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TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,

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(54) Title: MEDICAL DEVICES HAVING POROUS COMPONENT FOR CONTROLLED DIFFUSION

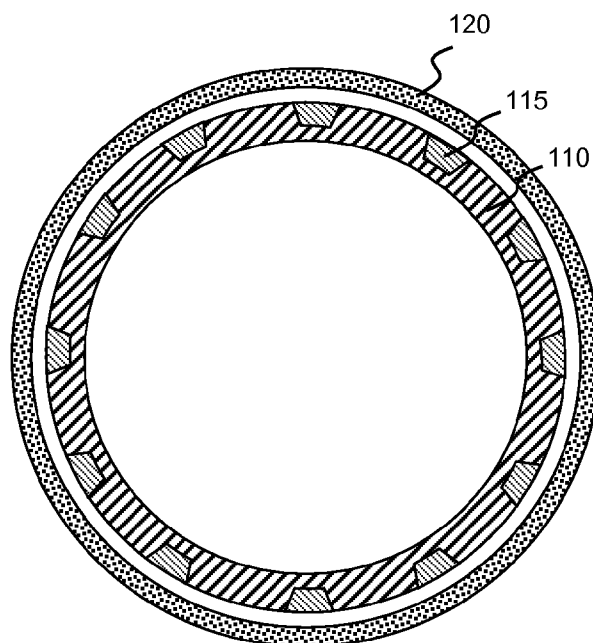


Fig. 1C

(57) Abstract: According to an aspect of the present invention, implantable or insertable medical devices are provided which contain the following: (a) substrate having one or more depressions that contain at least one therapeutic agent and (b) a porous membrane disposed over the substrate and the one or more depressions, which regulate transport of chemical species between the therapeutic-agent-containing depressions and the exterior of the device. The substrate and the porous membrane are formed of different materials each with a different thermal expansion coefficient. Moreover, one of the substrate and the porous membrane at least partially surrounds the other. Other aspects of the present invention are directed to methods of making such medical devices, and methods of treatment using such medical devices.



MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI
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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)
A61L

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/028243 A1 (BATES BRIAN L [US] ET AL BATES BRIAN L [US] ET AL) 6 February 2003 (2003-02-06) paragraphs [0012], [0015], [0022]; claim 1 -----	1-11, 13-20
X	US 2007/224116 A1 (CHANDRASEKARAN CHANDRU [US] ET AL) 27 September 2007 (2007-09-27) claim 1 -----	1-23
A	WO 98/52494 A1 (GRIFFITH DONALD P [US]) 26 November 1998 (1998-11-26) page 3, line 20 - line 25 page 4, line 9 - line 16 page 5, line 14 - line 16 ----- -/--	1-23

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

☒ See patent family annex.

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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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INTERNATIONAL SEARCH REPORT

Information on patent family members

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