

Title (en)

ASSEMBLY FOR DISPENSING AT LEAST ONE PRODUCT, ESPECIALLY COSMETICS, IN CREAM, FLUID OR POWDER FORM

Publication

**EP 0410857 B1 19930714 (FR)**

Application

**EP 90402097 A 19900720**

Priority

- EP 90400108 A 19900116
- FR 8910000 A 19890725

Abstract (en)

[origin: EP0410857A1] Dispensing assembly for products in cream, fluid or powder form, comprising, on a container (2) with a flexible pouch or with a follower piston, a push-button (8) forming a pump body sliding on a hollow piston (10) capable of being closed by a first valve (13), the outlet orifice for the product in the push-button (8) being equipped with a second valve (25) opening only in the dispensing direction of the product.  
<IMAGE>

IPC 1-7

**B65D 35/50**

IPC 8 full level

**A45D 40/26** (2006.01); **A45D 34/04** (2006.01); **B05B 11/00** (2006.01); **B65D 35/50** (2006.01); **B65D 47/00** (2006.01); **B65D 47/32** (2006.01); **B65D 47/34** (2006.01); **B65D 83/76** (2006.01); **F04B 9/14** (2006.01)

CPC (source: EP US)

**A45D 34/04** (2013.01 - EP US); **B05B 11/0032** (2013.01 - EP US); **B05B 11/0064** (2013.01 - EP US); **B05B 11/007** (2013.01 - EP US); **B05B 11/0072** (2013.01 - EP US); **B05B 11/0078** (2013.01 - EP US); **B05B 11/026** (2023.01 - EP US); **B05B 11/028** (2023.01 - EP US); **B05B 11/1001** (2023.01 - EP US); **B05B 11/1004** (2023.01 - EP US); **B05B 11/1057** (2023.01 - EP US); **B05B 11/1061** (2023.01 - EP US); **B05B 11/1067** (2023.01 - EP US); **B05B 11/1069** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B05B 11/0027** (2013.01 - EP US)

Cited by

FR2906232A1; EP3487353A4; FR2699390A1; AT406145B; US5492252A; EP0649684A3; EP0599301A1; FR2746076A1; CN111201089A; FR2697233A1; EP0598637A1; US5411176A; US5873491A; EP0769328A1; FR2740114A1; FR3063209A1; US5950880A; EP0580460A1; FR2693991A1; US5360145A; FR2888476A1; WO9117098A1; WO2008076702A3; WO9915425A1; USRE39520E; US6371333B2; US7971757B2; US9415903B2; WO2008037909A1; WO2013024069A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

**EP 0410857 A1 19910130**; **EP 0410857 B1 19930714**; AT E91469 T1 19930715; CA 2021860 A1 19910126; CA 2021860 C 19990706; DE 69002205 D1 19930819; DE 69002205 T2 19940310; ES 2042241 T3 19931201; FR 2650255 A1 19910201; FR 2650255 B1 19920110; JP H03148484 A 19910625; JP H0794271 B2 19951011; US 5100027 A 19920331; US 5154328 A 19921013

DOCDB simple family (application)

**EP 90402097 A 19900720**; AT 90402097 T 19900720; CA 2021860 A 19900924; DE 69002205 T 19900720; ES 90402097 T 19900720; FR 8910000 A 19890725; JP 19507690 A 19900725; US 55607290 A 19900723; US 55654690 A 19900724