

Title (en)
Device for the packaging and the supplying of a product

Title (de)
Aufbereitungs- und Abgabevorrichtung eines Produkts

Title (fr)
Ensemble de conditionnement et de distribution d'un produit

Publication
EP 1757536 A1 20070228 (FR)

Application
EP 06117951 A 20060727

Priority
FR 0552565 A 20050825

Abstract (en)
The assembly has pressurized aerosol containers each having a valve with an actuating stem (11). A distribution device is displaced with respect to the container to actuate the valve and to discharge the product via a distribution opening. A blade (40) stops against a wall (34) transversal to a longitudinal axis (X) to prevent the device from displacing the stem along the axis. The blade allows the device to tilt the stem around an axis (Y) along a direction from rest position of the stem and prevents the device to tilt the stem around the axis (Y) in an opposite direction.

IPC 8 full level
B65D 83/14 (2006.01); **B65D 83/16** (2006.01)

CPC (source: EP)
B65D 81/3288 (2013.01); **B65D 83/205** (2013.01); **B65D 83/46** (2013.01); **B65D 83/16** (2013.01)

Citation (applicant)

- FR 2732245 A1 19961004 - OREAL [FR]
- JP 2004154459 A 20040603 - KAO CORP
- US 3618827 A 19711109 - MELOCCHI MARIO

Citation (search report)

- [A] US 3618827 A 19711109 - MELOCCHI MARIO
- [A] US 4426026 A 19840117 - KNICKERBOCKER MICHAEL G [US]
- [DA] EP 0734781 A1 19961002 - OREAL [FR]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)

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US11192709B2

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1757536 A1 20070228; EP 1757536 B1 20081224; AT E418504 T1 20090115; DE 602006004409 D1 20090205; ES 2318681 T3 20090501; FR 2890054 A1 20070302; FR 2890054 B1 20110211

DOCDB simple family (application)
EP 06117951 A 20060727; AT 06117951 T 20060727; DE 602006004409 T 20060727; ES 06117951 T 20060727; FR 0552565 A 20050825