

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 December 2007 (06.12.2007)

PCT

(10) International Publication Number
WO 2007/140371 A3

(51) International Patent Classification:
C07K 16/28 (2006.01) A61K 47/48 (2006.01)

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(21) International Application Number:
PCT/US2007/069889

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, 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, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(22) International Filing Date: 29 May 2007 (29.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/809,328 30 May 2006 (30.05.2006) US
60/908,941 29 March 2007 (29.03.2007) US
60/911,829 13 April 2007 (13.04.2007) US

(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, MT, 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).

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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:
14 February 2008



WO 2007/140371 A3

(54) Title: ANTIBODIES AND IMMUNOCONJUGATES AND USES THEREFOR

(57) Abstract: Anti-CD22 antibodies and immunoconjugates thereof are provided. Methods of using anti-CD22 antibodies and immunoconjugates thereof are provided.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/069889

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K47/48 C07K16/28

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 A61K

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, CHEM ABS Data, WPI Data, BIOSIS, EMBASE, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/042240 A (WYETH CORP [US]; IYER ANAND [US]; DUNUSSI-JOANNOPOULOS KYRIAKI [US]) 20 April 2006 (2006-04-20) Seq. 28 is 92.24% identical to Seq. 87 of application	1-238
X	WO 03/072736 A (UNIV DUKE [US]; TEDDER THOMAS F [US]) 4 September 2003 (2003-09-04) Seq. 29 is anti-CD22 light chain and comprises Seq. 12 of application the whole document	1-238

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *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
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

26 November 2007

Date of mailing of the international search report

12/12/2007

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/069889

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/093320 A (CELLTECH R & D LTD [GB]; POPPLEWELL ANDREW GEORGE [GB]; TICKLE SIMON P) 13 November 2003 (2003-11-13) Seq. 28 is 92.24% identical to Seq. 87 of application the whole document -----	1-238
A	WO 2005/113003 A (GENENTECH INC [US]; CHAN ANDREW C [US]; GONG QIAN [US]; MARTIN FLAVIUS) 1 December 2005 (2005-12-01) Seq.32 is 95.35% identical to Seq. 88 of application -----	
A	LEONARD JOHN P ET AL: "Epratuzumab, a humanized anti-CD22 antibody, in aggressive non-Hodgkin's lymphoma: phase I/II clinical trial results." CLINICAL CANCER RESEARCH : AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH 15 AUG 2004, vol. 10, no. 16, 15 August 2004 (2004-08-15), pages 5327-5334, XP002459865 ISSN: 1078-0432 -----	
A	DIJOSEPH J F ET AL: "ANTIBODY-TARGETED CHEMOTHERAPY WITH CMC-544: A CD22-TARGETED IMMUNOCONJUGATE OF CALICHEAMICIN FOR THE TREATMENT OF B-LYMPHOID MALIGNANCIES" BLOOD, W.B.SAUNDERS COMPANY, ORLANDO, FL, US, vol. 103, no. 5, March 2004 (2004-03), pages 1807-1814, XP008060153 ISSN: 0006-4971 -----	
A	WO 2005/117986 A (GENENTECH INC [US]; EBENS JR ALLEN J [US]; JACOBSON FREDERIC S [US]; P) 15 December 2005 (2005-12-15) -----	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/069889

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 142, 143, 145, 146, 148-152, 154, 221, 223-225 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/069889

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