

Title (en)

METHOD FOR PREPARING BIODEGRADABLE MICROCAPSULES AND MICROCAPSULES OBTAINED IN THIS MANNER

Title (de)

VERFAHREN ZUR HERSTELLUNG VON BIOLOGISCH ABBAUBAREN MIKROKAPSELN UND AUF DIESE WEISE ERHALTENE MIKROKAPSELN

Title (fr)

PROCEDE DE PREPARATION DE MICROCAPSULES BIODEGRADABLES ET MICROCAPSULES AINSI OBTENUES

Publication

EP 4247540 A1 20230927 (FR)

Application

EP 21810754 A 20211118

Priority

- FR 2011829 A 20201118
- IB 2021060689 W 20211118

Abstract (en)

[origin: WO2022107032A1] Method for manufacturing microcapsules comprising a wall made of polymer material containing an active substance, comprising the following steps: - preparing an oil phase comprising a poly(beta-aminoester) prepolymer, and an active substance constituting the phase to be encapsulated; - preparing an aqueous phase comprising at least one surfactant; - preparing an O/W (oil in water) emulsion by adding the oil phase to the aqueous phase; and - initiating radical polymerisation within the emulsion. A polymerisation initiator must be present in the aqueous and/or oil phase.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP)

A01N 25/28 + **A01N 65/00** + **A01N 65/28**

Citation (search report)

See references of WO 2022107032A1

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

FR 3116212 A1 20220520; **FR 3116212 B1 20221230**; AU 2021382412 A1 20230608; BR 112023009288 A2 20231024; EP 4247540 A1 20230927; US 2024016751 A1 20240118; WO 2022107032 A1 20220527

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