

Title (en)

DEVICE FOR GENERATING A ROTARY ULTRASONIC VIBRATION ON A TOOL

Title (de)

VORRICHTUNG ZUR ERZEUGUNG EINER ROTATORISCHEN ULTRASCHALLSCHWINGUNG AN EINEM WERKZEUG

Title (fr)

DISPOSITIF GÉNÉRATEUR D'UNE VIBRATION ULTRASONORE ROTATIVE AU NIVEAU D'UN OUTIL

Publication

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Application

EP 14724670 A 20140505

Priority

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Abstract (en)

[origin: WO2014180786A1] The invention relates to a device (1) for generating a rotary ultrasonic vibration on a tool, comprising a first part (11), which is designed for being connected to and for rotating with a spindle of a machine tool that rotates about an axis of rotation (2), a second part (12), which is designed for being connected to and for rotating with a tool, a claw coupling (10), which connects the two parts (11, 12) for rotation with one another and comprises a form fit of at least one first flank (5) on the first part (11) and at least one second flank (7), lying opposite the first flank (5), on the second part (12), and at least one piezoelectric oscillation element (8), arranged between the two flanks (5, 7) of the claw coupling (10), for generating the rotary ultrasonic vibration about the axis of rotation (2).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014180786A1

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