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(54) Title: COMPOUNDS MODULATING C-FMS AND/OR C-KIT ACTIVITY AND USES THEREFOR

(57) Abstract: Compounds active on the receptor protein tyrosine kinases c-kit and/or c-fms are provided herewith. Also provided herewith are compositions useful for treatment of c-kit mediated diseases or conditions and/or c-fms-mediated diseases or conditions, and methods for the use thereof.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D471/04 A61K31/437

According to International Patent Classification (IPC) or to both national classification and IPO

B. FIELD SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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<td>WO 2006/009755 A (PLEXIXON INC [US]; IBRAHIM PRABHA N [US]; HURT CLARENCE R [US]; ZHANG) 26 January 2006 (2006-01-26) Formula 1; paragraphs [0121] - [0132]; claims 1,35; tables 1,2</td>
<td>1-58</td>
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X Further documents are listed in the continuation of Box C

X 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 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

T later document published after the international filing date

'E' 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

'T' 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

'A' document member of the same patent family

Date of the actual completion of the international search

23 May 2008

Date of mailing of the international search report

28/07/2008

Name and mailing address of the ISA/Authorized officer

European Patent Office, P B 5818 Patentlaan 2 NL-2280 HV Rijswijk
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Fax (+31-70)340-3016

Rudolf, Manfred
<table>
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<td>WO 2007/013896 A (PLEXXIKON INC [US]; ZHANG CHAO [CN]; ZHANG JIAZHONG [CN]; IBRAHIM PRAB) 1 February 2007 (2007-02-01) page 165, compound P0075; paragraphs [0393], [0394], [0414], [0427]</td>
<td>1,51, 53-58</td>
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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. [Y] Claims Nos 54-56, 59, 60 because they relate to subject matter not required to be searched by this Authority, namely see FURTHER INFORMATION sheet PCT/ISA/210

2. [X] Claims Nos 59-60 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 see FURTHER INFORMATION sheet PCT/ISA/210

3. [D] 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 additional fee.

3. [ ] As only some of the required additional search fees were timely paid by the applicant, this international search report covers [items listed].

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/21 0 (continuation of first sheet (2)) (April 2005)
Continuation of Box II.I

Although claims 54-56 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.

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Continuation of Box II.I

Claims Nos.: 54-56, 59, 60

Although claims 54-56 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.

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Continuation of Box II.2

Claims Nos.: 59-60

Claim 59 makes reference to compounds of formulae I, Ia, Ib, Ig which are however nowhere specified in the claims. Therefore, a meaningful search of the subject matter covered by these claims cannot be carried out (Art. 17(2) PCT).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.2), should the problems which led to the Article 17(2)PCT declaration be overcome.
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