

Title (en)
WORKPIECE GRINDER

Title (de)
VORRICHTUNG ZUM SCHLEIFEN VON WERKSTÜCKEN

Title (fr)
DISPOSITIF POUR MEULER DES PIECES A USINER

Publication
EP 0625083 B1 19960605 (DE)

Application
EP 93903917 A 19930205

Priority
• DE 4203434 A 19920206
• EP 9300280 W 19930205

Abstract (en)
[origin: WO9315877A1] In a device for grinding workpieces, in particular workpieces made of ceramic materials, by means of a grinding wheel (24) or the like, the workpiece (23) is oscillated transversely to the machining direction during grinding. At least one ultrasonic transducer (1), whose ultrasonic energy is used as exciting energy for the workpiece (23), is provided as a device (20) for generating the oscillating movement of the workpiece (23). An ultrasonic resonance space (2, 4) for amplitude transformation is provided between the ultrasonic transducer (1) and a sonotrode (5) which transmits the vibration to the workpiece (23).

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B24B 1/04; **B24B 41/06**

IPC 8 full level
B24B 41/04 (2006.01); **B24B 1/04** (2006.01); **B24B 41/06** (2006.01)

CPC (source: EP US)
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Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 9315877 A1 19930819; AU 3495493 A 19930903; CN 1078676 A 19931124; DE 4203434 A1 19930812; DE 4203434 C2 19940331; DE 59302828 D1 19960711; EP 0625083 A1 19941123; EP 0625083 B1 19960605; JP H07503668 A 19950420; PL 171656 B1 19970530; US 5540614 A 19960730

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