9805440-6
IPOS COPY +
REPLACEMENT
SHEETS

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 9/16, 47/48

A2

(11) International Publication Number: WO 97/39738

(43) International Publication Date: 30 October 1997 (30.10.97)

(21) International Application Number: PCT/IE97/00030

(22) International Filing Date: 22 April 1997 (22.04.97)

(30) Priority Data:
960308 23 April 1996 (23.04.96) IE

(71) Applicant *(for all designated States except US)*: KINERTON LIMITED [IE/IE]; Blanchardstown Industrial Park, Blanchardstown, Dublin 15 (IE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: IGNATIOUS, Francis [IN/US]; 2 Shadowbrook Lane #52, Milford, MA 01757 (US). LOUGHMAN, Thomas, Ciarán [IE/IE]; 63 Foxfield Avenue, Raheny, Dublin 5 (IE). SHALABY, Shalaby, W. [US/US]; 6309 Highway 187, Anderson, SC 29670 (US). TOURAUD, Franck, Jean-Claude [FR/FR]; Hameau de Normandie, 23, rue de la Vallée, F-27200 Vernon (FR).

(74) Agent: ANNE RYAN & CO.; 60 Northumberland Road, Ballsbridge, Dublin 4 (IE).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

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

(54) Title: SUSTAINED RELEASE IONIC CONJUGATE

(57) Abstract

A method of spherifying a sustained release ionic conjugate which contains a free carboxyl group-containing biodegradable polymer and a free amino group-containing drug which are ionically bonded to each other.