Title (en)

ANGULAR CONNECTOR/MILLING CUTTER

Title (de)

WINKELSTÜCK/FRÄSE

Title (fr)

RACCORD ANGULAIRE/FRAISE

Publication

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Application

EP 13736744 A 20130621

Priority

- AT 7282012 A 20120628
- AT 2013050123 W 20130621

Abstract (en)

[origin: WO2014000007A1] The invention relates to a device for continuously lengthening a blind bore that has been made in a hard tissue, in particular a jaw bone (24), comprising a working tool (6), for example an angular connector having an angular connector head (21), with a shaft (5) arranged thereon and with a distal working head (20) arranged at the end of the shaft (5) in order to machine the jaw bone (24), further comprising a hollow body or tubular body (1) which can be placed into the blind bore and which forms a pressure chamber (7), the hollow body (1) being designed such that it can be sealingly placed into the bone bore or such that means for sealingly placing the hollow body into the bone bore are provided on the hollow body (1). The hollow body (1) has a preferably cylindrical internal hollow chamber (12) with a distal working opening (2), which is in proximity to the bone (24) during operation, and with an entry opening (3) for the shaft (5), which lies opposite the working opening (2), wherein a sealed pressure chamber (7) can be formed in the hollow chamber (12), a connection (8) being provided for applying an internal pressure in the pressure chamber (7), wherein the shaft (5) can be introduced into the hollow chamber (12) via the entry opening (3) and the distal working head (20) of the shaft (5) can be at least partially retracted via the working opening (2) in order to machine the jaw bone (24). The invention is characterised in that the working tool (6) and the hollow body (1) are connected so as to form a common unit and in that displacement means (22) and/or a displacement mechanism (22) are/is provided in or on the device in order to axially displace the shaft to and fro and in order to linearly advance the shaft (5) in the hollow chamber (12) along the longitudinal axis of the shaft (5) and of the hollow chamber (12).

IPC 8 full level

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Citation (examination)

- WO 2012061854 A1 20120518 - JEDER GMBH [AT], et al
- WO 2010048648 A1 20100506 - EDER KLAUS [AT]
- EP 2422737 A1 20120229 - W & H DENTALWERK BUERMOOS GMBH [AT]
- US 2010094297 A1 20100415 - PARMIGIANI CORRADO SAVERIO [IT]
- See also references of WO 2014000007A1

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