**PCT** WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :
C12N 5/10, 1/19, 1/21, C07K 19/00, A61K 38/00 // C07K 14/705, 14/525

A2

(11) International Publication Number: WO 00/36092

(43) International Publication Date: 22 June 2000 (22.06.00)

(21) International Application Number: PCT/US99/29873

(22) International Filing Date: 16 December 1999 (16.12.99)

(30) Priority Data:
60/112,752 17 December 1998 (17.12.98) 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)*: BROWNING, Jeffrey [US/US]; 32 Milton Road, Brookline, MA 02146 (US). MIATKOWSKI, Konrad [PL/US]; 2 Bradley Street, North Reading, MA 01864 (US). MEIER, Werner [CH/US]; 31 Bedford Street, Burlington, MA 01803 (US).

(74) Agent: FLYNN, Kerry, A.; Biogen, Inc., 14 Cambridge Center, Cambridge, MA 02142 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, 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
*Without international search report and to be republished upon receipt of that report.*

(54) Title: A METHOD FOR THE HIGH LEVEL EXPRESSION OF ACTIVE LYMPHOTOXIN-$\beta$ RECEPTOR IMMUNOGLOBULIN CHIMERIC PROTEINS AND THEIR PURIFICATION

(57) Abstract

Methods for high level expression of active lymphotoxin-$\beta$ receptor immunoglogulin chimeric proteins and their purification.