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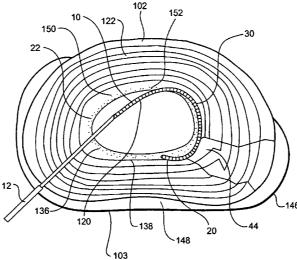
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(54) Title: APPARATUS AND METHOD FOR ACCESSING AND PERFORMING A FUNCTION WITHIN AN INTERVERTEBRAL DISC



(57) Abstract: Apparatus and methods are disclosed for accessing the interior of an intervertebral disc to perform a function within the disc. The apparatus comprises a catheter having a lumen; and a guide wire having a distal portion and a proximal portion, and configured to be positioned within and moved relative to the lumen of the catheter; wherein the guide wire is capable of navigating itself within an intradiscal section of the intervertebral to a selected section of the disc and the catheter is capable of being advanced relative to the guide wire such that the catheter follows a path of the guide wire within the intradiscal section of the disc to the selected section. These apparatus and methods may be used for the treatment of intervertebral disc disorders such as sealing fissures of the annulus fibrosus, which may or may not be accompanied with contained or escaped extrusions. These apparatus and methods may also be used for the removal or addition of material to the intervertebral disc.



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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61B17/00 A61B A61B17/32 A61B18/08 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61B 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 C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. WO 98 17190 A (ASHLEY JOHN ; LE LE T (US); χ 1-11.SALL JOEL (US); SAAL JEFFREY (US); SHAR) 15 - 3830 April 1998 (1998-04-30) cited in the application page 16, line 6 - line 21; figures 3A,,4 US 6 010 493 A (SNOKE PHILLIP JACK) 1-11.Α 4 January 2000 (2000-01-04) 15-19, 21-27 column 7, line 23 - line 29 Α US 5 472 426 A (WARE PHILIP J ET AL) 1-11, 5 December 1995 (1995-12-05) 15-19.21-27 column 4, line 63 -column 5, line 7; figure 22 Further documents are listed in the continuation of box C. Patent family members are listed in 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 *A* document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the "E" earlier document but published on or after the international "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 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other, such documents, such combination being obvious to a person skilled in the art. other means "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 25 September 2001 08/10/2001 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Moers, R Fax: (+31-70) 340-3016

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