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(54) Title: BIOSENSOR MEMBRANE MATERIAL

(57) Abstract: Embodiments of the present invention provide various multipolymers and permselective membranes for use with biosensors and other implantable medical devices and prostheses. Embodiments of the present invention may provide structural strength and integrity, and further may control the influx of glucose, oxygen and/or water. Embodiments of the present invention may, for example, minimize or reduce the influx of glucose by minimizing the percentage of hydrophilic segments, which in turn minimizes the percentage of water uptake and the degree of glucose transport.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/66332

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **C08G 77/42(2006.01),77/448(2006.01)**

 USPC: **525/474,462**
 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. :

 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

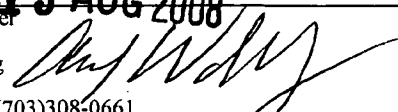
 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 WEST, hydrophilic diol, hydrophobic diol, polycarbonate, polyorganosiloxane, drug delivery apparatus, polyurethane

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,962,620 A (RIECH et al.) 5 October 1999 (05.10.1999) col. 4, lines 5-42, col. 6, line 4 to col. 7, line 8, col. 8, line 57 to col. 9, line 12 and Examples.	1, 4, 6-9, 16, 21-22 ----- 2-3, 17-20, 39-40, 41
--- Y	WO 9405361 A1 (HILDEBRAND et al.) 17 March 1994 (17.03.1994) page 4, line 36 to page 6, line 23 and page 10, line 19 to page 12, line 14	----- 41

Further documents are listed in the continuation of Box C. See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"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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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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