

Title (en)

METHOD FOR CREATING A BONE-FRAGMENT-SPECIFIC DRILLING JIG SET FOR THE FORMATION OF DRILLED HOLES FOR A PERFORATED OSTEOSYNTHESIS PLATE, AND CORRESPONDING DEVICE AND DRILLING JIG SET

Title (de)

VERFAHREN ZUM ERSTELLEN EINES KNOCHENFRAGMENTSPEZIFISCHEN BOHRLOCHSCHABLONENSATZES ZUM BILDEN VON BOHRLÖCHERN FÜR EINE GELOCHTE OSTEOSYNTHESEEINRICHTUNG UND ENTSPRECHENDE VORRICHTUNG SOWIE BOHRLOCHSCHABLONENSATZ

Title (fr)

PROCÉDÉ DE CRÉATION D'UN ENSEMBLE GABARIT DE FORAGE SPÉCIFIQUE À UN FRAGMENT D'OS POUR LA FORMATION DE TROUS PERCÉS POUR UNE PLAQUE D'OSTÉOSYNTHESE PERFORÉE, ET DISPOSITIF ET ENSEMBLE DE GABARIT DE FORAGE CORRESPONDANTS

Publication

**EP 4051142 A1 20220907 (DE)**

Application

**EP 20811993 A 20201120**

Priority

- DE 102019218856 A 20191204
- EP 2020082956 W 20201120

Abstract (en)

[origin: WO2021110444A1] The invention makes available a method for creating a bone-fragment-specific drilling jig set for the formation of drilled holes for an osteosynthesis plate. The method involves a virtual presentation of a repositioned arrangement of a first and a second bone fragment (K1, K2) for the reconstruction of an intact form of a bone (K); a virtual arrangement of a perforated osteosynthesis plate (OP), which has been selected and is to be used, on the repositioned arrangement; an at least partial virtual imaging of the hole arrangement (LA) of the selected osteosynthesis plate (OP) arranged on the repositioned arrangement; creation of data of a first drilling jig (S1) with a first drilling jig hole arrangement (LA1') for the formation of drilled holes (BL) on the first bone fragment (K1), and creation of data of a second drilling jig (S2) with a second drilling jig hole arrangement (LA2') for the formation of drilled holes (BL) on the second bone fragment (K2; K2'). The data of the drilling jigs (S1, S2) are created in such a way that these have a respective associated mechanical and/or optical indicator device (KO1, KO2) which permits low-tolerance or tolerance-free positioning. (Fig. 1e)

IPC 8 full level

**A61B 17/58** (2006.01); **A61B 17/00** (2006.01); **A61B 17/56** (2006.01)

CPC (source: EP)

**A61B 17/56** (2013.01); **A61B 17/58** (2013.01); **A61B 2017/00526** (2013.01); **A61B 2017/564** (2013.01); **A61B 2017/568** (2013.01)

Citation (search report)

See references of WO 2021110444A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102019218856 A1 20210610**; EP 4051142 A1 20220907; WO 2021110444 A1 20210610

DOCDB simple family (application)

**DE 102019218856 A 20191204**; EP 2020082956 W 20201120; EP 20811993 A 20201120