

Title (en)

ULTRASONICALLY EXCITED HONING TOOL AND PROCESS FOR READJUSTING IT.

Title (de)

ULTRASCHALLERREGTES HONWERKZEUG UND VERFAHREN ZU SEINER NACHJUSTIERUNG.

Title (fr)

OUTIL DE HONAGE EXCITE PAR ULTRASONS ET PROCEDE POUR SON RAJUSTAGE.

Publication

**EP 0633827 A1 19950118 (DE)**

Application

**EP 93903235 A 19930126**

Priority

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- EP 9300169 W 19930126

Abstract (en)

[origin: WO9319895A1] The description relates to a honing tool which oscillates at its natural frequency when ultrasonically excited. The free length is a whole multiple of half the ultrasonic oscillation wavelength. The formation of a working outline (KA?) in the excited state, formed by a cylindrical region (KZ?) and a conical region (KK?) succeeding it towards the free end (40) of the honing tool (1) is obtained in the position of rest by a correction outline (KV?) deviating therefrom which takes account of the curve of the amplitude of the oscillation component in the radial direction.

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IPC 8 full level

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CPC (source: EP)

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See references of WO 9319895A1

Cited by

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