

Title (en)
Hydraulically actuated diaphragm pump.

Title (de)
Membranpumpe mit hydraulischem Antrieb.

Title (fr)
Pompe à membrane à actionnement hydraulique.

Publication
EP 0066522 A1 19821208 (FR)

Application
EP 82401008 A 19820602

Priority
FR 8110917 A 19810602

Abstract (en)
1. Diaphragm for hydraulically-controlled diaphragm pump of which two faces are in contact with two different fluids, said diaphragm forming a cup-shaped member (1) which is substantially spherical and comprises an annular outer edge (2) substantially plane, said diaphragm being characterised in that it is constituted in a manner known per se, by two layers, one (3) in rubber and the other (4) in plastic material such as tetrafluor-ethylene and in that each of the faces of said edge is provided with a bead (2a, 2b) by which the diaphragm is secured in the pump body.

Abstract (fr)
L'invention concerne une membrane pour pompe à membrane à commande hydraulique dont les deux faces sont au contact de deux fluides différents, qui est constituée par une coupelle (1) de forme sensiblement sphérique, en caoutchouc (3) recouverte sur l'une de ses faces d'une couche de matière plastique (4) et comportant un bord annulaire (2) extérieur sensiblement plan. Application aux pompes à membrane à commande hydraulique.

IPC 1-7
F04B 43/00

IPC 8 full level
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CPC (source: EP)
F04B 43/009 (2013.01)

Citation (search report)
• [Y] FR 581223 A 19241125
• [Y] FR 1547601 A 19681129
• [Y] FR 1373780 A 19641002
• [A] US 3771907 A 19731113 - NEUMANN C, et al
• [A] FR 1274473 A 19611027

Cited by
DE3714153A1; DE102006044253B3

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EP 0066522 A1 19821208; EP 0066522 B1 19841227; EP 0066522 B2 19900131; AT E10964 T1 19850115; DE 3261687 D1 19850207; FR 2506859 A1 19821203; FR 2506859 B1 19860411

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