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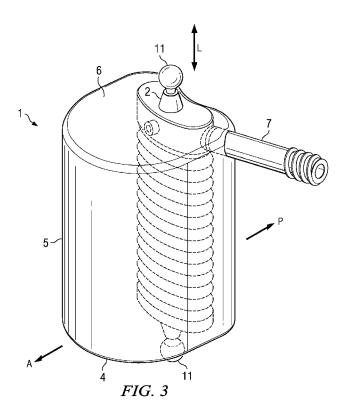
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### (54) Title: MINIMALLY INVASIVE EXPANDABLE CONTAINED VERTEBRAL IMPLANT AND METHOD



(57) Abstract: Embodiments of the invention include expandable, implantable devices and methods. Devices expand linearly within the volume of a membrane and laterally to provide secure fixation between or among anatomical structures. In some embodiments, an implant replaces one or more vertebral bodies, or portions of vertebral bodies, of the spine.

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- ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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a. classification of subject matter INV. A61F2/44 ADD. 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) A61F 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 Category\* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 2004/249462 A1 (HUANG SHIH-SHING [TW]) X 1,3-6,9 December 2004 (2004-12-09) 11-13 paragraphs [0014], [ 0018], [0021], [ 0024] X WO 2006/053210 A1 (MEDTRONIC INC [US]) 1 18 May 2006 (2006-05-18) page 9, line 14 - line 17 page 6, line 18 - page 7, line 2 WO 2008/148210 A1 (UNIV MCGILL [CA]; Α 1 JARZEM PETER [CA]; OUELLET JEAN [CA]; FERRONE MARCO) 11 December 2008 (2008-12-11) paragraph [0033]; figure 1 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 "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date 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 "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means 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 20/12/2010 9 December 2010 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, Korth, C Fax: (+31-70) 340-3016

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International application No PCT/US2010/031071

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