

Title (en)
HONING MACHINE

Title (de)
HONMASCHINE

Title (fr)
MACHINE DE RODAGE

Publication
EP 3402629 A1 20181121 (DE)

Application
EP 16820253 A 20161221

Priority
• DE 102016200295 A 20160113
• EP 2016082093 W 20161221

Abstract (en)
[origin: WO2017121590A1] A honing machine (100) for honing bores in workpieces has a honing spindle (170), which honing spindle is mounted movably in a spindle housing (130), is rotatable about a spindle axis (172) by means of a rotary drive (150), can be driven in oscillation parallel to the spindle axis by means of a stroke drive, and, at a tool-side end, has a means for the fastening of a honing tool arrangement with an expandable honing tool. Furthermore, an expanding drive for expanding the honing tool is provided, wherein the expanding drive is connected to the spindle housing and is coupled to a feed rod (180) which runs in the interior of the honing spindle. The honing machine is characterized by a monocoque housing (150) which has a spindle housing section (150-1), which serves as spindle housing and which serves for accommodating the rotary drive (135), and an expanding system section (150-2), which is formed in one piece with the spindle housing section and which serves for accommodating the expanding drive (155).

IPC 8 full level
B24B 33/02 (2006.01)

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