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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 February 2011 (03.02.2011)

PCT

(10) International Publication Number
WO 2011/014838 A1

(51) International Patent Classification:
C12N 5/00 (2006.01) *C12N 9/64* (2006.01)

(21) International Application Number:
PCT/US2010/044020

(22) International Filing Date:
30 July 2010 (30.07.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/230,477 31 July 2009 (31.07.2009) US

(71) Applicants *(for all designated States except US)*: **BAXTER INTERNATIONAL INC.** [US/US]; One Baxter Parkway, Deerfield, Illinois 60015 (US). **BAXTER HEALTHCARE S.A.** [CH/CH]; Thurgauerstrasse 130, CH-8152 Glattpark (Opfikon) (CH).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GRILLBERGER, Leopold** [AT/AT]; Dresdnerstrasse 51/8, A-1200 Vienna (AT). **SPENGER, Alexandra** [AT/AT]; Hippgasse 36 / 39, A-1160 Vienna (AT). **HASSLACHER, Meinhard** [AT/AT]; Vorgartenstrasse 221/1/7, A-1020 Vienna (AT). **GRILLBERGER, Rana** [LB/AT]; Dresdnerstrasse 51/8, A-1200 Vienna (AT). **REITER, Manfred** [AT/AT]; Gebrüder Lang Gasse 11/17, A-1150 Vienna (AT).

(74) Agents: **FLANAGAN, Lisa Dornbach** et al.; TOWNSEND and TOWNSEND and CREW LLP, Two Embarcadero Center, Eighth Floor, San Francisco, California 94111-3834 (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, LR, LS, MW, MZ, NA, 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, SE, SI, SK, SM, 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))*

— *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))*

(54) **Title**: CELL CULTURE MEDIUM FOR ADAMTS PROTEIN EXPRESSION

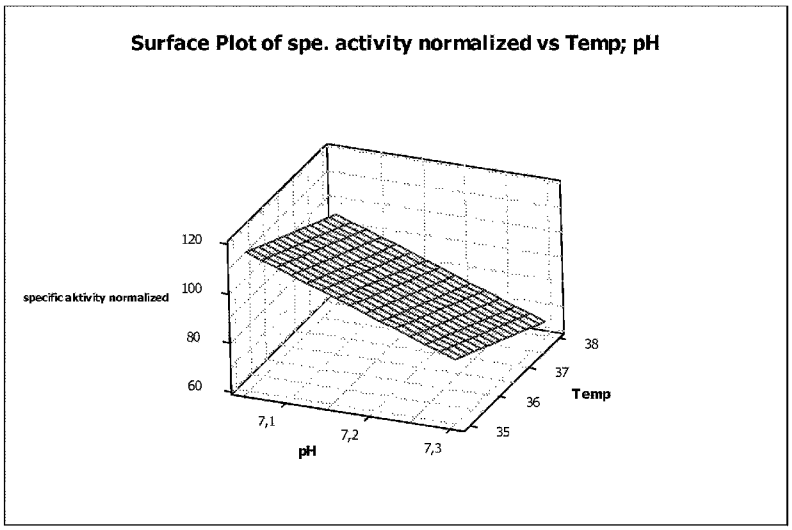


FIG. 2B

(57) **Abstract**: The present invention provides culture mediums that are useful for the expression of ADAMTS proteins, such as ADAMTS13. Methods for the expression and purification of ADAMTS proteins are also provided. In some embodiments, the mediums and methods of the invention are useful for the expression of ADAMTS proteins having high specific activities. Also provided are ADAMTS, e.g., ADAMTS13, protein compositions with high specific activities, which are expressed and purified according to the methods provided herein.

WO 2011/014838 A1