

Title (en)

DEVICE AND METHOD FOR CREATING AN EMULSION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG EINER EMULSION

Title (fr)

DISPOSITIF ET PROCEDE POUR CREER UNE EMULSION

Publication

EP 3902625 B1 20240717 (FR)

Application

EP 20706096 A 20200127

Priority

- FR 1900690 A 20190125
- EP 2020051949 W 20200127

Abstract (en)

[origin: WO2020152371A1] The invention relates to a device for creating an emulsion consisting of a dispersed phase in the form of drops in a continuous phase, the device comprising: - a motion generator (11) for setting in motion at least one first fluid (3) intended for forming the dispersed phase, - a first channel (21) inside which the first fluid (3) set in motion can flow, the first channel (21) extending to an outlet opening (23) through which the first fluid is injected into at least one second fluid (5) intended for forming the continuous phase, - a variation system (40) for varying the internal volume (Vi) of the first channel (21) over time.

IPC 8 full level

B01F 23/41 (2022.01); **B01F 23/451** (2022.01); **B01F 25/314** (2022.01); **B01F 35/213** (2022.01); **B01F 35/22** (2022.01); **B01F 35/71** (2022.01)

CPC (source: EP US)

B01F 23/41 (2022.01 - EP); **B01F 23/4105** (2022.01 - US); **B01F 23/4145** (2022.01 - US); **B01F 23/451** (2022.01 - EP); **B01F 25/3141** (2022.01 - EP); **B01F 35/213** (2022.01 - EP); **B01F 35/2202** (2022.01 - EP); **B01F 35/71755** (2022.01 - EP); **B01F 35/7176** (2022.01 - EP); **B01F 2215/0477** (2013.01 - EP)

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 2020152371 A1 20200730; CN 113348032 A 20210903; CN 113348032 B 20230404; EP 3902625 A1 20211103; EP 3902625 B1 20240717; FR 3092011 A1 20200731; FR 3092011 B1 20211105; US 2022088551 A1 20220324

DOCDB simple family (application)

EP 2020051949 W 20200127; CN 202080010950 A 20200127; EP 20706096 A 20200127; FR 1900690 A 20190125; US 202017425668 A 20200127