

Title (en)
DEVICE FOR CLAMPING A DISC-LIKE TOOL

Publication
EP 0324357 B1 19930519 (DE)

Application
EP 89100067 A 19890104

Priority
DE 3800437 A 19880109

Abstract (en)
[origin: JPH01216770A] PURPOSE: To make the whole device for clamping a disk-shaped tool lightweight and small-sized by setting a piston for releasably clamping a tool adjustable with a manual actuating mechanism from the end section on the tool side of a tool spindle. CONSTITUTION: The clamping device of a grinding disk 22 is provided with a first pressure cylinder having a first cavity 56 between a clamping anchor 46 and a tool spindle 20, a second pressure cylinder having a second cavity 70 arranged in the anchor 46 and a connecting channel 66 communicating the cavities 56, 70. When the holding screw 86 of a manual actuating mechanism is rotated from the end section on the tool side of the tool spindle 20, the piston 68 of the second pressure cylinder limiting the second cavity 70 and clamping the grinding disk 22 is pressed toward a clamping anchor head 50, and the first and second cavities 56, 70 are shrunk, thereby the grinding disk 22 is firmly pressed and fixed toward a flange 24 via a thrust bearing 94 and a clamping flange 82.

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B23Q 3/12; **B24B 23/02**; **B24B 45/00**

IPC 8 full level
B23Q 3/12 (2006.01); **B24B 23/02** (2006.01); **B24B 45/00** (2006.01)

CPC (source: EP US)
B24B 45/006 (2013.01 - EP); **Y10T 83/9379** (2015.04 - EP US)

Cited by
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CH DE ES FR GB IT LI NL SE

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