

Title (en)

Device for cutting material and cutting unit with an oscillating cutting blade and variable cutting angle

Title (de)

Vorrichtung zur schneidenden Bearbeitung von Material und Schneideinheit mit oszillierendem Schneidmesser und veränderlichem Schnittneigungswinkel

Title (fr)

Dispositif d'usinage à découpe de matériaux et unité de découpe dotée d'une lame de coupe oscillante et d'un angle d'inclinaison de coupe variable

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Application

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Abstract (en)

[origin: CA2847195A1] The invention relates to a device (10) for the cutting of material (12) on a plane material supporting surface (20), the device (10) having at least one cutting unit (30) which can be motor-driven in a controlled manner above the material supporting surface (20) in the direction of the X- and Y-axis of a Cartesian coordinate system that is parallel to the material supporting surface (20), and having an oscillation drive (36) and a cutting knife (32), wherein the oscillation drive (36) sets the cutting knife (32) into linear oscillations along an oscillation axis (46) that is perpendicular to the advancing direction of the cutting knife (32). In order to be able to produce slanting cuts (114) or V-grooves in the material (12) with the oscillating cutting knife (32) according to the invention the oscillating drive (36) with the cutting knife (32) is pivotable around a pivot axis (106) that is parallel to the material supporting surface (20) for changing the angle of inclination of the oscillation axis (46) with respect to the material supporting surface (20).

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