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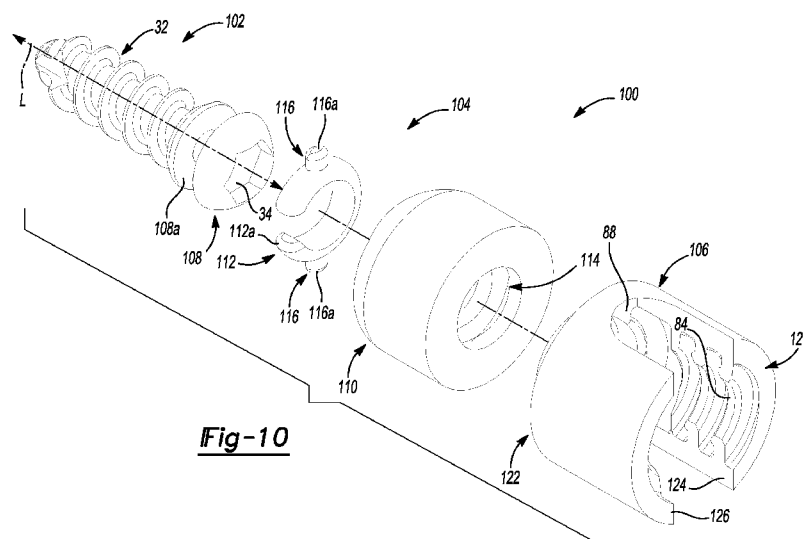
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[Continued on next page]

(54) Title: MULTIPLANAR BONE ANCHOR SYSTEM

**Fig-10**

(57) Abstract: The present teachings provide one or more surgical implements for repairing damaged tissue, such as in the case of a spinal fixation procedure. A bone anchor is provided. The anchor can include a bone fastener. The bone fastener can include a head and a second end adapted to engage an anatomy. The bone fastener can extend along a longitudinal axis. The anchor can also include a coupling arrangement coupled to the head of the bone fastener so that the bone fastener is rotatable about the longitudinal axis to define a first plane of motion. The anchor can further include a saddle, which can be coupled to the coupling arrangement. The saddle can be movable relative to at least one of the bone fastener and the coupling arrangement to define a second plane of motion.



**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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A. CLASSIFICATION OF SUBJECT MATTER*A61B 17/84(2006.01)i, A61B 17/86(2006.01)i, A61B 17/70(2006.01)i*

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)

A61B 17/84; A61F 2/30; B23P 11/00; A61B 17/58; A61B 17/70; A61B 17/86; A61B 17/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: multiplanar anchor, bone fastener, slot, saddle, bearing, friction surface

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0241170 A1 (CAMMISA, FRANK et al.) 23 September 2010 See abstract; figs. 2, 3; paragraphs 34, 36; claims 1, 4.	1-20
A	US 2008-0009862 A1 (HOFFMAN, ZACHARY M. et al.) 10 January 2008 See abstract; figs. 2, 3; paragraphs 23, 24, 25; claims 1, 4.	1-20
A	US 2008-0119857 A1 (POTASH, ROBERT et al.) 22 May 2008 See abstract; figs. 8a-8f; paragraphs 45, 47, 48; claim 1.	1-20
A	US 2010-0100137 A1 (JUSTIS, JEFF et al.) 22 April 2010 See abstract; fig. 21; paragraph 80; claims 1, 23.	1-20
A	US 2011-0093021 A1 (FANGER, JONATHAN et al.) 21 April 2011 See abstract; figs 1, 2; paragraphs 20, 21; claim 1.	1-20



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"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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