

Title (en)

Pump comprising a movable part with a central duct and with a membrane hooked on the central duct, and container with the same

Title (de)

Pumpe mit einem beweglichen Teil, der einen zentralen Kanal und eine auf dem zentralen Kanal befestigte Membrane enthält, und Behälter mit einer solchen Pumpe

Title (fr)

Pompe comportant un organe mobile pourvu d'un conduit central et une membrane comportant des moyens d'accrochage venant en appui sur ce conduit central, et récipient ainsi équipé

Publication

EP 1125638 B1 20041006 (FR)

Application

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Priority

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Abstract (en)

[origin: US2001015358A1] A pump of the type comprising a moving member mounted to move relative to a support, the moving member having a central duct in which the substance to be dispensed penetrates via at least one opening, the support co-operating with the moving member to define a variable-volume pump chamber around said central duct, the pump having a diaphragm held by retaining means on the support, the diaphragm having a central portion in which one end of said central duct is inserted, the diaphragm having a valve-forming portion arranged to isolate the pump chamber from said opening(s) of the central duct while the volume of the pump chamber is increasing and the substance is being sucked into the pump chamber, the diaphragm also bearing against the moving member in such a manner that movement of the moving member to dispense the substance causes the diaphragm to be stretched elastically. The pump has means suitable, during movement of the moving member for dispensing the substance, for minimizing the stretching of the valve-forming portion of said diaphragm.

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