

Title (en)

Diaphragm pump comprising a preferential deformation area on at least a part of its periphery, and container incorporating the same

Title (de)

Membranpumpe mit einer zumindest in einem Teilbereich der Peripherie befindlichen, bevorzugten Verformungszone, und damit ausgerüsteter Behälter

Title (fr)

Pompe à membrane comportant, sur au moins un secteur de sa périphérie, une zone de déformation préférentielle et récipient ainsi équipé

Publication

**EP 1050480 B1 20041215 (FR)**

Application

**EP 00401241 A 20000505**

Priority

FR 9905772 A 19990506

Abstract (en)

[origin: EP1050480A1] Pump comprises membrane having central part (51) in shape of sleeve open at its upper end and closed at its lower end. Centr conduit is inserted in sleeve. Membrane is arranged so as to isolate openings of pumping chamber when volume of chamber increase and product is induced into it. Lower part of central part of membrane has preferential deformation zone over sector (77) of its periphery. An Independent claim is also included for the dispenser.

IPC 1-7

**B65D 47/34**

IPC 8 full level

**A45D 34/04** (2006.01); **B05B 11/00** (2006.01); **B65D 47/34** (2006.01); **B65D 83/76** (2006.01); **F04B 9/14** (2006.01)

CPC (source: EP US)

**B05B 11/1001** (2023.01 - EP US); **B05B 11/1004** (2023.01 - EP US); **B05B 11/1064** (2023.01 - EP US); **B05B 11/1076** (2023.01 - EP US)

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**EP 1050480 A1 20001108**; **EP 1050480 B1 20041215**; AT E284824 T1 20050115; CA 2308858 A1 20001106; CA 2308858 C 20050712; DE 60016663 D1 20050120; DE 60016663 T2 20051208; ES 2233303 T3 20050616; FR 2793223 A1 20001110; FR 2793223 B1 20010727; JP 2001003856 A 20010109; JP 3398645 B2 20030421; US 6299029 B1 20011009; US RE40219 E 20080408

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