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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
8 May 2014 (08.05.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/071344 A2

(51) International Patent Classification:
C07K 1/16 (2006.01)

(21) International Application Number:
PCT/US2013/068403

(22) International Filing Date:
5 November 2013 (05.11.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/722,590 5 November 2012 (05.11.2012) US

(71) Applicant: **MEDIMMUNE, LLC** [US/US]; One Medimmune Way, Gaithersburg, MD 20878 (US).

(72) Inventors: **WAN, Min**; c/o Medimmune, LLC, One Medimmune Way, Gaithersburg, MD 20878 (US). **FORESPRING, Christopher**; c/o Medimmune, LLC, One Medimmune Way, Gaithersburg, MD 20878 (US). **LAPCEVICH, Randall**; c/o Medimmune, LLC, One Medimmune Way, Gaithersburg, MD 20878 (US). **SHANE, Erica**; c/o Medimmune, LLC, One Medimmune Way, Gaithersburg, MD 20878 (US). **OLIVER, Cynthia**; 13517 Stonebarn Lane, North Potomac, MD 20878 (US).

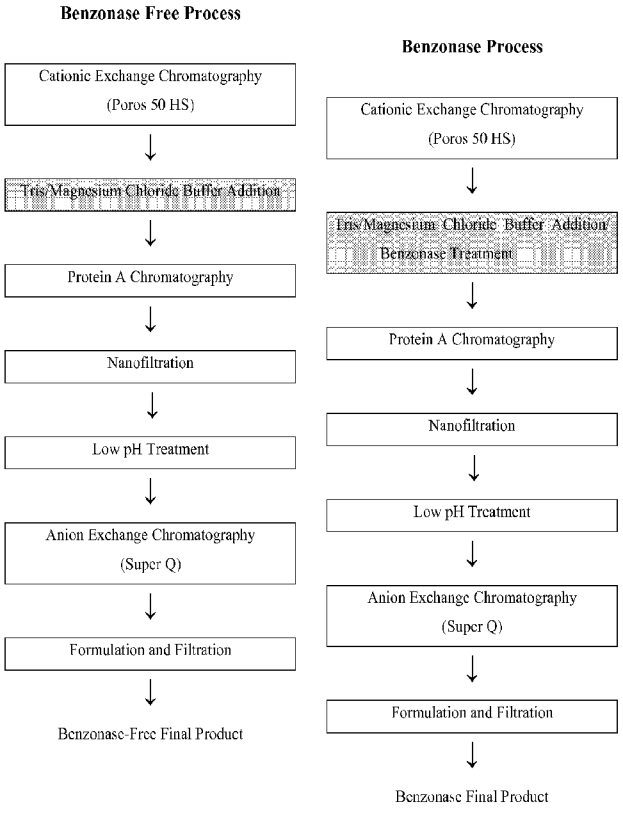
(74) Agents: **COHEN, Jared** et al.; Medimmune, LLC, One Medimmune Way, Gaithersburg, MD 20878 (US).

(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, BN, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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,

[Continued on next page]

(54) Title: METHOD OF ISOLATING SYNAGIS® IN THE ABSENCE OF BENZONASE



(57) Abstract: The present invention is directed to method of isolating an antibody from a composition. In some embodiments, the method comprises isolating Synagis® from a composition comprising Synagis®, the method comprising: (i) performing an ion exchange chromatography process on the composition; (ii) performing an affinity purification process on the composition; and (iii) performing a filtration process on the composition, wherein a final product comprising Synagis® results from (i), (ii), and (iii), wherein the final product is suitable for administration to a human and has a DNA concentration of < 0.5 pg/mg, and wherein the method does not comprise adding benzonase to the composition.

WO 2014/071344 A2

UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*