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(54) Title: DURA SUBSTITUTE AND A PROCESS FOR PRODUCING THE SAME

(57) Abstract: The invention relates to *dura* substitutes to be used as prostheses for dural defects in the field of neurosurgery and processes for producing the same. The present invention provides artificial *dura mater* materials comprising sheets of microbial-derived polysaccharide processed to have the necessary strength characteristics, conformability and physical properties.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: C12P 19/04(2006.01);A61F 13/00(2006.01);A61K 31/717(2006.01)

USPC: 435/101;424/443;514/57

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. : 435/101;424/443;514/57

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)
USPAT, USPGPUB, EPO, JPO, DERWENT; key words: dura, cellulose, acetobacter

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 2002/0107223 A1 (OSTER et al) 08 August 2002 (08.08.2002), see whole document.	1-10, 13-24 ----- 11, 12, 26-33
X --- Y	US 5,580,348 A (BLANEY et al) 03 December 1996 (03.12.1996), see whole document.	1-10, 13-19 ----- 26-33
Y	US 4,942,128 (BROWN, JR.) 17 July 1990 (17.07.1990), column 3, lines 55-59.	11, 25

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

☐ See patent family annex.

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"E" earlier application or patent published on or after the international filing date	"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	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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