Title: HUMAN FACILITATING CELLS AND USES THEREOF

CD8+/TCR- FC

FIG. 2

Abstract: The present disclosure relates to human facilitating cells (hFC), and methods of isolating, characterizing, and using such hFCs.
A. CLASSIFICATION OF SUBJECT MATTER

C12N 5/071(2010.01)i, C12N 5/0789(2010.01)i, A61K 35/12(2006.01)i, A61K 37/00(2006.01)i

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)
C12N 5/071; A01N 63/00; A61N 5/00; C12N 15/00; A61K 35/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords: facilitating cell, stem cell engraftment, CD8, TCR, CD56, CD19

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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<tr>
<td>X</td>
<td>US 5772994 A (ILSTDAT et al.) 30 June 1998</td>
<td>1-10</td>
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<td>Y</td>
<td>See the whole document, especially examples, claims 1-17, 60-72.</td>
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<td>X</td>
<td>US 2007/0098653 A1 (ILSTDAT) 03 May 2007</td>
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<td>See the whole document, especially abstract, claims.</td>
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<td>Y</td>
<td>JIANG et al., 'The contribution of cytotoxic and noncytotoxic function by donor T-cells that support engraftment after allogeneic bone marrow transplantation' Biology of Blood and Marrow Transplantation, Vol.8, pp.588-592 (2002)</td>
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<td>A</td>
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<td>A</td>
<td>GRIMES et al., 'Graft facilitating cells are derived from hematopoietic stem cells and functionally require CD8, but are distinct from T lymphocytes' Experimental Hematology, Vol.32, pp.946-954 (2004) See the whole document.</td>
<td>1-21</td>
</tr>
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</table>

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 application or patent 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 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: 16 MARCH 2012 (16.03.2012)

Date of mailing of the international search report: 19 MARCH 2012 (19.03.2012)

Name and mailing address of the ISA/KR
Korean Intellectual Property Office
Government Complex-Daejeon, 189 Cheongsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea
Facsimile No. 82-42-472-7140

Authorized officer
Kim Seung Beom
Telephone No. 82-42-481-8746

Form PCT/ISA/210 (second sheet) (July 2009)
INTERNATIONAL SEARCH REPORT

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.: 22-32
   because they relate to subject matter not required to be searched by this Authority, namely:
   Claims 22-32 pertain to methods for treatment of the human body by therapy, and thus relate to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, to search.

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 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 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.
<table>
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<th>Patent family member(s)</th>
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<td>WO 2005-023982 A3</td>
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