

Title (en)
POWER TOOL.

Title (de)
HANDWERKZEUGMASCHINE.

Title (fr)
OUTILLAGE ELECTRIQUE A MAIN.

Publication
EP 0583270 B1 19950719 (DE)

Application
EP 92908809 A 19920424

Priority
• DE 9200332 W 19920424
• DE 4113641 A 19910426

Abstract (en)
[origin: WO9219423A1] A power tool, in particular an angle grinder, has a housing (12) from which a drive spindle (13) with tool holder (14) projects. The drive spindle (13) is mounted in a bearing flange (15) with a projecting clamping collar (151). A guard (10) which at least partially covers the tool gripped in the clamping collar (151) is retained on the clamping neck (151) so as to remain fixed when the tool rotates. The guard (10) can be fastened to, and removed from, the clamping collar (151) without using additional tools. To this end, the guard (10) has a sleeve-shaped slip-on collar (17) which is pushed onto the clamping collar (151) and engages by means of radial projections (18) in an annular groove (19) in the latter. Axial grooves (22) in the clamping collar (151), which open into the annular groove (19), allow the slip-on collar (17) to be pushed onto the clamping collar (151) in a slip-on position which is rotationally different from the operative position of the guard (10). The radial projections (18) slide in the axial grooves (22). The guard (10) is locked in its operative position by mating members of a manually operated locking device (23) arranged on the slip-on collar (19) and on the clamping collar (151).

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B24B 55/05

IPC 8 full level
B24B 55/05 (2006.01); **B27G 21/00** (2006.01)

CPC (source: EP US)
B24B 55/052 (2013.01 - EP US)

Cited by
WO2009115142A1; WO2009115143A1; DE102008000732A1; DE102008000728A1; DE102008010977A1; US8512104B2; DE102008002548A1; DE102008002548B4

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