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(71) Applicant (for all designated States except US): **SEATTLE GENETICS, INC.** [US/US]; 21823 - 30th Drive, S.E., Bothell, WA 98021 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LAW, Che-Leung** [US/US]; 18834 Fremont Avenue N., Shoreline, WA 98133 (US). **WAHL, Alan, F.** [US/US]; 6150 East Mercer Way, Mercer Island, WA 98020 (US). **SCHOLLER, Nathalie** [FR/US]; 6208 32nd Avenue N.W., Seattle, WA 98107 (US). **PESTANO, Linda, A.** [US/US]; 11630 North Dragoon Springs Drive, Oro Valley, AZ 85737 (US).

(74) Agents: **SANDBAKEN, Mark, G.** et al.; **TOWNSEND** and **TOWNSEND** and **CREW LLP**, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111 (US).

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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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

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— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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24 February 2005

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: ANTI-CD70 ANTIBODY-DRUG CONJUGATES AND THEIR USE FOR THE TREATMENT OF CANCER AND IMMUNE DISORDERS

(57) Abstract: Disclosed are anti-CD70 antibodies and derivatives thereof conjugated to cytotoxic, immunosuppressive, or other therapeutic agents, as well as pharmaceutical compositions and kits comprising the antibody- and antibody derivative-drug conjugates. Also disclosed are methods, for the treatment of CD70-expressing cancers and immunological disorders, comprising administering to a subject the disclosed pharmaceutical compositions.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/05247

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : A61K 39/395; C07K 16/00
 US CL : 424/130.1, 133.1, 136.1, 141.1, 144.1, 155.1, 181.1, 183.1; 530/387.1, 387.3, 388.1, 388.8, 391.7
 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)
 U.S. : 424/130.1, 133.1, 136.1, 141.1, 144.1, 155.1, 181.1, 183.1; 530/387.1, 387.3, 388.1, 388.8, 391.7

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 practicable, search terms used)
 Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	HINTZEN, R. Q. et al. Characterization of the Human CD27 Ligand, a Novel Member of the TNF Gene Family. Journal of Immunology. 15 February 1994, Vol. 152, No. 4, pages 1762-1773, see entire document.	1-2, 13-20, 22-24, 27-29, 34-35, 46-53, 55-59, 62-67, 71-72, 83-89, 91-95, 98-100, 103, 104
Y	US 6,342,219 B1 (THORPE et al) 29 January 2002 (29.01.2002), see columns 14, 28-30, 68, 73, 75-76, 79, 92 and 95-97.	13-20, 22-24, 27-29, 46-53, 55-59, 62-64, 83-89, 91-95, 98-100, 103, 104

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	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search: 02 September 2004 (02.09.2004)
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 Facsimile No. (703)305-3230
 Authorized officer: David J Blanchard
 Telephone No. (571) 272-0827

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/05247

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

a sequence listing

table(s) related to the sequence listing

b. format of material

in written format

in computer readable form

c. time of filing/furnishing

contained in the international application as filed

filed together with the international application in computer readable form

furnished subsequently to this Authority for the purposes of search

2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/05247

Continuation of B. FIELDS SEARCHED Item 3:

WEST, Medline, EMBASE, CAPLUS, Biotechno, Cancerlit, Biosis, Geneseq, PIR 78, Swissprot, Sptrembl, issued and published patents.

Search terms: SEQ ID numbers, CD70, CD27L, antibody, 1F6, 2F2, cytotoxins, MMAE, inventor search.