

Title (en)
CUTTING DEVICE FOR BONE TISSUE

Title (de)
TRENNVORRICHTUNG FÜR KNOCHENGeweBE

Title (fr)
DISPOSITIF DE SEPARATION DE TISSU OSSEUX

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Application
EP 02727287 A 20020404

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Abstract (en)
[origin: WO02085223A1] The invention relates to a cutting device (1), which is provided for cutting bone tissue (3), is intended for correcting malpositions, and which enables a segment of the bone tissue (3) to be cut along a predetermined cut surface (5). To this end, a high-pressure fluid jet (2) is produced by the cutting device (1), and the jet produces, in accordance with a control program stored in a control unit (4), a cut surface (5), for example, in the shape of a circular arc. The bone parts (6, 7) created in this manner can thus be fixed in a corrective position (8) with little effort and without significant loss of material. A means (9), which is equipped with a supply line (14) for supplying rinsing liquid and with a suction line (13), is provided for collecting the fluid, and at the same time reliably reduces the energy remaining in the high-pressure fluid jet (2). A cut surface (5) having a freely selectable shape can be produced by the cutting device (1) and can be obtained without any difficulties by using automated handling systems. This enables a significant broadening of the field of application and of the freedom in design for the operator together with a use that preserves bone tissue.

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