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(71) Applicant (for all designated States except US): PHAR-MACIA CORPORATION [US/US]; 700 Chesterfield Parkway West, Chesterfield, MO 63017-1732 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): STEPHENSON, Diane, T. [US/US]; 1527 North Road, Groton, CT 06340 (US).

(74) Agents: PETRILLO, Kathleen, M. et al.; Senniger Powers, #1 Metropolitan Square, 16th Floor, St. Louis, MO 63102 (US).

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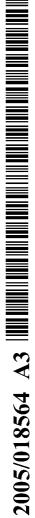
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(54) Title: COMPOSITIONS OF A CYCLOOXYGENASE-2 SELECTIVE INHIBITOR AND A LOW-MOLECULAR-WEIGHT HEPARIN FOR THE TREATMENT OF CENTRAL NERVOUS SYSTEM DAMAGE

(57) Abstract: The present invention provides compositions and methods for the treatment of central nervous system damage in a subject. More particularly, the invention provides a combination therapy for the treatment of a central nervous system ischemic condition or a central nervous system traumatic injury comprising the administration to a subject of a low-molecular-weight heparin in combination with a cyclooxygenase-2 selective inhibitor.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/27148

| A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A01N 29/00, A61K 31/33, 31/727, 31/70; C08B 37/10 US CL : 514/12, 56, 183; 536/21 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) | | | | | |
|--|---|----------|---|-----------------------|--|
| U.S. : 514/12, 56, 183; 536/21 | | | | | |
| 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 practicable, search terms used) | | | | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | | | Relevant to claim No. | |
| Y | US 6,585,995 B1 (HANSON) 01 July 2003 (01.07.2003) Claims 1-96, Columns 21 and 22. | | | 1, 4-15 | |
| A | · | | | 1, 4-15 | |
| Y : | Y 5 US 6,596,747 B2 (LIU et al.) 22 July 2003 (22.07.2003), columns 27-28. | | | 1, 4-15 | |
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| A | | | | 1, 4-15 | |
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| Furth | er documents are listed in the continuation of Box C. | <u> </u> | See patent family annex. | | |
| * | Special categories of cited documents: | "T" | later document published after the inte date and not in conflict with the applic | | |
| | ent defining the general state of the art which is not considered to be cular relevance | "X" | principle or theory underlying the invedocument of particular relevance; the | ntion | |
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| | ent published prior to the international filing date but later than the date claimed | "&" | document member of the same patent | • | |
| Date of the actual completion of the international search | | | Date of mailing of the international search report | | |
| 10 January 2005 (10.01.2005) | | | 1 2 APR 2005 | | |
| Name and mailing address of the ISA/US | | | 1 000 11 1 | NAD IN | |
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| Commissioner for Patents P.O. Box 1450 | | / / | | | |
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/27148

| 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.: because they relate to subject matter not required to be searched by this Authority, namely: | | | | |
| 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. | | | | |
| 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. | | | | |

Form PCT/ISA/210 (continuation of first sheet(2)) (January 2004)