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

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 April 2007 (12.04.2007)

PCT

(10) International Publication Number
WO 2007/039818 A3

(51) International Patent Classification:
C07K 16/28 (2006.01)

(21) International Application Number:
PCT/IB2006/002888

(22) International Filing Date: 9 May 2006 (09.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/678,776 9 May 2005 (09.05.2005) US

(71) Applicant *(for all designated States except US)*: **GLYCART BIOTECHNOLOGY AG** [CH/CH]; Wagistrasse 18, CH-8952 Schlieren-zurich (CH).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **SONDERMANN, Peter** [DE/CH]; Rudolfstetten-friedlisberg, CH-8964 Friedlisbergstrasse 223b (CH). **FERRARA KOLLER, Claudia** [CH/CH]; Hallwylstrasse 27, CH-8004 Zurich (CH). **BRUNKER, Peter** [DE/CH]; Burgwiesenstrasse 3c, CH-8335 Hittnau (CH). **STUART, Fiona** [GB/CH]; Freistrasse 159, CH-8037 Zurich (CH). **UMANA, Pablo** [CR/CH]; Freistrasse 159, CH-8037 Zurich (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).

Published:
— *with international search report*

(88) Date of publication of the international search report:
30 August 2007

(48) Date of publication of this corrected version:
22 November 2007

(15) Information about Correction:
see PCT Gazette No. 47/2007 of 22 November 2007

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: ANTIGEN BINDING MOLECULES HAVING MODIFIED FC REGIONS AND ALTERED BINDING TO FC RECEPTORS

(57) Abstract: The present invention is directed to antigen binding molecules, including antibodies, comprising a Fc region having one or more amino acid modifications, wherein the antigen binding molecule exhibits altered binding to one or more Fc receptors as a result of the modification(s). The invention is further directed to polynucleotides and vectors encoding such antigen binding molecules, to host cells comprising the same, to methods for making the antigen binding molecules of the invention, and to their use in the treatment of various diseases and disorders, e.g., cancers.

WO 2007/039818 A3