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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 September 2010 (10.09.2010)

PCT

(10) International Publication Number
WO 2010/102251 A3

(51) International Patent Classification:
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/US2010/026424

(22) International Filing Date:
5 March 2010 (05.03.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/209,272 5 March 2009 (05.03.2009) US

(71) Applicant *(for all designated States except US)*: **ABBOTT LABORATORIES** [US/US]; 100 Abbott Park Road, Abbott Park, IL 60064 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HSIEH, Chung-Ming** [US/US]; 22 Olde Field Road, Newton, MA 02459 (US). **HUGUNIN, Margaret** [US/—]; 7 Indian Path, North Grafton, Massachusetts 01536 (US). **MURTAZA, Anwar** [US/—]; 30 Treetop Park, Westborough, Massachusetts 01581 (US). **McRAE, Bradford, L.** [US/—]; 84 Pleasant Street, Northborough, Massachusetts 01532 (US). **KUTSKOVA, Yuliya** [RU/—]; 183 Whitney Street, Northborough, Massachusetts 01532 (US). **MEMMOTT, John, E.** [US/—]; 10 Cody Road, Framingham, Massachusetts 01701 (US). **PEREZ, Jennifer, M.** [US/—]; 135 Longmeadow Avenue, Worcester, Massachusetts 01605 (US). **ZHONG, Suju** [US/—]; 10 Westport Drive, Shrewsbury, Massachusetts 01545 (US). **TARCSA, Edit** [US/—]; 1 Robin Circle, Westborough, Massachusetts 01581 (US). **CLABBERS, Anca** [US/—]; 20 Haven Hill Road, Rutland, Massachusetts 01543 (US). **WALLACE, Craig** [US/—]; 27 James Road, Sterling, Massachusetts 01564 (US). **BRYANT, Shaughn, H.** [US/—]; 30 Marble Street, Worcester, Massachusetts 01603 (US). **LEDDY, Mary, R.** [US/—]; 72 Peters Way, North Attleboro, Massachusetts 02760 (US).

(74) Agents: **YANKWICH, Leon, R.** et al.; Yankwich & Associates, P.C., 201 Broadway, Cambridge, MA 02139 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
25 November 2010

(54) Title: IL-17 BINDING PROTEINS

(57) Abstract: Proteins that bind IL- 17 and/or IL- 17F are described along with there use in composition and methods for treating, preventing, and diagnosing IL- 17 related diseases and for detecting IL-17 in cells, tissues, samples, and compositions.

WO 2010/102251 A3