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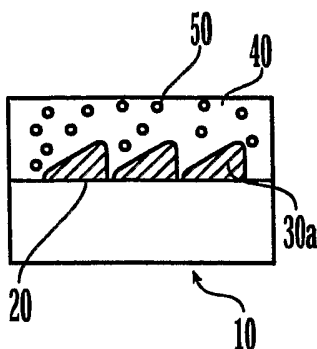
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(54) Title: MEDICAL DEVICE HAVING A COATING LAYER WITH STRUCTURAL ELEMENTS THEREIN AND METHOD OF MAKING THE SAME



(57) Abstract: The invention pertains to coated medical devices, such as stents and balloon catheters, for delivering a biologically active material to body tissue of a patient. The medical device has a coating layer comprising a biocompatible polymer, non-polymer material, or biologically active material disposed on its surface, and at least one structural element embedded within the coating layer. The structural elements reduce the compressibility of the coating layer. The structural element may be any shape or configuration. A biologically active material may be dispersed within the coating layer or structural elements. Methods for making such medical devices are also disclosed.

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**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: A61F 2/06( 2006.01)  
A61M 29/00( 2006.01)

USPC: 623/1.42-1.46

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. : 623/1.42-1.46

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)  
EAST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0219562 A1 (Rypacek et al.) 27 November 2003; Fig. sections 0078-0083.	1, 16 and 28
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Y	whole document	2-15, 17-27 and 29-36

Further documents are listed in the continuation of Box C.

See patent family annex.

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"&" document member of the same patent family

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