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(54) Title: SUSTAINED RELEASE PHARMACEUTICAL COMPOSITION

(57) Abstract: The present invention relates to a sustained release oral pharmaceutical composition, having a beta lactam antibiotic or their pharmaceutically acceptable salts, hydrates or esters in a polymer mixture such that the beta lactam antibiotic is released over an extended period, suitable for once or twice daily oral administration. The invention preferably relates to a sustained release pharmaceutical composition of a beta lactam antibiotic having gelling tendency when in contact with the gastrointestinal fluids. The invention more preferably relates to sustained release pharmaceutical composition of prodrugs of cefpodoxime and cefuroxime such as cefpodoxime proxetil and cefuroxime axetil.



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## INTERNATIONAL SEARCH REPORT

International Application No

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/16 A61K31/43 A61K31/431 A61K31/545 A61K31/546  
A61K9/28

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 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, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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| Y          | page 1, lines 27-31<br>page 3, line 30 - page 4, line 7<br>page 7, lines 5-14<br>page 8, line 8 - page 9, line 1<br>examples 3,5-7,10,13-18            |                                     |
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|            | -----<br>-/--                                                                                                                                          |                                     |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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| Y          | DHOPESHWARKAR V ET AL: "DEVELOPMENT OF AN<br>ORAL SUSTAINED-RELEASE ANTIBIOTIC MATRIX<br>TABLET USING IN-VITRO/IN-VIVO<br>CORRELATIONS"<br>DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY,<br>NEW YORK, NY, US,<br>vol. 20, no. 11, 1994, pages 1851-1867,<br>XP009025958<br>ISSN: 0363-9045<br>the whole document | 1-31                  |

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Information on patent family members

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