
(21) International Application Number: PCT/DK2005/000270

(22) International Filing Date: 20 April 2005 (20.04.2005)

(25) Filing Language: English

(26) Publication Language: English


(71) Applicant (for all designated States except US): GEMMAB A/S [DK/DK]; Toldbodgade 33, DK-1253 Copenhagen K (DK).

(72) Inventors: and

(75) Inventors/Applicants (for US only): TEELING, Jessica [NL/GB]; Woodmill Cottage, Woodmill Lane 299, SO18 2JR Swaythling, Southampton (GB); GLENNIE, Martin [GB/GB]; Woodmill Cottage, Woodmill Lane 299, SO18 2JR Swaythling, Southampton (GB); PARREN, Paul [NL/NL]; Werderpolderwaard 17, NL-3984 PR Oudijk (NL); GERRITSEN, Arnout, F. [NL/NL]; Hoenderkopershoek 31, NL-3981 TB Bunnick (NL); RUULS, Sigrid [NL/NL]; Hessenweg 121B, NL-3731 JG De Bilt (NL); GRAUS, Yvo [NL/NL]; Werderpolderwaard, 3, NL-3984 PR Oudijk (NL); VAN DE WINKEL, Jan [NL/NL]; Verlengde Slotlaan 80, NL-80370 CK Zeist (NL).


(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, MC, 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).

(88) Date of publication of the international search report: 1 December 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.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/53 C07K16/28 A61K39/395 A61P35/00 A61P43/00 A61K47/48

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 7 C07K G01N A61P 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, BIOSIS, EMBASE, MEDLINE, SCISEARCH, CHEM ABS Data, WPI Data, PAJ

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>
</table>
| X        | DECHANT MICHAEL ET AL: "Novel fully human CD20 antibodies with different mechanisms of action."
          | BLOOD, vol. 102, no. 11, 16 November 2003 (2003-11-16), page 103a, XP009053150 & 45TH ANNUAL MEETING OF THE AMERICAN SOCIETY OF HEMATOLOGY; SAN DIEGO, CA, USA; DECEMBER 06-09, 2003 ISSN: 0006-4971 the whole document | 3,10-15, 18-20, 22,24, 25,52-54 |

Further documents are listed in the continuation of box C.

* 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

Date of the actual completion of the international search 31 August 2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk
Tel. (+31-70) 940-2040, Tx 31 651 epc nl,
Fax: (+31-70) 340-3016

Form PCT/ISA2/30 (second sheet) (January 2004)

X Patent family members are listed in annex.

* 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
**X** 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, each combination being obvious to a person skilled in the art.
*x* document member of the same patent family

Date of mailing of the International search report 10/10/2005

Authorized officer Domingues, H
<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>Patent document cited in search report</td>
<td>Publication date</td>
<td>Patent family member(s)</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-----------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EP 1558648 A2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WO 2004035607 A2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>US 2004167319 A1</td>
</tr>
</tbody>
</table>