

Title (en)

POLISHING OR GRINDING MACHINE HAVING AN AXIALLY RECIPROCATING AND ROTATABLE TOOL SPINDLE

Publication

**EP 0045433 B1 19840502 (DE)**

Application

**EP 81105717 A 19810721**

Priority

DE 3029417 A 19800802

Abstract (en)

[origin: US4398374A] The grinding and polishing machine has a tool-carrying spindle (1) driven with a combined rotating and rocking action. It has a driving shaft (4) which is reciprocated axially and passes through a disc (8) which slopes at an acute angle. Above this disc is a second disc attached to the shaft, with a roller (5) attached to its periphery which rotates against the sloping disc. The tool spindle also passes through another sloping disc and through a plate (12) with a peripheral roller (16) which travels against this second sloping disc. The tool spindle carries an arm (13) with a dog projecting from it to fit into a hole in the plate to rotate the same. This plate also has a dog (14) which fits into a hole (15) in the disc attached to the driving shaft so that it transmits rotary movement for driving the tool spindle.

IPC 1-7

**B24B 47/16**

IPC 8 full level

**B24B 29/00** (2006.01); **B24B 47/16** (2006.01)

CPC (source: EP US)

**B24B 47/16** (2013.01 - EP US); **Y10T 74/18024** (2015.01 - EP US)

Citation (examination)

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