

Title (en)

Grinding disc with quick mount-and-release mechanism and disc grinder with such a grinding disc

Title (de)

Schleifteller mit Schnellspanneinrichtung sowie Tellerschleifer mit einem solchen Schleifteller& x9;

Title (fr)

Disque de ponçage avec dispositif de fermeture et de blocage rapide et ponceuse à disque avec une telle disque

Publication

EP 1795301 A1 20070613 (DE)

Application

EP 06023804 A 20061116

Priority

DE 102005060514 A 20051212

Abstract (en)

The grinder has a retaining device (7) that is provided for detachable fastening of a grinding disk (8) and effecting a rotary movement of the grinder during operation. The grinding disk is detachably fastened to the retaining device using plugging/swiveling connection device according to the type of bayonet connection. The retaining device has a part (9) with a protrusion (16) that projects outside in a radial direction and is arranged in the circumferential direction. The projection has an annular surface (17) lying in an axial direction from the grinding disk.

IPC 8 full level

B24B 23/02 (2006.01); **B24B 45/00** (2006.01); **B24D 7/16** (2006.01)

CPC (source: EP)

B24B 23/02 (2013.01); **B24B 45/006** (2013.01); **B24D 7/16** (2013.01)

Citation (applicant)

- DE 20205495 U1 20020801 - BRUNO SCHMITZ SCHLEIFMITTELWER [DE]
- WO 0176822 A1 20011018 - BOSCH GMBH ROBERT [DE], et al

Citation (search report)

- [X] DE 20205495 U1 20020801 - BRUNO SCHMITZ SCHLEIFMITTELWER [DE]
- [A] EP 1559509 A1 20050803 - FESTOOL GMBH [DE]
- [X] WO 0176822 A1 20011018 - BOSCH GMBH ROBERT [DE], et al
- [X] FR 2250609 A1 19750606 - LAZZARI GIOSUE [IT]

Cited by

FR3126193A1; US12031567B2; US11565370B2; ITUA20161640A1; CN104070506A; CN102814790A; CN114274044A; CN102814793A; CN115781516A; DE202010010653U1; US11346401B2; EP3216561A1; US2021040970A1; JP2021518278A; EP2050539A1; WO2017207007A1; WO2019179964A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

EP 1795301 A1 20070613; **EP 1795301 B1 20090311**; DE 102005060514 A1 20070614; DE 502006003079 D1 20090423; EP 2052813 A1 20090429; EP 2052813 B1 20120516

DOCDB simple family (application)

EP 06023804 A 20061116; DE 102005060514 A 20051212; DE 502006003079 T 20061116; EP 09000740 A 20061116