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

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 November 2000 (02.11.2000)

PCT

(10) International Publication Number
WO 00/64474 A1

(51) International Patent Classification[7]: A61K 39/395, A61P 11/00, 37/00

(21) International Application Number: PCT/US00/10781

(22) International Filing Date: 21 April 2000 (21.04.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/130,847 22 April 1999 (22.04.1999) US
60/137,214 1 June 1999 (01.06.1999) US

(71) Applicant *(for all designated States except US)*: **BIOGEN, INC.** [US/US]; 14 Cambridge Center, Cambridge, MA 02142 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **GOTWALS, Philip** [US/US]; 692 LaGrange Street, West Roxbury, MA 02132 (US). **LOBB, Roy, R.** [GB/US]; 569 Canton Street, Westwood, MA 02090 (US).

(74) Agent: **KAPLAN, Warren, A.**; Biogen, Inc., 14 Cambridge Center, Cambridge, MA 02142 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, 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, 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, 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:
— *With international search report.*

(48) Date of publication of this corrected version:
5 April 2001

(15) Information about Correction:
see PCT Gazette No. 14/2001 of 5 April 2001, Section II

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 00/64474 A1

(54) Title: METHOD FOR THE TREATMENT OF FIBROSIS USING AN ANTAGONIST OF THE INTEGRIN ALPHA-4 SUBUNIT

(57) Abstract: Disclosed is a method of treating fibrosis in a human or animal subject. The method comprises administering to the subject an effective amount of an antagonist to VLA-4 integrin or fragment thereof.