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(54) Title: COMPOSITION COMPRISING CRUSTACEAN GASTROLITH COMPONENTS, CALCIUM CARBONATE AND ITS USE

(57) Abstract: Provided is a formulation containing amorphous or microcrystalline calcium carbonate finely interspersed with organic matter in a ratio of 10 parts of the carbonate per 1 to 3 parts of the organic matter, wherein the organic matter consists of chitin and polypeptide. The formulation is efficient in treating various pathological conditions, including proliferative diseases, neurological disorders, and musculoskeletal disorders.



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| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>INV. A61K31/722    A61K33/10    A61K45/06    C07K14/435    A61P3/00<br>A61P11/00    A61P9/00    A61P15/00    A61P19/00    A61P21/00<br>A61P29/00    A61P35/00    A61P37/00    A61K35/60   |  |  |  |  |
| According to International Patent Classification (IPC) or to both national classification and IPC   |  |  |  |  |
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>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)<br>EPO-Internal  |  |  |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>   |  |  |  |  |
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| Y   | -----<br>DATABASE WPI Week 200432<br>Thomson Scientific, London, GB; AN 343036<br>XP002512142<br>& JP 2004 081739 A (BANKOKU NEEDLE MFG)<br>18 March 2004 (2004-03-18)<br>abstract   |  |  | 1,4,6-8,<br>10-15,<br>17-34,<br>37,39              |
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| <div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.</span> <span><input checked="" type="checkbox"/> See patent family annex.</span> </div>   |  |  |  |  |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*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)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 50%;"> <p>*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</p> <p>*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</p> <p>*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.</p> <p>*&amp;* document member of the same patent family</p> </div> </div> |  |  |  |  |
| Date of the actual completion of the international search<br><br><div style="text-align: center; font-weight: bold;">2 February 2009</div>  |  |  | Date of mailing of the international search report<br><br><div style="text-align: center; font-weight: bold;">18/02/2009</div> |  |
| Name and mailing address of the ISA/<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040,<br>Fax: (+31-70) 340-3016  |  |  | Authorized officer<br><br><div style="text-align: center; font-weight: bold;">Kanbier, Titia</div>                             |  |

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