Title: HUMAN MIMETIC EPO HINGE CORE MIMETIBODIES

Abstract: The present invention relates to at least one novel human EPO mimetic hinge core mimetibody or specified portion or variant, including isolated nucleic acids that encode at least one EPO mimetic hinge core mimetibody or specified portion or variant, EPO mimetic hinge core mimetibody or specified portion or variants, vectors, host cells, and methods of making and using thereof, for preventing or treating glucose intolerance and/or renal disease associated anemia, including therapeutic compositions, methods and devices.
A. CLASSIFICATION OF SUBJECT MATTER
   IPC(8) - A61K 39/00 (2008.04)
   USPC - 424/179.1
   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)
   IPC(8) - A61K 39/00 (2008/04)
   USPC - 424/179.1
   Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
   USPC - 530/387.3, 530/388.8, 530/399, 530/350, 530/387.1, 530/387.9, 530/389.2, 435/69.7, 435/320.1, 435/325, 435/972
   536/23,5, 514/6
   Electronic database consulted during the international search (name of data base and, where practicable, search terms used)
   PubMed, USPTO, PGPB, EPAB, JPAB, Google Patent/Scholar, PubMed: glucose intolerance treatment, renal, anemia, human erythropoietin (EPO), peptidomimetics (or mimetic peptide), mimetobodies (or mimetic antibody, immunoglobulin), hinge core

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>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 2004/0253242 A1 (BOWDISH et al.) 16 Dec 2004 (16.12.2004); para [0099], [0100], [0136], [0144], [0145], [0169]</td>
<td>4, 18, 22-24</td>
</tr>
<tr>
<td>Y</td>
<td>WO 2005/007809 A2 (ROTHE et al.) 27 Jan 2005 (27.01.2005); pg 10, para 1</td>
<td>4, 18, 22-24</td>
</tr>
<tr>
<td>Y</td>
<td>US 6,239,109 B1 (RODERS et al.) 29 May 2001 (29.05.2001); col 8, in 12-22</td>
<td>24</td>
</tr>
</tbody>
</table>

* 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 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
   "W" document member of the same patent family

Date of the actual completion of the international search
05 December 2008 (05.12.08)

Date of mailing of the international search report
06 FEB 2009

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer: Lee W. Young
PCT Helpdesk: 571-272-4300
PCT DSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (April 2007)
### 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.: 1-3, 5-17, 19, 20**
   - because they relate to subject matter not required to be searched by this Authority, namely:
   - Claims 1-3, 5-17, 19, 20 are unsearchable because the applicant failed to comply with the ISA/225.

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.: 21**
   - 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 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.**

*Form PCT/ISA/210 (continuation of first sheet (2)) (April 2007)*