

Title (en)

Device for applying a liquid or pasty product to a surface.

Title (de)

Vorrichtung zum Auftragen von flüssigen oder pastösen Produkten auf eine Fläche.

Title (fr)

Dispositif applicateur d'un produit liquide ou pâteux sur une surface.

Publication

EP 0430724 A1 19910605 (FR)

Application

EP 90402940 A 19901019

Priority

FR 8915781 A 19891130

Abstract (en)

[origin: JPH03196868A] PURPOSE: To easily execute perforation by disposing a perforating means which can be operated with pressing force between an applicator element and a cover and perforating the cover therethrough. CONSTITUTION: At the time of applying cream C on the skin, a user holds a receptacle 2 in his or her hand and presses the cap 8c of the applicator element 8 with his or her thumb. The applicator element 8 and a holding ring 7 are kept deformed under the pressing with the thumb until the cap 8c comes into contact with a ball 6 and transmits the pressing force of the thumb to the ball 6. The ball 6 penetrates the cover 4 under the force and falls into the receptacle 2. The care cream emerges from the receptacle 2 and the user releases the pressing force of to the applicator element. The ball is used as an agitating machine by shaking the applicator device to homogenize the cream C in the receptacle 2. The user presses the wall of the receptacle 2 to emit the cream C which is then applied through groove holes 9.

Abstract (fr)

Dispositif applicateur (1) comportant un récipient (2) fermé par un opercule déchirable (4) et un organe applicateur déformable (8) dans lequel entre l'organe applicateur et l'opercule (4) est disposé un corps arrondi (6) maintenu par un dispositif de maintien (7). Sous l'action d'une pression exercée sur l'organe applicateur (8) qui est transmise au corps arrondi (6), ledit corps arrondi (6) déchire l'opercule (4) et tombe dans le récipient (2). <IMAGE>

IPC 1-7

A45D 34/04; B65D 47/42

IPC 8 full level

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CPC (source: EP US)

A45D 34/04 (2013.01 - EP US); **A47L 23/05** (2013.01 - EP US); **B65D 47/42** (2013.01 - EP US); **A45D 2200/1018** (2013.01 - EP US)

Citation (search report)

- [YD] GB 2187945 A 19870923 - OREAL
- [Y] FR 1527767 A 19680607
- [A] US 2487236 A 19491108 - GREENBERG ALVIN A
- [A] DE 1805850 A1 19691002 - RICHARDSON MERRELL SPA
- [A] FR 2188565 A5 19740118 - SEMCO EMBALLAGE CONDITIO [MC]

Cited by

EP2253553A1; CN102272012A; US10478602B2; WO2019147814A1; WO2019114957A1; US9415903B2; WO2010133273A1; WO2013024069A1

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