(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 February 2001 (15.02.2001)

PCT

(10) International Publication Number
WO 01/10413 A2

(51) International Patent Classification[7]: A61K 9/127

(21) International Application Number: PCT/EP00/07546

(22) International Filing Date: 3 August 2000 (03.08.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
199 36 665.9 4 August 1999 (04.08.1999) DE

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(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *Without international search report and to be republished upon receipt of that report.*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 01/10413 A2

(54) Title: PERIODIC STRUCTURES COMPRISING LIPIDS, POLYELECTROLYTES, AND STRUCTURE-INDUCING SOLUBLE OLIGOVALENT LINKERS, AND BIOLOGICAL USE THEREOF

(57) Abstract: This invention describes a method for preparing pharmaceutically usable compositions comprising periodic structures consisting of polyelectrolytes sandwiched between lipid aggregates having at least one charged component which is characterised in that a suspension of non-periodic, preferably mono- or bilayer like, lipid aggregates, a solution of polyelectrolyte molecules, and a solution of oligovalent linkers are separately made and then mixed to form said periodic structures, the simultaneous presence of said components catalysing the formation of controlling the rate of formation of said periodic structures comprising at least one layer of lipid component associated with a layer of polyelectrolyte molecules.