

Title (en)
INTRA JOINT STABILIZATION CONSTRUCT

Title (de)
GELENKINTERNES STABILISIERUNGSKONSTRUKT

Title (fr)
CONSTRUCTION DE STABILISATION INTRA-ARTICULAIRE

Publication
EP 3716862 A4 20210728 (EN)

Application
EP 17933290 A 20171201

Priority
US 2017064173 W 20171201

Abstract (en)
[origin: WO2019108222A1] The disclosure provides devices and methods of use pertaining to intra joint stabilization. Embodiments include a number of suture returning and suture locking anchors that feature elongated sleeves configured to protect the associated bone tunnels from suture wiper, which results in abrasion and enlargement of the bone tunnel and leads to migration of the suture anchors. Embodiments also include suture locking anchors that lock via an interference fit between the suture strand and a receiver of the anchor and a set screw, where the receiver and the set screw each feature a number of gradual, opposing tapers to facilitate gradual proximal-to-distal gripping and releasing of the suture strand to achieve an optimal locking force while preventing severing of the suture strand. Further embodiments include intra joint reinforcement and stabilization constructs formed using the disclosed devices. Other embodiments are disclosed.

IPC 8 full level
A61B 17/00 (2006.01); **A61B 17/04** (2006.01); **A61B 17/68** (2006.01); **A61B 17/70** (2006.01); **A61B 17/80** (2006.01); **A61B 17/84** (2006.01); **A61B 17/86** (2006.01); **A61F 2/00** (2006.01); **A61F 2/08** (2006.01)

CPC (source: EP)
A61B 17/0401 (2013.01); **A61B 17/683** (2013.01); **A61B 17/7055** (2013.01); **A61B 17/0485** (2013.01); **A61B 17/8061** (2013.01); **A61B 17/842** (2013.01); **A61B 17/8645** (2013.01); **A61B 2017/0404** (2013.01); **A61B 2017/0409** (2013.01); **A61B 2017/0414** (2013.01); **A61B 2017/044** (2013.01); **A61B 2017/0453** (2013.01); **A61B 2017/0458** (2013.01)

Citation (search report)
• [X] US 2010262185 A1 20101014 - GELFAND JEFFREY [US], et al
• [X] US 2016022320 A1 20160128 - JACKSON ROGER P [US], et al
• [X] US 2015351809 A1 20151210 - JACKSON ROGER P [US], et al
• [X] WO 2006130179 A2 20061207 - JACKSON ROGER P [US]
• See references of WO 2019108222A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2019108222 A1 20190606; AU 2017441106 A1 20200611; CA 3083418 A1 20190606; EP 3716862 A1 20201007; EP 3716862 A4 20210728; JP 2021511849 A 20210513; JP 2022174290 A 20221122; JP 7221290 B2 20230213

DOCDB simple family (application)
US 2017064173 W 20171201; AU 2017441106 A 20171201; CA 3083418 A 20171201; EP 17933290 A 20171201; JP 2020529754 A 20171201; JP 2022150035 A 20220921