

Title (en)
PERISTALTIC PUMP

Title (de)
SCHLAUCHPUMPE

Title (fr)
POMPE PÉRISTALTIQUE

Publication
EP 1825144 B1 20100519 (EN)

Application
EP 05794814 A 20051020

Priority
• IB 2005053443 W 20051020
• EP 04405736 A 20041126
• EP 05794814 A 20051020

Abstract (en)
[origin: EP1662142A1] Peristaltic pump comprising : a pump body (3) with a face containing at least a first groove (4) covered by a flexible membrane (2) fixed to said pump body (3), in such a way as to form a fluid tight channel, said membrane (2) furthermore comprising a sealing ridge (19) which is in permanent contact against said groove (4) so as to obtain a resting fluid tight sealing segment in the channel, a movable pressure element (7) adapted to temporarily press a portion of the membrane (2) above said groove (4) and form a moving sealing segment in the channel, driving means (8) adapted to move said movable pressure element (7) along said groove, characterized in that said driving means (8) are adapted to move said movable pressure element (7) exclusively along a plane which is parallel to said pump body face, said sealing ridge (19) and/or said groove (4) being adapted to let said movable pressure element (7) in said parallel plane when moving over said sealing ridge (19).

IPC 8 full level
F04B 43/14 (2006.01); **F04B 43/12** (2006.01)

CPC (source: EP US)
F04B 43/1269 (2013.01 - EP US); **F04B 43/14** (2013.01 - EP US); **F04B 2205/01** (2013.01 - EP US); **F04B 2205/05** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1662142 A1 20060531; AT E468488 T1 20100615; DE 602005021396 D1 20100701; EP 1825144 A2 20070829; EP 1825144 B1 20100519; JP 2008522076 A 20080626; JP 4880613 B2 20120222; US 2008131300 A1 20080605; WO 2006056895 A2 20060601; WO 2006056895 A3 20070816

DOCDB simple family (application)
EP 04405736 A 20041126; AT 05794814 T 20051020; DE 602005021396 T 20051020; EP 05794814 A 20051020; IB 2005053443 W 20051020; JP 2007542370 A 20051020; US 79148505 A 20051020