

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
22 January 2009 (22.01.2009)

PCT

(10) International Publication Number
WO 2009/010270 A8

(51) International Patent Classification:

C07K 1/18 (2006.01) **A61K 47/48** (2006.01)**A61K 38/18** (2006.01)

(21) International Application Number:

PCT/EP2008/005767

(22) International Filing Date:

15 July 2008 (15.07.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

07013959.7 17 July 2007 (17.07.2007) EP

(71) Applicant (for all designated States except US):
F.HOFFMANN-LA ROCHE AG [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BURG, Josef** [DE/DE]; Merowingerstrasse 5, 82362 Weilheim (DE). **REICHERT, Klaus** [DE/DE]; Bahnhofstrasse 12e, 82386 Oberhausen (DE). **SCHROTH, Axel** [DE/DE]; Saliterstrasse 5, 82404 Sindelsdorf (DE). **SCHURIG, Hartmut** [DE/DE]; Loerracher Strasse 36, 79541 Loerrach (DE). **WESSNER, Axel** [DE/DE]; Poennenspercherstrasse 1, 82377 Penzberg (DE).(74) Agent: **BURGER, Alexander**; Roche Diagnostics GmbH, Patent Department (TR-E), Postfach 11 52, 82372 Penzberg (DE).

(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, 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).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

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

(88) Date of publication of the international search report:

30 April 2009

(48) Date of publication of this corrected version:

29 April 2010

(15) Information about Correction:

see Notice of 29 April 2010

(54) Title: PURIFICATION OF PEGYLATED POLYPEPTIDES

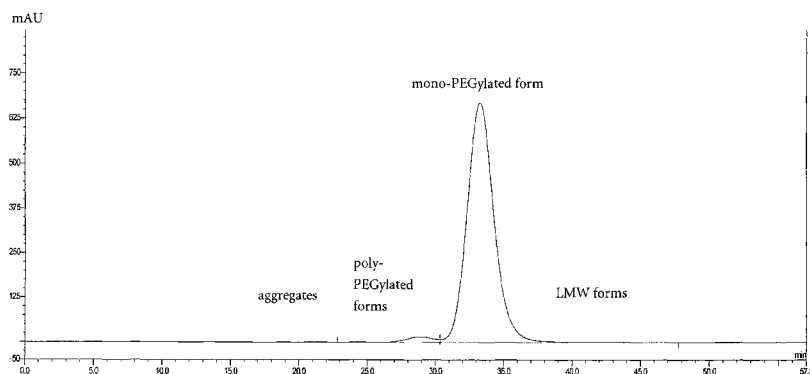


Fig. 1

(57) Abstract: The current invention comprises a method for the purification of mono-PEGylated erythropoietin comprising two cation exchange chromatography steps wherein the same type of cation exchange material is used in both cation exchange chromatography steps and a method for producing a mono-PEGylated erythropoietin in substantially homogeneous form.