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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 October 2009 (15.10.2009)

PCT

(10) International Publication Number
WO 2009/124815 A1

(51) **International Patent Classification**:
C07K 16/28 (2006.01) *A61P 37/06* (2006.01)
A61K 39/395 (2006.01) *C07K 16/46* (2006.01)

(21) **International Application Number**:
PCT/EP2009/052811

(22) **International Filing Date**:
10 March 2009 (10.03.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
0804684.9 13 March 2008 (13.03.2008) GB
0817810.5 29 September 2008 (29.09.2008) GB

(71) **Applicant** *(for all designated States except US)*: **BIOTEST AG** [DE/DE]; Landsteinerstrasse 5, 63303 Dreieich (DE).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **GERMER, Matthias** [DE/DE]; Theodor-Heuss-Strasse 1, 63225 Langen (DE). **OSTERROTH, Frank** [DE/DE]; Konrad-Adenauer-Allee 22, 63128 Dietzenbach (DE). **AIGNER, Silke** [DE/DE]; An der Kurzen Gewanne 24, 67227 Frankenthal (DE). **UHEREK, Christoph** [DE/DE]; Lachenwoerthsweg 6, 63500 Seligenstadt (DE). **KRAUS, Elmar** [DE/DE]; Bahnhofstrasse 51 A, 61118 Bad Vilbel (DE). **WARTENBERG-DEMAND, Andrea** [DE/DE]; Waldstrasse 68, 35440 Linden (DE). **WOLF, Daniele** [DE/DE]; Zum Roehrbrunnen 17a, 63303 Dreieich (DE). **KAISER, Sibylle** [DE/DE]; Stuckertstrasse 3, 64673 Zwingenberg (DE). **LINDNER, Juergen** [DE/DE]; Sandplackenstrasse 5, 60488 Frankfurt (DE). **BRUECHER, Christoph** [DE/DE]; Unter den Tannen 3a, 65760 Eschborn (DE). **DAELKEN, Benjamin** [DE/DE]; Eleonore-Sterling-Strasse 40, 60433 Frankfurt am Main (DE).

(74) **Agent**: **DANIELS, Jeffrey, Nicholas**; Page White & Farrer, Bedford House, John Street, London, Greater London WC1N 2BF (GB).

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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

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

WO 2009/124815 A1

(54) **Title**: AGENT FOR TREATING DISEASE

(57) **Abstract**: The provision of a pharmaceutical composition for treating an autoimmune disease comprising a pharmaceutically acceptable carrier and an agent capable of activating CD4+CD25+ regulatory T cells, wherein the composition is to be administered to a subject in a dose of the agent from 10 mg to 200 mg.