

Title (en)

Aggressive liquids dosage membrane pump.

Title (de)

Dosierungsmembranpumpe für aggressive Flüssigkeiten.

Title (fr)

Pompe de dosage à membrane pour liquides agressifs.

Publication

EP 0408083 B1 19950607 (EN)

Application

EP 90113590 A 19900716

Priority

YU 142389 A 19890714

Abstract (en)

[origin: EP0408083A1] The invention refers to the construction of an aggressive liquids dosage membrane pump as entirety especially to the parts and structures: the distributor of aggressive liquid (1.00), distributor of air 3/2 (2.00) and membrane (3). The distributor of aggressive liquid (1.00) is made as a united entirety which produced a united compact constitution. Membrane (3), made up of tephlon, are rigidly connected by the connecting rod (5). The pump works in the following way: while one of the membranes sucks the aggressive liquids as a result of the under pressure which it produces in its chamber, the other membrane pushes the already sucked liquid with the power of air under the pressure which has an influence from its inside. When the membrane, which sucks in the liquid, touches the micro switch, the role of the membrane is being exchanged. All parts of the chamber are made of materials which are resistant to aggressive liquid. These are tephlon, Koterm and stainless steel.

IPC 1-7

F04B 43/10; **F04B 15/04**; **F04B 9/12**; **F01L 25/06**

IPC 8 full level

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CPC (source: EP)

F01L 25/063 (2013.01); **F04B 9/135** (2013.01); **F04B 15/04** (2013.01); **F04B 43/1136** (2013.01)

Cited by

GB2275972A; US6158982A; EP0898652A4; US6357723B2

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