SG 9802365-8
RTMP'S COPY

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 9/06, 38/18

A2

(11) International Publication Number: WO 97/12601

(43) International Publication Date: 10 April 1997 (10.04.97)

(21) International Application Number: PCT/US96/15288

(22) International Filing Date: 24 September 1996 (24.09.96)

(30) Priority Data:
08/539,898 6 October 1995 (06.10.95) US

(71) Applicant: ETHICON, INC. [US/US]; U.S. Route #22, Somerville, NJ 08876 (US).

(72) Inventors: CINI, John; P.O. Box 660, Gilford, CT 06437 (US). FINKENUR, Amy; 322 Kelly Drive, Neshanic Station, NJ 08850 (US).

(74) Agents: CIAMPORCERO, Audley, A., Jr. et al.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, 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, UZ, VN, ARIPO patent (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: GEL FORMULATIONS CONTAINING GROWTH FACTORS

(57) Abstract

Gel formulations containing polypeptide growth factors having human mitogenic or angiogenic activity are provided. The gel formulations are useful for topical or incisional wound healing for cutaneous wounds, particularly in the anterior chamber of the eye. The gel formulations also comprise a water soluble, pharmaceutically or ophthalmically compatible polymeric material for providing viscosity within various ranges determined by the application of the gel. The gel formulations provide controlled release and increased contact time of the growth factor to the wound site.