

Title (en)

Applicator device

Title (de)

Auftragvorrichtung

Title (fr)

Dispositif d'application

Publication

EP 1010379 B1 20030502 (DE)

Application

EP 99102311 A 19990205

Priority

DE 19858410 A 19981217

Abstract (en)

[origin: EP1010379A1] The applicator has a reservoir (10) for the liquid, paste-like, or gel product (12), connected via a feed channel (14) to an applicator element (16). It also has a unit (24) for reversible reduction of the channel volume by reducing the channel length. The applicator element has a cover (18) with passages for the product. The passages and a wall around the channel opening define a chamber (22) for a set product volume. The wall is at least partially flexible.

IPC 1-7

A45D 40/26

IPC 8 full level

A45D 40/26 (2006.01)

CPC (source: EP US)

A45D 40/262 (2013.01 - EP US)

Cited by

DE102006013787A1; EP1790330A3; DE102006013787B4; WO2005084626A1

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CH DE ES FR GB IT LI

DOCDB simple family (publication)

EP 1010379 A1 20000621; **EP 1010379 B1 20030502**; DE 19858410 A1 20000629; DE 59905308 D1 20030605; ES 2196659 T3 20031216; US 6309128 B1 20011030

DOCDB simple family (application)

EP 99102311 A 19990205; DE 19858410 A 19981217; DE 59905308 T 19990205; ES 99102311 T 19990205; US 40956399 A 19990930