

Title (en)
HIGH-CAPACITY COSMETIC PEN

Title (de)
KOSMETIKSTIFT MIT HOHER KAPAZITÄT

Title (fr)
STYLO COSMÉTIQUE À CAPACITÉ ÉLEVÉE

Publication
EP 3466297 A4 20190612 (EN)

Application
EP 16903810 A 20161027

Priority
• CN 201620511966 U 20160531
• CN 2016103482 W 20161027

Abstract (en)
[origin: EP3466297A1] Disclosed is a high-capacity cosmetic pen, in which a front and a rear end of a pen body (1) are respectively sheathed with a front cover (2) and a rear cover, the pen body (1) is provided with a cosmetic liquid accommodation cavity (3), a front end of the cosmetic liquid accommodation cavity (3) is provided with a bristle assembly, the cosmetic liquid accommodation cavity (3) is also provided with a piston (7), the rear cover comprises a tail cover (8) and a tail cover sleeve (9), the tail cover (8) and the pen body (1) are axially clamped and can rotate oppositely along the circumferential direction, the tail cover sleeve (9) is sheathed outside the tail cover (8) and is radially and axially fixed with the tail cover (8); the tail cover (8) is also provided with a threaded rod (10) and at least one threaded sleeve rod (11), wherein one end of the threaded rod (10) tightly abuts against the piston (7), the other end is sheathed in the threaded sleeve rod (11) via thread engagement, and the threaded sleeve rod (11) is sheathed in the tail cover (8) via the thread engagement at the same time. There can be one or more threaded sleeve rods (11) of the high-capacity cosmetic pen according to requirements, compared with a pen with the same outer diameter and with the same outer diameter and height, and using the threaded sleeve rod (11) of two layers or three or more layers can compress the space occupied by the travel of the screw rod so as to increase the maximum travel of the piston and enlarge the capacity of the cosmetic pen.

IPC 8 full level
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CPC (source: EP KR US)
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A45D 2200/055 (2013.01 - US)

Citation (search report)
• [XYI] US 1860911 A 19320531 - TRIMBLE HOLLIE L
• [Y] EP 2959794 A1 20151230 - MITSUBISHI PENCIL CO [JP]
• [Y] WO 2016056852 A1 20160414 - YONWOO CO LTD [KR]
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• [A] US 1973158 A 19340911 - SMALL HENRY W, et al

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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KR 20190000085 U 20190108; US 2019098984 A1 20190404; WO 2017206428 A1 20171207

DOCDB simple family (application)
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KR 20187000096 U 20161027; US 201816205252 A 20181130