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(54) Title: IMPLANT COATING

(57) Abstract: A coating for application to an orthopaedic implant to deliver a pharmaceutical composition. The coating comprises a polymeric matrix which acts as a carrier for the pharmaceutical composition. The matrix is formed from a polymer of at least one hydrophilic substituted or unsubstituted vinyl carbonyl monomer and at least one linking agent which has first and second reactive groups which can react with the vinyl carbonyl monomer so as to link them, spaced by from 3 to 30 repeating units whose chain length is from 2 to 10 atoms. The vinyl carbonyl monomer is present in an amount of from 20% to 90% by volume of the combined volume of the vinyl carbonyl monomer and the linking agent. The matrix also includes a particulate filler which is present in an amount of at least 3% by weight of the total weight of the matrix.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
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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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 306 422 B1 (BATICH CHRISTOPHER D [US] ET AL) 23 October 2001 (2001-10-23) columns 5-7 column 11; example 1; table 1 figure 1	1-9
A	US 5 876 743 A (IBSEN ROBERT L [US] ET AL) 2 March 1999 (1999-03-02) column 5 - column 6 column 19; table 1 column 21; table 2	
A	US 5 626 863 A (HUBBELL JEFFREY A [US] ET AL) 6 May 1997 (1997-05-06) columns 9-10 column 13 figure 1	
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	EP 1 104 681 A (BIOMAT BV [NL]; MCTEC B V [NL]) 6 June 2001 (2001-06-06) page 4, paragraph 29 -----	
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International application No PCT/GB2007/000614

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