 04025738 A 20041029**; DE 102004002079 A 20040115; DE 502004001846 T 20041029; JP 2005006629 A 20050113; US 3342505 A 20050111