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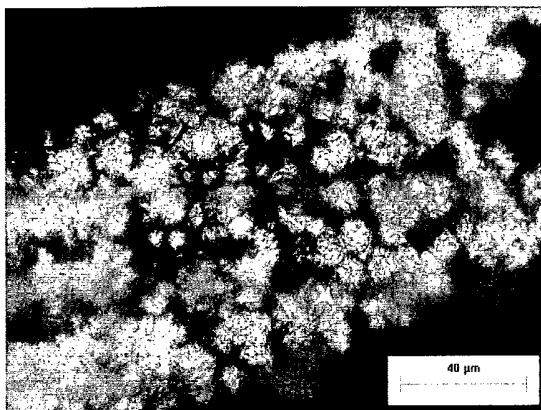
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(54) Title: COATINGS WITH CRYSTALLIZED ACTIVE AGENTS (S)



(57) Abstract: The present invention relates to coatings with crystallized active agent(s) and related methods. In an embodiment, the invention includes a method for coating a medical device including selecting a solvent and a polymer, selecting a concentration of an active agent of at least a certain amount of saturation, forming a coating composition having the selected concentration of the active agent, and applying the coating composition to the medical device. In an embodiment, the invention includes an elution control coating disposed on a medical device, the elution control coating including a polymer, and an active agent, wherein the active agent is at least about 80% crystallized within one week of being disposed on the medical device. In an embodiment, the invention includes a method for enhancing the formation of active agent crystals within a coating layer including forming a coating solution and adjusting the concentration of the active agent in the coating solution to reach some percentage of the active agent saturation point. In an embodiment, the invention includes a method of enhancing crystallization of an active agent, the method including forming a coating solution comprising a polymer, an active agent, and a solvent; applying the coating solution to a substrate; and increasing the rate of active agent nucleation within the coating.



WO 2006/063021 A3



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A. CLASSIFICATION OF SUBJECT MATTER

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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	<p>WO 02/055122 A (BIOCOMPATIBLES LIMITED; LEWIS, ANDREW, LENNARD; LEPPARD, SIMON, WILLIA) 18 July 2002 (2002-07-18) page 6, line 10 - page 7, line 9 page 16, lines 13-23 page 18, lines 17-24 page 19, lines 3-13 page 20, lines 3-15 page 21, line 23 - line 30 page 22, lines 7-28 claims 1-26</p> <p style="text-align: center;">----- -/--</p>	<p>1-10, 12-20, 22-24</p>



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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.
X	<p>US 6 344 035 B1 (CHUDZIK STEPHEN J ET AL) 5 February 2002 (2002-02-05)</p> <p>column 2, lines 61-65 column 3, lines 1-20 column 3, line 51 - column 4, line 11 column 4, lines 26-59 column 5, lines 9-67 column 6, lines 28-30 claims 1-39; example 1</p> <p style="text-align: center;">-----</p>	<p>1-5,11, 13-18, 21,23,24</p>
A	<p>US 2002/091433 A1 (DING NI ET AL) 11 July 2002 (2002-07-11) the whole document</p> <p style="text-align: center;">-----</p>	<p>1-24</p>
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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