

Title (en)

Device and method for fine machining of workpieces

Title (de)

Vorrichtung und Verfahren zur Feinbearbeitung von Werkstücken

Title (fr)

Dispositif et procédé de traitement précis de pièces à fabriquer

Publication

EP 2404703 B1 20130213 (DE)

Application

EP 10168417 A 20100705

Priority

EP 10168417 A 20100705

Abstract (en)

[origin: EP2404703A1] The device (10) has energy storages (42, 44) comprising gaseous medium that supports oscillating movement and provides gas pressure-dependent operating forces (76, 78). Movement of an oscillation unit (16) supports in traveling direction (28). A setting unit (86) sets gas pressure, and a controlling-or regulating unit (100) controls or regulates the setting unit. The controlling-or regulating unit provides a manipulated variable (108) that is determined based on mass of the oscillation unit, oscillation amplitude and/or an oscillation frequency. An independent claim is also included for a method for machining a workpiece.

IPC 8 full level

B24B 35/00 (2006.01); **B24B 1/04** (2006.01); **B24B 47/08** (2006.01)

CPC (source: EP)

B24B 1/04 (2013.01); **B24B 35/00** (2013.01); **B24B 47/08** (2013.01)

Cited by

CN111185836A; CN110480460A

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