

Title (en)
DEVICE FOR MANUFACTURING A COSMETIC PRODUCT BY MIXING SEVERAL SINGLE-USE CAPSULES

Title (de)
VORRICHTUNG ZUR HERSTELLUNG EINES KOSMETISCHEN PRODUKTS DURCH DIE MISCHUNG MEHRERER EINWEGKAPSELN

Title (fr)
SYSTÈME DE FABRICATION D'UN PRODUIT COSMÉTIQUE PAR MÉLANGE À PARTIR DE PLUSIEURS UNITÉS DE CONDITIONNEMENT À USAGE UNIQUE

Publication
EP 3204315 B1 20200429 (FR)

Application
EP 15788147 A 20151005

Priority
• FR 1459620 A 20141007
• FR 2015052669 W 20151005

Abstract (en)
[origin: WO2016055725A1] The invention relates to a system for making a cosmetic product comprising: at least one first single-use packaging unit (13) comprising a predetermined amount of a first phase of a cosmetic product, at least one second single-use packaging unit (14) comprising a predetermined amount of a second phase of a cosmetic product, a machine (15) comprising a mixer (2, 7, 16) inside of which said predetermined amount of the first phase and said predetermined amount of the second phase are automatically mixed together to produce a cosmetic product (10) directly usable by the end consumer. The invention is characterized in that said mixing is carried out such that neither the first phase nor the second phase comes into direct contact with any of the non-single-use parts (2, 7, 16) of said mixer, thus avoiding soiling said mixer.

IPC 8 full level
B65D 81/32 (2006.01); **B01F 23/70** (2022.01)

CPC (source: CN EP KR US)
A45D 34/00 (2013.01 - US); **A45D 40/0087** (2013.01 - US); **B01F 23/41** (2022.01 - US); **B01F 23/711** (2022.01 - CN EP KR US); **B01F 31/55** (2022.01 - CN EP KR US); **B01F 35/7139** (2022.01 - CN EP KR US); **B01F 35/7546** (2022.01 - CN EP KR US); **A45D 2200/058** (2013.01 - EP KR US); **B01F 23/4145** (2022.01 - US); **B01F 2101/21** (2022.01 - CN)

Citation (examination)
• EP 0256012 A1 19880224 - TAETIS PLASTTAETNINGAR AB [SE]
• EP 0792820 A2 19970903 - KAO CORP [JP]
• US 2013221028 A1 20130829 - ROBINSON SPENCER [GB], et al
• EP 2038189 A2 20090325 - LECAS DAVID [FR]

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

DOCDB simple family (publication)
FR 3026622 A1 20160408; FR 3026622 B1 20161230; CN 106999873 A 20170801; CN 106999873 B 20210209; EP 3204315 A1 20170816; EP 3204315 B1 20200429; ES 2807786 T3 20210224; JP 2017533011 A 20171109; JP 2020050449 A 20200402; JP 6666339 B2 20200313; JP 6987111 B2 20211222; KR 102232601 B1 20210329; KR 102265657 B1 20210618; KR 20170082506 A 20170714; KR 20190134818 A 20191204; TW 201620414 A 20160616; TW I621414 B 20180421; US 10967342 B2 20210406; US 2017304789 A1 20171026; WO 2016055725 A1 20160414

DOCDB simple family (application)
FR 1459620 A 20141007; CN 201580055283 A 20151005; EP 15788147 A 20151005; ES 15788147 T 20151005; FR 2015052669 W 20151005; JP 2017519569 A 20151005; JP 2019216457 A 20191129; KR 20177009147 A 20151005; KR 20197034750 A 20151005; TW 104132956 A 20151007; US 201515517024 A 20151005