

Title (en)

Applicator comprising at least two products stocked separately

Title (de)

Applikator mit wenigstens zwei getrennt gelagerten Produkten

Title (fr)

Applicateur comportant au moins deux produits stockés séparément

Publication

EP 1405579 B1 20051221 (FR)

Application

EP 03292398 A 20030929

Priority

FR 0212155 A 20021001

Abstract (en)

[origin: EP1405579A1] Applicator (20) comprising a tube, a plug of liquid or powder inside the tube and a first product (P1) contained in an internal space of the tube delimited on one side by the plug, where the plug is discharged from the tube together with P1 during use, includes a second product (P2) that is kept separate from P1 before use. An Independent claim is also included for a kit comprising at least one applicator as above in packaging.

IPC 1-7

A45D 34/00; **A61M 35/00**

IPC 8 full level

A45D 33/28 (2006.01); **A45D 34/04** (2006.01); **A45D 40/24** (2006.01); **A61F 13/38** (2006.01); **B05C 17/12** (2006.01); **B65D 81/32** (2006.01); **B65D 83/00** (2006.01); **A45D 44/00** (2006.01)

CPC (source: EP US)

A45D 34/04 (2013.01 - EP US); **A45D 40/24** (2013.01 - EP US); **A45D 44/005** (2013.01 - EP US); **A45D 2200/058** (2013.01 - EP US); **A45D 2200/1018** (2013.01 - EP US)

Cited by

EP1673237A4; FR2911775A1; WO2009144181A1; WO2008107610A3; US8840331B2; EP2088895B1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1405579 A1 20040407; **EP 1405579 B1 20051221**; DE 60302850 D1 20060126; DE 60302850 T2 20060817; ES 2254891 T3 20060616; FR 2845069 A1 20040402; FR 2845069 B1 20050527; JP 2005198669 A 20050728; JP 4629968 B2 20110209; US 2004165935 A1 20040826; US 7186046 B2 20070306

DOCDB simple family (application)

EP 03292398 A 20030929; DE 60302850 T 20030929; ES 03292398 T 20030929; FR 0212155 A 20021001; JP 2003377545 A 20031001; US 67442003 A 20031001