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(54) Title: REINFORCED ANCHORS AND METHODS OF TISSUE REPAIR

(57) Abstract: Reinforced surgical constructs and methods of reinforced anchor fixation in bone, as well as associated surgical repairs are disclosed. A reinforcement (anchoring device) is loaded onto a fixation device. The fixation device can be a knotless fixation device such as a hard-body anchor, or a knotless soft anchor such as an all-suture knotless anchor. The reinforcement can consist of an anchoring device that integrates with the fixation device, to improve and aid the fixation of the device into an existing tissue hole.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 24/31804

A. CLASSIFICATION OF SUBJECT MATTER

IPC - INV. A61B 17/04, A61B 17/064 (2024.01)

ADD.

CPC - INV. A61B 17/0401, A61B 17/0466, A61B 17/0487

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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)

See Search History document

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

See Search History document

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

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,584,835 A (GREENFIELD); 17 December 1996 (17.12.1996); entire document, especially Abstract, Fig. 1, 5; col. 7, ln 2-12; col. 7, ln 55-65; col. 8, ln 24-27.	1, 8-10, 12, 20
X	US 11,344,290 B1 (NINH); 31 May 2022 (31.05.2022); entire document, especially Figs. 2A, 3, 4A-B; Abstract; col. 1, ln 36-39; col. 2, ln 54-55; col. 4, ln 8-40.	1-6, 11-15, 17-19, 21
X	US 2014/0249577 A1 (HOWMEDICA OSTEONICS CORP.); 4 September 2014 (04.09.2014); entire document, especially Fig. 1B, 5, para. [0003], [0040]-[0044], [0056].	1, 5-7, 12, 16
A	US 2014/0288597 A1 (TORNIER, INC.); 25 September 2014 (25.09.2014); entire document, especially Abstract, Fig. 4A, para. [0183], [0199]-[0200], [0260], [0428].	1-21
A	US 2020/0054439 A1 (ARTHREX, INC.); 20 February 2020 (20.02.2020); entire document.	1-21
A	US 2007/0005068 A1 (SKLAR); 4 January 2007 (04.01.2007); entire document.	1-21



Further documents are listed in the continuation of Box C.



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