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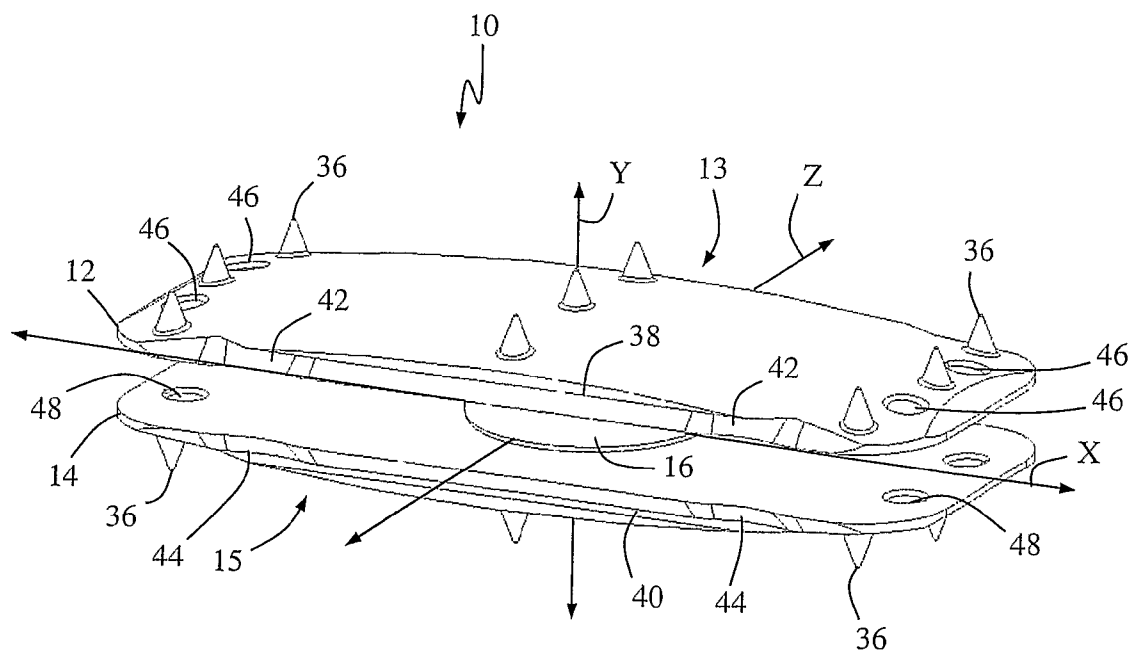
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(54) Title: TOTAL DISC REPLACEMENT SYSTEM AND RELATED METHODS



(57) Abstract: Total disc replacement systems and related methods involving a lateral, trans-psoas surgical approach to the spine while performing at least one of continuous and intermittent intra-operative neural monitoring of the psoas muscle to avoid injury during introduction.

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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.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/29196

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61B 17/56(2007.01);A61F 2/44(2007.01)

USPC: 623/17.15;606/99

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. : 623/17.15, 17.11, 17.14, 17.16 ; 606/99

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)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,676,701 A (YUAN et al) 14 October 1997 (14.10.1997), column 3, lines 11-26 and Figures 1, 9, 12 and 13.	1-33
Y	US 6,063,088 A (WINSLOW) 16 May 2000 (16.05.2000), column 8, line 50 - column 10, line 44 and Figures 1, 1A, 11 and 12.	1-33

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

☐ See patent family annex.

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Continuation of B. FIELDS SEARCHED Item 3:
EAST
search terms: vertebr\$2, intervertebral, implant, disc, psoas, neural