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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: HLA FUSION MOLECULES AND USES THEREOF

(57) Abstract: The present invention provides a fusion molecule comprising a first domain and a second domain, wherein said first domain comprises the HLA-DR alpha 2 domain or a fragment thereof. Said fusion molecule is capable of modulating the T-cell mediated immune response. Furthermore, pharmaceutical compositions comprising said fusion molecules for the treatment of various diseases such as graft versus host disease, autoimmune diseases, allergic diseases, infectious diseases and tumors in a subject are described.



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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. C07K14/74 C12N15/62

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 C12N

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, Sequence Search, WPI Data, PAJ, EMBASE, BIOSIS, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/025000 A (UTKU, NALAN) 27 March 2003 (2003-03-27) the whole document	1-25
X	WO 99/09064 A (MOUNT SINAI SCHOOL OF MEDICINE OF THE CITY OF NEW YORK; CASARES, SOFIA) 25 February 1999 (1999-02-25) page 4, paragraph 1 page 7 - page 8 page 12, paragraph 3 - page 13, paragraph 1	1-25
X	WO 99/42597 A (PRESIDENT AND FELLOWS OF HARVARD COLLEGE) 26 August 1999 (1999-08-26) page 4 - page 11 page 17, paragraph 3 page 23, line 17 - line 23	1-25
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

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- *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

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- *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
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- * & * document member of the same patent family

Date of the actual completion of the international search

4 July 2006

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INTERNATIONAL SEARCH REPORT

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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 01/91698 A (GAVISH-GALILEE BIO APPLICATION LTD; GROSS, GIDEON; MARGALIT, ALON) 6 December 2001 (2001-12-06) the whole document	1-25
X	NAG B ET AL: "Functionally active recombinant alpha and beta chain-peptide complexes of human major histocompatibility class II molecules" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOCHEMICAL BIOLOGISTS, BIRMINGHAM,, US, vol. 271, no. 17, 26 April 1996 (1996-04-26), pages 10413-10418, XP002110049 ISSN: 0021-9258 the whole document	1-25

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2006/000560

Box 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 21-24 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 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 fee, this Authority did not invite payment of any additional fee.
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.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2006/000560

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