

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 March 2006 (23.03.2006)

PCT

(10) International Publication Number
WO 2006/031994 A3

(51) International Patent Classification:
C07K 16/00 (2006.01)

(21) International Application Number:

PCT/US2005/033055

(22) International Filing Date:

14 September 2005 (14.09.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/610,101 14 September 2004 (14.09.2004) US

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(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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

8 June 2006

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: MONOMERIC IMMUNOGLOBULIN FC DOMAINS

(57) Abstract: Design and production of immunoglobulin Fc domains including variants to stabilise their monomeric forms are provided.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2005/033055

A. CLASSIFICATION OF SUBJECT MATTER
C07K16/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DALL'ACQUA WILLIAM ET AL: "Contribution of domain interface residues to the stability of antibody CH3 domain homodimers" BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, PA, US, vol. 37, no. 26, 30 June 1998 (1998-06-30), pages 9266-9273, XP002245748 ISSN: 0006-2960 the whole document ----- -/--	1,2,6,7, 12

Further documents are listed in the continuation of Box C.

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* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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Date of the actual completion of the international search

6 April 2006

Date of mailing of the international search report

25/04/2006

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2005/033055

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ATWELL S ET AL: "Stable heterodimers from remodeling the domain interface of a homodimer using a phage display library" JOURNAL OF MOLECULAR BIOLOGY, LONDON, GB, vol. 270, no. 1, 4 July 1997 (1997-07-04), pages 26-35, XP004453749 ISSN: 0022-2836 the whole document</p> <p>-----</p>	1,2,6,12
A	<p>ARYA SUDHA ET AL: "Mapping of amino acid residues in the C-mu-3 domain of mouse IgM important in macromolecular assembly and complement-dependent cytolysis" JOURNAL OF IMMUNOLOGY, vol. 152, no. 3, 1994, pages 1206-1212, XP002375981 ISSN: 0022-1767 the whole document</p> <p>-----</p>	1-16
A	<p>WO 2004/029207 A (XENCOR; LAZAR, GREGORY, ALAN; CHIRINO, ARTHUR, J; DANG, WEI; DESJARLAI) 8 April 2004 (2004-04-08) the whole document</p> <p>-----</p>	1-16

INTERNATIONAL SEARCH REPORT

information on patent family members

International application No

PCT/US2005/033055

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		BR 0314814 A	09-08-2005
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		EP 1553975 A2	20-07-2005
