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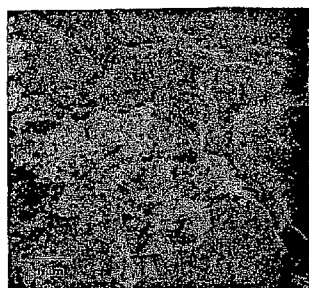
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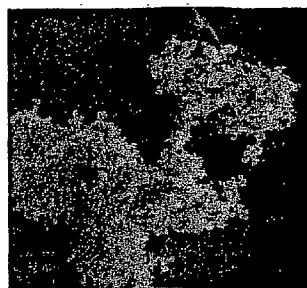
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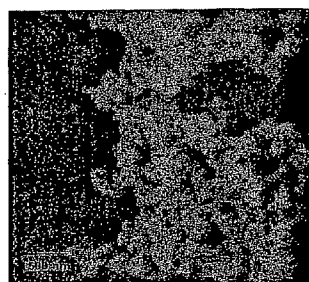
(54) Title: REPEAT SEQUENCE PROTEIN POLYMER NANOPARTICLES OPTIONALLY CONTAINING ACTIVE AGENTS AND THEIR PREPARATION



(A)



(B)



(C)



(D)

(57) Abstract: A nanocomposite of a repeat sequence protein polymer, such as a copolymer of silk and elastin, is produced by Supercritical Antisolvent Precipitation with Enhanced Mass Transfer (SAS-EM). The nanocomposite may include an active agent, such as a protein or hormone, that is releasably bound to the repeat sequence protein polymer.

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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.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/004160

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K9/16 A61K9/51 A61K47/42

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)
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, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004/104021 A (DOW CORNING & GENENCOR) 2 December 2004 (2004-12-02) claims examples 8,9 page 13, line 10 - line 15 -----	1-21
A	WO 01/87267 A (GEL-DEL) 22 November 2001 (2001-11-22) claims example 26 table A page 38, line 14 - line 18 page 42, line 17 - line 24 page 51, line 3 - line 15 -----	1-21

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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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

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2004104021 A	02-12-2004	CA 2524710 A1 EP 1624864 A2 JP 2007503467 T	02-12-2004 15-02-2006 22-02-2007
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