

Title (en)
Dispensing assembly with a variable volume compression chamber and a membrane

Title (de)
Abgabevorrichtung mit einer volumenveränderlichen membranartigen Druckkammer

Title (fr)
Ensemble de distribution à chambre de compression à volume variable à membrane

Publication
EP 0649683 B1 19980708 (FR)

Application
EP 94402305 A 19941014

Priority
FR 9312642 A 19931022

Abstract (en)
[origin: EP0649683A1] The dispensing assembly includes a container (8) containing the product, a dispensing head (20) having a dispensing channel (21), a flexible membrane (30) having a dome-shaped part (32) which defines, in the dispensing head (20), a variable-volume compression chamber (50) in communication with the container (8); an inlet valve (133) is placed in this communication and only allows the product to pass from the container (1) to the compression chamber (50); the said flexible membrane (30) is held on the dispensing head (20) by a fixing element consisting of a ring (40) having an opening (42) from which the compression dome (32) of the flexible membrane (30) emerges. The ring (40) has an annular projection (41) surrounding the said opening (42), the dispensing head (20) being provided with an annular groove (25) receiving an annular groove (34) which the flexible membrane (30) possesses and which surrounds the compression dome (32) of the flexible membrane (30), the annular projection (41) of the ring (40) being forcibly inserted into the annular groove (34) of the flexible membrane (30). <IMAGE>

IPC 1-7
B05B 11/00; **B65D 47/34**

IPC 8 full level
A45D 34/00 (2006.01); **B05B 11/00** (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)
B05B 11/1032 (2023.01 - EP US); **B05B 11/1033** (2023.01 - EP US)

Cited by
FR2768946A1; GB2508268A; FR3019763A1; US10695782B2; WO2015155318A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0649683 A1 19950426; **EP 0649683 B1 19980708**; CA 2134056 A1 19950423; CA 2134056 C 19980714; DE 69411494 D1 19980813; DE 69411494 T2 19990415; ES 2118345 T3 19980916; FR 2711555 A1 19950505; FR 2711555 B1 19960126; JP 2607350 B2 19970507; JP H07187211 A 19950725; US 5505341 A 19960409

DOCDB simple family (application)
EP 94402305 A 19941014; CA 2134056 A 19941021; DE 69411494 T 19941014; ES 94402305 T 19941014; FR 9312642 A 19931022; JP 25721094 A 19941021; US 32383594 A 19941017