

Title (en)  
Peristaltic pump

Title (de)  
Peristaltische Pumpe

Title (fr)  
Pompe péristaltique

Publication  
**EP 1884663 A1 20080206 (EN)**

Application  
**EP 07112809 A 20070719**

Priority  
NL 2000167 A 20060728

Abstract (en)  
A pump (1) for circulating a medium comprises: an elastically deformable hose (4) which lies against a pressing surface (3), with a medium inlet (6) and a medium outlet (7); and pressing elements (9,10) which move along the hose and press the hose part in contact with a pressing element against the pressing surface while locally compressing and closing the hose part; whereby medium is drawn in via the medium inlet and discharged under pressure via the medium outlet. The pump has the special feature that a cavity (15) is defined in the pump housing (2), the pressing surface of which cavity forms a boundary and in which cavity the hose and the pressing means with the pressing elements are accommodated; and the cavity is hermetically sealed and filled with a filling medium.

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

CPC (source: EP US)  
**F04B 43/0081** (2013.01 - EP US); **F04B 43/1253** (2013.01 - EP US)

Citation (search report)  
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• [X] DE 4303319 A1 19940811 - PUTZMEISTER MASCHF [DE]  
• [A] WO 9116542 A1 19911031 - BREDEL EXPLOITATIE BV [NL]  
• [A] US 6171082 B1 20010109 - HANKNER DOULAS O [US], et al

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CN113586407A

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
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