

Title (en)
Abrasive disc for grinding machine

Title (de)
Schleifteller für Schleifmaschine

Title (fr)
Disque abrasif pour machine à meuler

Publication
EP 1775071 A1 20070418 (DE)

Application
EP 06024083 A 20031121

Priority
• EP 03026759 A 20031121
• DE 20312499 U 20030811

Abstract (en)
An improved grinding, or cutting disc, for a hand power tool, e.g. an angle grinder, has aerodynamic holes (20) for an enhanced airflow through the disc to the extract ducts remove grinding dust and grit. The extract holes can be rounded, oval or any suitable shape and with sloping edges to enhance the blower effect, and are positioned between the central mounting hole (12) and the outer rim (14).

IPC 8 full level
B24D 7/06 (2006.01); **B24B 55/10** (2006.01); **B24D 7/12** (2006.01)

CPC (source: EP US)
B24B 55/102 (2013.01 - EP US); **B24D 7/06** (2013.01 - EP US); **B24D 7/12** (2013.01 - EP US)

Citation (applicant)
• EP 1074347 A2 20010207 - EHWA DIAMOND IND CO LTD [KR]
• EP 0557773 A1 19930901 - BOSCH GMBH ROBERT [DE]
• DE 20105199 U1 20020808 - DIEWE DIAMANTWERKZEUGE GMBH [DE]
• EP 1074347 A2 20010207 - EHWA DIAMOND IND CO LTD [KR]
• DE 4032069 A1 19910926 - NIED HANS RAINER [DE]
• DE 2145714 A1 19720323
• EP 0781629 A1 19970702 - JOEST PETER [DE]
• EP 1186379 A2 20020313 - THOLES SRL [IT]
• US 4616449 A 19861014 - MARTON MIKSA [CA]
• DE 4400550 A1 19950713 - KOLTEC AG [CH]
• DE 8902423 U1 19890629

Citation (search report)
• [DA] DE 20105199 U1 20020808 - DIEWE DIAMANTWERKZEUGE GMBH [DE]
• [DA] EP 1074347 A2 20010207 - EHWA DIAMOND IND CO LTD [KR]

Cited by
EP2305742A1; US8617628B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
US 2006189268 A1 20060824; US 7458884 B2 20081202; AT E354455 T1 20070315; AT E432148 T1 20090615; CA 2522113 A1 20050224; DE 20312499 U1 20041216; DE 50306585 D1 20070405; DE 50311561 D1 20090709; EP 1506841 A1 20050216; EP 1506841 B1 20070221; EP 1775071 A1 20070418; EP 1775071 B1 20090527; WO 2005016600 A1 20050224

DOCDB simple family (application)
US 54799104 A 20040714; AT 03026759 T 20031121; AT 06024083 T 20031121; CA 2522113 A 20040714; DE 20312499 U 20030811; DE 50306585 T 20031121; DE 50311561 T 20031121; EP 03026759 A 20031121; EP 06024083 A 20031121; EP 2004007755 W 20040714