

Title (en)
CIRCULAR FINAL TRIMMING SAW HAVING DIRECT DRIVE

Title (de)
FORMATKREISSÄGE MIT DIREKTANTRIEB

Title (fr)
SCIE CIRCULAIRE À DÉLIGNER AVEC ENTRAÎNEMENT DIRECT

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Application
EP 10754338 A 20100916

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Abstract (en)
[origin: WO2011033038A1] The invention relates to a circular final trimming saw (1), comprising a contact surface (10) for receiving a workpiece (100), a circular saw unit having a circular saw blade clamping unit (31, 32) rotationally supported about a rotary axis (21) disposed below the contact surface (10), wherein a circular saw blade (20) can be clamped in a circular saw blade plane (23), and a drive unit coupled to the circular saw blade clamping unit (31, 32) so that a rotational motion of the drive unit can be transferred to the circular saw blade clamping unit (31, 32), a pivot bearing pivotally supporting the circular saw unit about a pivot axis perpendicular to the axis of rotation (21) and parallel to the circular saw blade plane (23), and an adjusting device adjusting the circular saw blade clamping unit between a first, lowered position and a second, raised position, in which the circular saw blade clamping unit (31, 32) is closer to the contact surface (10) than in the first, lowered position. According to the invention, the drive unit is a drive motor (40) having a rotary axis directly coupled to the circular saw blade clamping unit (31, 32). The invention further relates to a corresponding method for driving a circular saw blade (20) of a final trimming saw.

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