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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CALCIUM PHOSPHATE DELIVERY VEHICLES FOR OSTEOINDUCTIVE PROTEINS

(57) Abstract: A composition for treating a mammal having a bone defect. The composition comprises an osteogenic protein, a calcium phosphate material as a carrier, and an effective amount of an effervescent agent. Methods of making the compositions and methods of using the osteogenic compositions to treat osteoporotic and/or osteopenic bone are also disclosed.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/17798

A. CLASSIFICATION OF SUBJECT MATTER						
IPC(7) :A61K 31/70, 33/06, 33/14, 33/42, 38/00						
US CL :424/602, 678, 682; 514/2, 23 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. : 424/602, 678, 682; 514/2, 23						
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*	ategory* Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.	
A	US 5,492,697 A (BOYAN et al.) 20 February 1996 (20.02.96), see 1-8 and 21-38					
11	the entire document.					
A	US 6,077,076 A (COMFORT) 20 June 2000 (20.06.00), see the				1-8 and 21-38	
	entire document.					
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Further documents are listed in the continuation of Box C. See patent family annex.						
* Special categories of cited documents: "I" later document published after the international filing date date and not in conflict with the application but cited to u						
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"P" document published prior to the international filing date but later "&" document member of the same published priority date claimed						
Date of the	Date of the actual completion of the international search Date—of mailing of the international search report					
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INTERNATIONAL SEARCH REPORT

International application No. PCT/US02/17798

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)					
This international 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. X Claims Nos.: 9-20 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II Observations where unity of invention is lacking (Continuation of item 2 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.					
3. 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.					