

Title (en)
PRODUCTION METHOD AND DEVICE FOR PRODUCING A COMPOSITION FROM A MIXTURE OF FORMULATIONS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER ZUSAMMENSETZUNG AUS EINER MISCHUNG VON FORMULIERUNGEN

Title (fr)
PROCÉDÉ ET APPAREIL DE FABRICATION POUR LA FABRICATION D'UNE COMPOSITION A PARTIR D'UN MÉLANGE DE FORMULATIONS

Publication
EP 3897946 B1 20231018 (FR)

Application
EP 19848806 A 20191220

Priority
• FR 1873818 A 20181221
• FR 2019053240 W 20191220

Abstract (en)
[origin: WO2020128390A1] The present invention relates to a method for mixing using a production device (2) comprising a mixing machine (6) comprising a support (31) defining a receiving housing (32), the receiving housing (32) comprising a first receiving location configured to receive a first deformable capsule (3) and a second receiving location configured to receive a second deformable capsule (4), the first and second capsules (3, 4) being intended to be fluidically connected to one another and respectively containing a first formulation and a second formulation, the production device (2) comprising an actuating system (35) configured to transmit a pressure force to the first and second capsules (3, 4) so as to cause the content of the first capsule (3) to move into the second capsule (4), and vice versa, the mixing machine (6) comprising a heating element (46) configured to heat at least one of the first and second capsules when the first and second capsules (3, 4) are received inside the mixing machine (6), the method comprising the following steps: - Heating step (Em3) and/or mixing step (Em4, Em5) comprising, alternately or simultaneously, setting the actuating system (35) in motion and heating to a target temperature (Tc) using the heating element (46); then - Cooling step (Em6) with mixing using induced movement of the actuating system (35) until a retraction temperature (Tr) is reached, at which point the mixing is stopped.

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: EP KR US)
A45D 40/24 (2013.01 - EP KR US); **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 33/5011** (2022.01 - EP KR US); **B01F 33/5014** (2022.01 - KR US); **B01F 35/2115** (2022.01 - EP KR US); **B01F 35/32025** (2022.01 - EP KR US); **B01F 35/7131** (2022.01 - EP KR); **B01F 35/7164** (2022.01 - EP KR); **B01F 35/7546** (2022.01 - EP KR US); **B01F 35/92** (2022.01 - EP KR US); **A45D 2200/058** (2013.01 - EP KR US); **B01F 2101/06** (2022.01 - KR); **B01F 2101/21** (2022.01 - KR); **B01F 2101/22** (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 2020128390 A1 20200625; CN 113905810 A 20220107; EP 3897946 A1 20211027; EP 3897946 B1 20231018; ES 2969314 T3 20240517; FR 3090401 A1 20200626; FR 3090401 B1 20230428; JP 2022515384 A 20220218; JP 7431239 B2 20240214; KR 20210112308 A 20210914; US 2022054991 A1 20220224

DOCDB simple family (application)
FR 2019053240 W 20191220; CN 201980083569 A 20191220; EP 19848806 A 20191220; ES 19848806 T 20191220; FR 1873818 A 20181221; JP 2021535022 A 20191220; KR 20217018805 A 20191220; US 201917415134 A 20191220