

Title (en)

MICROEMULSIONS AS PRECURSORS TO SOLID NANOPARTICLES

Title (de)

MIKROEMULSIONEN ALS VORLÄUFER VON FESTEN NANOPARTIKELN

Title (fr)

MICRO-EMULSIONS EN TANT QUE PRECURSEURS DE NANOPARTICULES SOLIDES

Publication

**EP 1379227 A4 20071212 (EN)**

Application

**EP 02719324 A 20020321**

Priority

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Abstract (en)

[origin: WO02076441A1] The preparation of novel microemulsions to be used as precursors for solid nanoparticles is described. The microemulsion precursors consist of either alcohol-in-fluorocarbon microemulsions, liquid hydrocarbon-in-fluorocarbon microemulsions, or liquid hydrocarbon-in-water microemulsions. The formed solid nanoparticles have diameters below 200 nanometers and can be made to entrap various materials including drugs, magnets, and sensors. The solid nanoparticles can be made to target different cells in the body by the inclusion of a cell-specific targeting ligand. Methods of preparing the novel microemulsion precursors and methods to cure solid nanoparticles are provided.

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**A61K 31/03**

IPC 8 full level

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Citation (search report)

- [X] WO 9721425 A1 19970619 - ALLIANCE PHARMA [US]
- [X] WO 9414415 A1 19940707 - HEMAGEN PFC [US]
- [AX] GUSTAFSSON ET AL: "Submicron particles of reversed lipid phases in water stabilized by a nonionic amphiphilic polymer", LANGMUIR, AMERICAN CHEMICAL SOCIETY, NEW YORK, NY, US, vol. 13, 1997, pages 6964 - 6971, XP002344326, ISSN: 0743-7463
- See references of WO 02076441A1

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