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(54) Title: METHODS FOR IONICALLY CROSS-LINKING GELLAN GUM FOR THIN FILM APPLICATIONS AND MEDICAL DEVICES PRODUCED THEREFROM

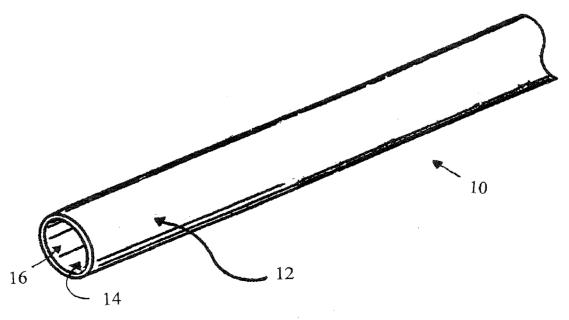


Figure 1

(57) Abstract: Methods are provided for producing ionically cross-linked gellan gum coatings and thin films for diverse applications, including medical devices such as implantable vascular grafts, stent-grafts and/or stents.



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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  IPC(8) - B05D 7/00, A61F 2/82, B05D 3/10 (2008.04)  USPC - 623/1.13, 427/2.24, 427/2.25, 427/337  According to International Patent Classification (IPC) or to both national classification and IPC			
	DS SEARCHED		
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X  Y	US 2005/0158359 A1 (EPSTEIN et al.) 21 July 2005 (2 [0010], [0011], [0014], [0016],[0022], [0027], [0031], [0016]		1, 3, 5, 19, 20, 23, 24, 26, 28, 36, 37, 40
			2, 4, 14, 25, 27, 34, 35, 38, 39, 41, 42
Y	US 2005/0220882 A1 (PRITCHARD et al.) 06 October [0124], [0129], [0139], [0141], [0151]	2005 (06.10.2005) para [0036], [0082],	2, 4, 25, 27, 41, 42
Y	US 2003/0224033 A1 (LI et al.) 04 December 2003 (04 [0073], [0075]	3.12.2003) para [0020], [0036], [0037],	14, 34, 35, 38, 39
Further documents are listed in the continuation of Box C.			
* Special categories of cited documents:  "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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## INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 07/86038

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)		
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:		
t	Claims Nos.:  Decause 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:		
	Claims Nos.: 6-13, 15-18, 21, 22 and 29-33 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.		
	As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.		
	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.:		
	No required additional search fees were timely paid by the applicant. Consequently, this international search report is estricted 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 and, where applicable, the payment of a protest fee.  The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.  No protest accompanied the payment of additional search fees.			

Form PCT/ISA/210 (continuation of first sheet (2)) (April 2007)