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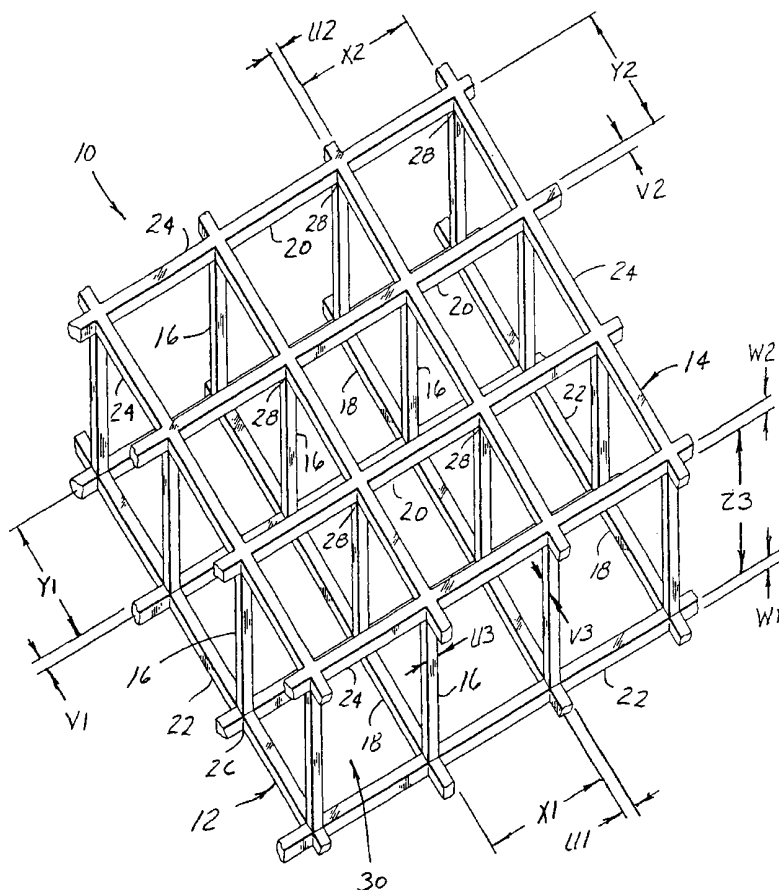
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POROUS THREE DIMENSIONAL STRUCTURE



(57) Abstract: A porous three dimensional structure (10) for implantation in a host animal capable of producing an inflammatory foreign body response. The structure includes first and second layers (12, 14) spaced by a plurality of posts (16) having a predetermined length connecting the first and second layers. Each of the layers has a plurality of openings (18, 20) of a predetermined size permitting fluids and inflammatory cells of the animal to pass through the openings and migrate into an interior volume (30) defined by the first and second layers. The size of the openings and length of the posts promote a non-flattened morphology of the cells. The structure promotes vascularization adjacent to the structure when implanted into the animal.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61F 2/02

US CL : 623/23.72; 427/2.24

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. : 623/23.72; 427/2.24

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,348,788 A (WHITE) 20 September 1994, Fig. 8.	1-3
A	US 5,496,372 A (HAMAMOTO et al) 05 March 1996, whole document.	1-44
A	US 5,807,406 A (BRAUKER et al) 15 September 1998, whole document.	1-44

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

* Special categories of cited documents:	*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
*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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