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(54) Title: BIOACTIVE FUSION DEVICE

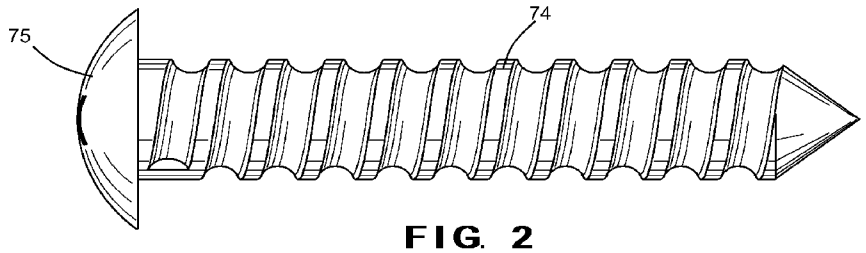


FIG. 2

(57) Abstract: In a first broad aspect, there is provided herein a bioactive device and system for fusion between two bones, two parts of a bony joint, or a bony defect, such as of the spine. The fusion device includes a screw having a head and a threaded shaft. The fusion device also includes a bone dowel having an internal bore of which at least a distal portion is threaded to engage the threads of the screw shaft. The bone dowel is made of a bone-like, biocompatible, or allograft material to provide a layer of bone-like, biocompatible, or allograft material between the screw and the spinal bone. The device is generally coaxial and is further described in the drawings and description herein.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/024033

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61B 17/86 (2013.01)
USPC - 606/310
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)
IPC(8) - A61B 17/58, 17/68, 17/70, 17/86; A61F 2/44, 2/28 (2013.01)
USPC - 606/247, 248, 249, 300, 301, 302, 304, 306, 309, 310, 313, 322; 623/17.11

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
CPC - A61B 17/56, 17/58, 17/68, 17/68/3, 17/68/5, 17/68/6, 17/70, 17/84, 17/86 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Orbit.com, Google Patents, Google Scholar

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2011/0319946 A1 (LEVY et al) 29 December 2011 (29.12.2011) entire document	1-30
Y	US 2011/0144766 A1 (KALE et al) 16 June 2011 (16.06.2011) entire document	1-30
Y	US 2011/0295319 A1 (DUPLESSIS et al) 01 December 2011 (01.12.2011) entire document	9, 16, 17
Y	US 2009/0036926 A1 (HESTAD) 05 February 2009 (05.02.2009) entire document	18-21
Y	US 2008/0300634 A1 (GRAY) 04 December 2008 (04.12.2008) entire document	22-30

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

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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