

Title (en)  
Diaphragm pump

Title (de)  
Membranpumpe

Title (fr)  
Pompe à membrane

Publication  
**EP 0713009 A2 19960522 (EN)**

Application  
**EP 95308267 A 19951117**

Priority  
GB 9423174 A 19941117

Abstract (en)  
A diaphragm pump (10) comprising: a chamber (12) opening at opposite end portions to provide an inlet (14) and an outlet (16), and including an aperture (30) defined in a surface of the chamber between the inlet and outlet; a flexible diaphragm (40) having an inner region (42) and an outer region (44), the outer region (44) sealing against the surface of the chamber surrounding the aperture to close off the aperture, the chamber and the diaphragm (40) thereby defining a passageway (50) providing fluid communication between the inlet and outlet; a one-way inlet valve (25) coupled to the inlet (14) and a one-way outlet valve (27) coupled to the outlet (16); the inner region (42) of the diaphragm (40) being reciprocable within the chamber (12), whereby on reciprocation of the inner region fluid is drawn in via the inlet valve and expelled via the outlet valve, wherein the diaphragm (40) is angled such that the plane of the diaphragm faces the outlet (16). <IMAGE>

IPC 1-7  
**F04B 43/02**

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

CPC (source: EP US)  
**F04B 43/02** (2013.01 - EP US)

Citation (third parties)  
Third party :

- "ALFA LAVAL. SINGLE DISC PUMPS.", ALFA LAVAL SINGLE DISC PUMPS, XX, XX, 1 January 1989 (1989-01-01), XX, pages COMPLETE 07., XP000783754
- "BRITISCH STANDARD 8005", part 2 1987, BSI, article "Guide to Pumping Stations and Pumping Mains", pages: 3, XP000783755

Cited by  
CN106662096A; US11898548B2; WO2013184120A1; US9404484B2

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DOCDB simple family (publication)  
**EP 0713009 A2 19960522; EP 0713009 A3 19980211; EP 0713009 B1 20050720**; DE 69534315 D1 20050825; DE 69534315 T2 20060420; ES 2245452 T3 20060101; GB 9423174 D0 19950104

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