Title (en)

Cosmetic replacement unit for a base stick module for a cosmetic stick and set of such a cosmetic replacement unit and a number of base stick modules

Title (de)

Kosmetikprodukt-Austauscheinheit für ein Basis-Stiftmodul eines Kosmetikstifts sowie Set aus einer derartigen Kosmetikprodukt-Austauscheinheit und einer Mehrzahl von Basis-Stiftmodulen

Title (fr)

Unité d'échange de produit cosmétique pour un module de crayon de base d'un crayon cosmétique tout comme un tel ensemble d'une unité d'échange de produit cosmétique et un grand nombre de modules de crayons de base

Publication

EP 1869994 B1 20120418 (DE)

Application

EP 07011441 A 20070612

Priority

DE 202006009892 U 20060624

Abstract (en)

[origin: US2007297845A1] A cosmetic product replacement unit for a base stick module of a cosmetic stick has a replacement housing in which the cosmetic product is present in the form of a refill. A cap or sealing an extension opening for the refill is attached onto the replacement housing. The refill is in push connection with a piston guided in the replacement housing. A piston connecting component, connected to the piston, may be used with a complementary push rod connecting component of a piston push rod as part of a feed device of the base stick module to withdraw the refill. It is possible to bring the piston push rod into push connection with the piston and to position it on the side of the piston remote from the refill. In addition to the cosmetic product replacement unit, a set also has a plurality of base stick modules which have feed devices for the cosmetic product which differ from one another in their mechanical operating principles. There results a replacement unit which has reduced production costs, and this is also an advantage for the set.

IPC 8 full level

A45D 40/20 (2006.01)

CPC (source: EP KR US)

A45D 40/205 (2013.01 - EP KR US)

Cited by

CN105361403A; EP2022364A1; WO2021258124A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007297845 A1 20071227; **US 7581895 B2 20090901**; AT E553669 T1 20120515; AU 2007202903 A1 20080117; BR PI0702807 A2 20090714; CA 2592658 A1 20071224; CN 100593987 C 20100317; CN 101091603 A 20071226; DE 202006009892 U1 20071108; EP 1869994 A1 20071226; EP 1869994 B1 20120418; ES 2382467 T3 20120608; HK 1115785 A1 20081212; JP 2008000608 A 20080110; JP 5232409 B2 20130710; KR 20070122171 A 20071228; PL 1869994 T3 20120831

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US 76791107 A 20070625; AT 07011441 T 20070612; AU 2007202903 A 20070622; BR PI0702807 A 20070622; CA 2592658 A 20070621; CN 200710112603 A 20070622; DE 202006009892 U 20060624; EP 07011441 A 20070612; ES 07011441 T 20070612; HK 08106230 A 20080604; JP 2007162618 A 20070620; KR 20070061734 A 20070622; PL 07011441 T 20070612