

Title (en)  
DISPENSER HAVING VARIABLE-VOLUME STORAGE CHAMBER AND DEPRESSIBLE ONE-WAY VALVE ASSEMBLY FOR DISPENSING CREAMS AND OTHER SUBSTANCES

Title (de)  
SPENDER MIT LAGERUNGSKAMMER MIT VARIABLEM VOLUMEN UND HERABDRÜCKBARE EINWEGEVENTILANORDNUNG ZUR ABGABE VON CREMEN UND ANDEREN STOFFEN

Title (fr)  
DISTRIBUTEUR COMPORTANT UNE ENCEINTE DE STOCKAGE A VOLUME VARIABLE ET ENSEMBLE DE VALVE ANTI-REFLUX ENFONÇABLE POUR LA DISTRIBUTION DE CREME ET D'AUTRES SUBSTANCES

Publication  
**EP 1748939 A2 20070207 (EN)**

Application  
**EP 05712468 A 20050127**

Priority

- US 2005003035 W 20050127
- US 53960304 P 20040127
- US 61361204 P 20040927
- US 4363505 A 20050126

Abstract (en)  
[origin: WO2005072427A2] A dispenser has a housing, and a variable-volume storage chamber formed within the housing and defining a substantially fluid-tight seal between the chamber and exterior of the housing for storing a substance to be dispensed. A piston is mounted within the housing, and a one-way valve is mounted within the housing and coupled in fluid communication with the variable-volume storage chamber. A compression chamber is coupled in fluid communication between the piston and one-way valve, and at least one of the piston and valve is manually depressible relative to the other between (i) a first position in which the piston is located at least partially outside of the compression chamber for permitting substance to flow from the variable-volume storage chamber into the compression chamber, and (ii) a second position in which the piston is located at least partially within the compression chamber for pressurizing substance within the compression chamber above a valve opening pressuring and, in turn, dispensing substance through the one-way valve and out of the dispenser.

IPC 8 full level  
**B05B 11/00** (2006.01); **B67D 7/58** (2010.01); **A45D 40/00** (2006.01); **B05B 1/00** (2006.01)

CPC (source: EP)  
**A45D 40/0075** (2013.01); **B05B 11/007** (2013.01); **B05B 11/027** (2023.01); **B05B 11/029** (2023.01); **B05B 11/1004** (2023.01); **B05B 11/1015** (2023.01); **B05B 11/1074** (2023.01); **B67D 7/58** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**WO 2005072427 A2 20050811; WO 2005072427 A3 20070208**; BR PI0506588 A 20070502; CA 2554421 A1 20050811; CA 2554421 C 20110705; EP 1748939 A2 20070207; EP 1748939 A4 20090923; EP 1748939 B1 20140813; JP 2007523015 A 20070816; JP 4398982 B2 20100113

DOCDB simple family (application)  
**US 2005003035 W 20050127**; BR PI0506588 A 20050127; CA 2554421 A 20050127; EP 05712468 A 20050127; JP 2006551551 A 20050127