

Title (en)

Liquid applicator for writing, painting, drawing, for cosmetic use or similar

Title (de)

Flüssigkeitsauftraggerät zum Schreiben, Malen, Zeichnen, für kosmetische Zwecke oder dergleichen

Title (fr)

Applicateur de liquide pour écrire, peindre, dessiner, pour application cosmétique ou équivalent

Publication

EP 0744303 B1 19971112 (DE)

Application

EP 96107663 A 19960514

Priority

DE 19518814 A 19950523

Abstract (en)

[origin: DE19518814C1] Separate storage and reserve chambers in the stem of the instrument are both filled with the liquid. The application tip is connected to the former, which has a chamber with a valve shutting it off from the reserve chamber when it is connected to the tip. The connection between the chamber and tip is cut off when the chamber is connected to the reserve chamber. Two sleeves (9,10) telescoping together form the valve (4), and enclose the chamber (16). Each sleeve is closed by a bottom portion (14,15) at one end, and two sets of ports (17-20) working together are formed in the sleeve side and/or bottoms. By turning or sliding one sleeve in relation to the other, one set of ports are moved from the overlapping position into the shut one, after which the other set are moved from the shut position into the overlapping one allowing free flow.

IPC 1-7

B43K 5/10; **B43K 5/18**

IPC 8 full level

B43K 5/08 (2006.01); **A45D 34/04** (2006.01); **B43K 5/10** (2006.01); **B43K 5/18** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

DE 19518814 A 19950523; DE 59600045 T 19960514; EP 96107663 A 19960514; ES 96107663 T 19960514; JP 12733096 A 19960522; US 63873596 A 19960429