

Title (en)
ELECTRIC TOOL GRINDING MACHINE AND GRINDING DISC COVER

Title (de)
SCHLEIFMASCHINE FÜR ELEKTROWERKZEUG UND SCHLEIFSCHEIBENABDECKUNG

Title (fr)
MACHINE DE MEULAGE D'OUTIL ÉLECTRIQUE ET COUVERCLE DE DISQUE DE MEULAGE

Publication
EP 4368339 A1 20240515 (EN)

Application
EP 22206557 A 20221110

Priority
EP 22206557 A 20221110

Abstract (en)
An electric tool grinding machine (20) and a grinding disc cover (26) thereof, the machine (20) includes a grip body (21), an electric motor (22), a grinding disc (24), and an airflow generating member (25). When the motor (22) rotates, the member (25) forms a heat dissipation airflow (40) in the grip body (21). The grinding disc cover (26) is assembled with the grip body (21) and covers the member (25) therein. The grinding disc cover (26) includes a cover body (261), an assembly port (262), and a release port (263) facing the grinding disc (24), the cover body (261) does not have a vent hole other than the assembly port (262) and the release port (263), when the release port (263) is viewed from the assembly port (262) toward the release port (263), an inner wall of the release port (263) has a flow guiding section (264), an air outlet section (266) with a slope different from that of the flow guiding section (264), and an arcuate diversion section (265) connecting between the flow guiding (264) and air outlet sections (266).

IPC 8 full level
B24B 23/02 (2006.01); **B24B 55/10** (2006.01)

CPC (source: EP)
B24B 23/02 (2013.01); **B24B 55/10** (2013.01)

Citation (applicant)
• EP 2132000 B1 20120418 - KWH MIRKA AB OY [FI]
• EP 2946710 B1 20170830 - FESTOOL GMBH [DE]

Citation (search report)
• [A] US 2022297254 A1 20220922 - CHENG DING-YAO [TW], et al
• [A] US 2005170763 A1 20050804 - SUN YUNG-YUNG [TW], et al
• [A] US 2012289136 A1 20121115 - HUTCHINS DONALD H [US], et al
• [A] US 6257970 B1 20010710 - HUBER PAUL W [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

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