

Title (en)

DEVICE FOR PRODUCING A DISPERSION, ASSOCIATED ASSEMBLY AND ASSOCIATED METHOD

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINER DISPERSION, ZUGEHÖRIGE ANORDNUNG UND ZUGEHÖRIGES VERFAHREN

Title (fr)

DISPOSITIF DE PRODUCTION D'UNE DISPERSION, ENSEMBLE ET PROCÉDÉ ASSOCIÉS

Publication

EP 3743201 A1 20201202 (FR)

Application

EP 19700971 A 20190124

Priority

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- EP 2019051756 W 20190124

Abstract (en)

[origin: WO2019145424A1] Device (10) for producing a dispersion (12), associated assembly and associated method. The invention relates to a device (10) for producing a dispersion (12) comprising elements (14) comprising a first phase (16), which are dispersed in a continuous phase (18) immiscible with the first phase (16). The device (10) comprises at least one production nozzle (20, 34) comprising – a first duct (30) intended to convey a first fluid (36) that forms the first phase (16), – a second duct (100, 32), coaxially surrounding part of the first duct (30), able to convey a second fluid (102, 40) that forms the continuous phase (18), and – an outlet (34). The nozzle (20, 34) is able to form, at the outlet (34), a fluid jet (22) comprising the first fluid (36) and the second fluid (102, 40) surrounding the first fluid (36). The production device (10) additionally comprises a fragmentation device (24) for mechanically breaking up the fluid jet (22), positioned in the vicinity of the outlet (34) of the nozzle (20, 34), the fragmentation device (24) comprising a mobile part (50) intended to break up the fluid jet (22) mechanically into a plurality of elements.

IPC 8 full level

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Citation (search report)

See references of WO 2019145424A1

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