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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 March 2011 (17.03.2011)

PCT

(10) International Publication Number
WO 2011/029898 A1

(51) **International Patent Classification**:
C07K 1/16 (2006.01) ***C07K 1/36*** (2006.01)
C07K 1/34 (2006.01)

(21) **International Application Number**:
PCT/EP2010/063295

(22) **International Filing Date**:
10 September 2010 (10.09.2010)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
09169911.6 10 September 2009 (10.09.2009) EP

(71) **Applicant** *(for all designated States except US)*: **LONZA BIOLOGICS PLC** [GB/GB]; 228-230 Bath Road, Slough SL1 4DX (GB).

(72) **Inventors; and**
(75) **Inventors/Applicants** *(for US only)*: **WHICKMAN, Mark R.** [GB/GB]; 9, Ashley Flats, Rushburn, Wooburn Green, High Wycombe Buckinghamshire HP10 0BW (GB). **MANSOOR, Sam** [GB/GB]; 27, Ray Lea Road, Maidenhead Berkshire SL6 8QL (GB).

(74) **Agents**: **WIEDEMANN, Peter** et al.; Hoffmann · Eitle, Arabellastrasse 4, 81925 Munich (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, 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))*

WO 2011/029898 A1

(54) **Title**: METHOD AND SYSTEM FOR POLYPEPTIDE PURIFICATION

(57) **Abstract**: The present invention provides a method and automated system for the purification of polypeptides including the direct filtration of solutions containing the polypeptides after purification.