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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 June 2012 (14.06.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/078878 A2

(51) **International Patent Classification**:
C12P 21/06 (2006.01)

(21) **International Application Number**:
PCT/US2011/063955

(22) **International Filing Date**:
8 December 2011 (08.12.2011)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/420,999 8 December 2010 (08.12.2010) US

(71) **Applicants** *(for all designated States except US)*: **ABBOTT LABORATORIES** [US/US]; 100 Abbott Park Road, Abbott Park, Illinois 60064 (US). **ABBOTT GMBH & CO KG** [DE/DE]; Max-Planck Ring 2, 65205 Wiesbaden (DE).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **HSIEH, Chung-ming** [US/US]; 22 Olde Field Road, Newton, Massachusetts 02459 (US). **GOODREAU, Carrie** [US/US]; 201 Stevens Street, Ludlow, Massachusetts 01056 (US). **GHAYUR, Tariq** [US/US]; 1014 Washington Street, Holliston, Massachusetts 01746 (US). **MOELLER, Achim** [DE/DE]; Im Zaunruecken 10, 67269 Gruenstadt (DE). **BOSE, Sahana** [US/US]; 48 Frobes Avenue, Marlborough, Massachusetts 01752 (US).

(74) **Agents**: **STEEL, Diana M.** et al.; Abbott Bioresearch Center, 100 Research Drive, Worcester, Massachusetts 01605 (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, QA, RO, RS, RU, RW, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority*

— *with sequence listing part of description (Rule 5.2(a))*

WO 2012/078878 A2

(54) **Title**: TNF-α BINDING PROTEINS

(57) **Abstract**: