

Title (en)  
Device for applying a cosmetic liquid

Title (de)  
Gerät zum Auftragen von kosmetischen Flüssigkeiten

Title (fr)  
Distributeur de liquid cosmétique

Publication  
**EP 1430806 A1 20040623 (EN)**

Application  
**EP 02028568 A 20021220**

Priority  
EP 02028568 A 20021220

Abstract (en)  
Disclosed is a cosmetic article having an improved dispensing structure, which compactly combines liquid cosmetic product with an applicator used for applying the liquid cosmetic product. The cosmetic article includes a housing (1) being in the form of a case opened at both ends and filled with liquid cosmetic product, an applicator disposed at a front end of the housing to apply the liquid cosmetic product, and a dispensing member disposed at a rear end of the housing to dispense the liquid cosmetic product to the applicator, wherein the dispensing member includes: a filling and dispensing part (20) having an inner case (21) being in the form of a case opened at both ends, containing the liquid cosmetic products therein and inserted into the housing (1) in a reciprocating manner, an end cap (22) connected to an opened rear end of the inner case, a fixed valve (25) disposed at an opened front end of the inner case, an actuating valve (24) disposed inside the fixed valve (25) in a reciprocating manner, a spring (26) elastically supporting the actuating valve (24) to be reciprocated inside the fixed valve (25), and an opening cap (23) for mounting the actuating valve (24) and the fixed valve (25) at the opened front end of the inner case (21); and a pressurizing part (10) having a rear end cap (12) disposed at the rear end of the housing (1), a button (11) disposed at a central portion of the rear end cap in a reciprocating manner, and a spring (13) interposed between the button and the end cap. <IMAGE>

IPC 1-7  
**A45D 34/04**; **A46B 11/00**; **B05C 17/03**; **B05C 17/035**; **B65D 47/42**

IPC 8 full level  
**A45D 34/04** (2006.01); **A46B 11/00** (2006.01); **B05C 17/00** (2006.01)

CPC (source: EP)  
**A45D 34/04** (2013.01); **A46B 11/0055** (2013.01); **B05C 17/002** (2013.01); **A45D 34/041** (2013.01); **A45D 34/042** (2013.01); **A45D 2200/056** (2013.01); **A46B 2200/1046** (2013.01)

Citation (search report)  
• [Y] DE 3942117 A1 19900712 - MITSUBISHI PENCIL CO [JP]  
• [Y] EP 0922405 A1 19990616 - VALOIS SA [FR]  
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Cited by  
CN102771992A; CN108634532A; CN102771991A; CN102771990A; FR2873551A1; EP1621102A3; CN108820428A; US7494295B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**EP 1430806 A1 20040623**

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