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(54) Title: IMPACT OF CALCIUM PHOSPHATE COMPLEX ON DENTAL CARIES

(57) Abstract: The present invention relates to chewing gum and confectionery compositions and methods for reducing dental caries in mammals. In particular, the compositions may include a gum base or carrier, sweetening agents and casein phosphopeptide-calcium phosphate (CPP-ACP). The compositions may be employed to slow the progression and enhance the regression of carious lesions in mammals, particularly in humans.



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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/08623

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A61K 8/00**( 2006.01)

USPC: 424/49

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. : 424/49

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched classification 424/49 and 424/50

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
East and West search history, STN, Medline

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                               | Relevant to claim No. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X          | US patent, 5,227,154 by Reynolds et al., July 13, 1993. (column 1, lines 60-66, column 3, lines 1-10 and lines 45-50 and column 4, lines 50-65). | 1-2                   |
| ---        |                                                                                                                                                  | -----                 |
| Y          | US Patent, 6,280,780 Degady et al. August 28, 2001. Front page, see the entire document.                                                         | 3-52                  |



Further documents are listed in the continuation of Box C.



See patent family annex.

| * Special categories of cited documents:                                                                                                                                |                                                                                                                                                                                                                                                  |
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| "A" document defining the general state of the art which is not considered to be of particular relevance                                                                | "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                                              |
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| "P" document published prior to the international filing date but later than the priority date claimed                                                                  |                                                                                                                                                                                                                                                  |

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