

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 October 2006 (19.10.2006)

PCT

(10) International Publication Number
WO 2006/108594 A1

(51) International Patent Classification:

C07K 1/04 (2006.01) C07K 17/08 (2006.01)
C07K 14/16 (2006.01) C07K 17/06 (2006.01)

(21) International Application Number:

PCT/EP2006/003256

(22) International Filing Date: 10 April 2006 (10.04.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

05007694.2	8 April 2005 (08.04.2005)	EP
05010051.0	9 May 2005 (09.05.2005)	EP
60/699,861	18 July 2005 (18.07.2005)	US

(71) Applicant (for all designated States except US): **LONZA AG** [CH/CH]; Münchensteinerstrasse 38, CH-4052 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ALBERICO, Fernando** [ES/ES]; Di Putacio 259, E-08007 Barcelona (ES). **CRUZ, Luis, Javier** [CU/ES]; Joseph Samitier 1-5, E-08028 Barcelona (ES). **GARCIA-MARTIN, Fayna** [ES/ES]; c/Virgen del Pilar, 13, E-28230 Las Rozas C.P. Madrid (ES). **TULLA-PUCHE, Judit** [ES/ES]; Joseph Samitier 1-5, E-08028 Barcelona (ES).

(74) Agent: **REISS, Gilles, François**; Lonza AG, Patent Department, Münchensteinerstrasse 38, CH-4052 Basel (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PEPTIDE SYNTHESIS OF ALPHA-HELIXES ON PEG RESIN

(57) Abstract: A novel method for solid phase synthesis of peptides is disclosed. The method is particularly useful for peptides or peptide segments having strong propensity for forming α -helix secondary structure element.

WO 2006/108594 A1