

Title (en)

MANUFACTURING APPARATUS FOR MANUFACTURING A COMPOSITION FROM A MIXTURE OF FORMULATIONS

Title (de)

HERSTELLUNGSVORRICHTUNG ZUR HERSTELLUNG EINER ZUSAMMENSETZUNG AUS EINER MISCHUNG VON FORMULIERUNGEN

Title (fr)

APPAREIL DE FABRICATION POUR LA FABRICATION D'UNE COMPOSITION À PARTIR D'UN MÉLANGE DE FORMULATIONS

Publication

EP 3897937 B1 20230927 (FR)

Application

EP 19824336 A 20191220

Priority

- FR 1873816 A 20181221
- EP 2019086578 W 20191220

Abstract (en)

[origin: WO2020127907A1] The present invention relates to a manufacturing apparatus (2) comprising a mixing machine (6) comprising a receiving housing (32) comprising a first receiving location (13) configured to receive a first deformable capsule (3) and a second receiving location (14) configured to receive a second deformable capsule (4), the first and second capsules (3, 4) being intended for being fluidly connected to one another and containing a first formulation and a second formulation, respectively, the mixing machine (6) comprising at least one electrically powered actuator system (35) configured to transmit a pressure force to the first and second capsules (3, 4) in order to move the contents of the first capsule (3) into the second capsule (4), and vice versa, the mixing machine (6) comprising an electric heating element (46) configured to heat at least one of the first and second capsules (3, 4) when the first and second capsules (3, 4) are received in the mixing machine (6), wherein, in a preparation phase prior to contact between the two formulations, the actuator system (35) and the heating element (46) are alternatively supplied with electricity.

IPC 8 full level

B01F 23/70 (2022.01); **A45D 40/24** (2006.01); **B01F 31/00** (2022.01); **B01F 31/55** (2022.01); **B01F 33/501** (2022.01); **B01F 35/21** (2022.01);
B01F 35/32 (2022.01); **B01F 35/71** (2022.01); **B01F 35/75** (2022.01); **B01F 35/92** (2022.01)

CPC (source: CN EP KR US)

A45D 34/00 (2013.01 - US); **A45D 40/24** (2013.01 - EP KR); **B01F 23/711** (2022.01 - EP KR US); **B01F 31/55** (2022.01 - EP KR US);
B01F 31/70 (2022.01 - EP KR US); **B01F 33/501** (2022.01 - KR); **B01F 33/5011** (2022.01 - EP KR US); **B01F 33/5014** (2022.01 - KR);
B01F 33/80 (2022.01 - CN); **B01F 33/834** (2022.01 - CN); **B01F 35/2115** (2022.01 - CN EP KR); **B01F 35/32025** (2022.01 - CN EP KR US);
B01F 35/522 (2022.01 - CN KR); **B01F 35/7131** (2022.01 - EP KR US); **B01F 35/7164** (2022.01 - EP KR US);
B01F 35/7546 (2022.01 - EP KR US); **B01F 35/88** (2022.01 - KR); **B01F 35/90** (2022.01 - KR); **B01F 35/92** (2022.01 - EP);
B01F 35/93 (2022.01 - CN US); **A45D 2034/005** (2013.01 - US); **A45D 2200/054** (2013.01 - US); **A45D 2200/058** (2013.01 - EP KR US);
A45D 2200/15 (2013.01 - EP KR); **A45D 2200/155** (2013.01 - US); **B01F 2035/98** (2022.01 - CN KR US); **B01F 2035/99** (2022.01 - CN KR US);
B01F 2101/06 (2022.01 - KR); **B01F 2101/21** (2022.01 - CN KR US); **B01F 2101/22** (2022.01 - KR); **B01F 2101/4505** (2022.01 - KR)

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)

WO 2020127907 A1 20200625; CN 111346566 A 20200630; EP 3897937 A1 20211027; EP 3897937 B1 20230927;
ES 2965926 T3 20240417; FR 3090404 A1 20200626; FR 3090404 B1 20230331; JP 2022517727 A 20220310; KR 20210107670 A 20210901;
US 2022053910 A1 20220224

DOCDB simple family (application)

EP 2019086578 W 20191220; CN 201911324048 A 20191220; EP 19824336 A 20191220; ES 19824336 T 20191220; FR 1873816 A 20181221;
JP 2021535020 A 20191220; KR 20217018773 A 20191220; US 201917415094 A 20191220