

Title (en)
Multiple pump dispenser

Title (de)
Spender mit mehreren Pumpen

Title (fr)
Distributeur à pompes multiples

Publication
EP 1867397 B1 20100818 (FR)

Application
EP 06290971 A 20060614

Priority
EP 06290971 A 20060614

Abstract (en)
[origin: EP1867397A1] The dispenser has container (R) with two semicylindrical compartments (r1, r2) associated with pumps (P1, P2). Pump bodies (1) contain piston mechanisms (3) cooperating with an elastic return system (4). The bodies are solidly attached to each other in a form of a single shrunk-on ring (11) by a linking spacer (12). Applicators (2) are fixed under a cover (5) forming an actuator cooperating with the return system. Radial shoulders support a centering finger (24) of the return system that does not contact product e.g. liquid cosmetic product, components.

IPC 8 full level
B05B 11/00 (2006.01); **B67D 7/70** (2010.01)

CPC (source: EP US)
B05B 11/0078 (2013.01 - EP US); **B05B 11/1084** (2023.01 - EP US); **B05B 15/30** (2018.02 - EP US)

Cited by
CN109862969A; RU2715848C1; US10618069B2; WO2018014929A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1867397 A1 20071219; **EP 1867397 B1 20100818**; AT E477853 T1 20100915; BR PI0701952 A2 20100831; CN 101088884 A 20071219; CN 101088884 B 20130320; DE 602006016253 D1 20100930; ES 2351255 T3 20110202; US 2007289999 A1 20071220; US 8225962 B2 20120724

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EP 06290971 A 20060614; AT 06290971 T 20060614; BR PI0701952 A 20070612; CN 200710111011 A 20070613; DE 602006016253 T 20060614; ES 06290971 T 20060614; US 76328407 A 20070614