

Title (en)

PROCESS, MACHINE AND TOOL FOR HONING WORK PIECES

Publication

EP 0219825 B1 19910515 (DE)

Application

EP 86114375 A 19861017

Priority

DE 3537009 A 19851017

Abstract (en)

[origin: EP0219825A2] In the honing process, which is suitable in particular for blind holes or stepped bores, a honing tool (11) is moved into the bore (40) with retracted, that is non-expanded, honing layers, is expanded to the finished size in or behind the bore and performs its working stroke during the return stroke (direction 39). Chip removal takes place in a cutting zone (33) and the calibration to the finished size takes place in the finishing zone (34). The tool has pivotably arranged honing sticks. In a variant, guide strips firmly arranged between the adjustable honing sticks and having an anti-wear layer can be provided. Provision is also made to work with oscillating short strokes to machine the bottom area of a blind hole.
<IMAGE>

IPC 1-7

B24B 33/08

IPC 8 full level

B24B 33/08 (2006.01)

CPC (source: EP)

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Cited by

DE4204585A1; DE4215988A1; FR2713123A1; EP0661136A1; WO9218287A1

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