

Title (en)

Dispensing module for cosmetic compounds

Title (de)

Abgabemodul für kosmetische Zusammensetzungen

Title (fr)

Module de distribution pour compositions cosmétiques

Publication

EP 2457846 A3 20120627 (DE)

Application

EP 12155703 A 20120216

Priority

EP 12155703 A 20120216

Abstract (en)

[origin: EP2457846A2] The module has two pistons (61, 64) displaceably lying at two walls of a chamber (20) and another chamber, respectively. A coupling unit has a cylindrical part (62) for coupling the pistons with each other during discharge of components of cosmetic composition. The pistons and the part form a piston unit, where the pistons are arranged concentric to each other. The pistons have a piston head (7) initially separated from the coupling unit and irreversibly connected with the coupling unit after filling the module with a product. The chambers are filled with the respective components. The components are film former, thickener, neutralizing agent, oil, humectant, active agent, emulsifier, wax, botanical extracts, silicone, silicone derivatives, anti-corrosive agent, antioxidants or oxidation agents.

IPC 8 full level

B65D 83/14 (2006.01); **B65D 83/64** (2006.01); **B65D 83/68** (2006.01)

CPC (source: EP)

B65D 83/64 (2013.01); **B65D 83/682** (2013.01)

Citation (search report)

- [E] WO 2012022686 A1 20120223 - BAYER MATERIALSCIENCE AG [DE], et al
- [A] WO 2008109130 A1 20080912 - VIRNELSON ROBERT CRAIG [US]
- [A] DE 29905762 U1 19990930 - MUELLER PAUL [CH]
- [A] DE 10132417 A1 20030116 - WELLA AG [DE]
- [A] CH 337744 A 19590415 - MAILLARD JULES [CH]

Cited by

DE102015214145A1; US10894886B2; DE102015214137A1; DE102015214144A1; DE102015214146A1

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)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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