

Title (en)
Abrasive tool

Title (de)
Schleifwerkzeug

Title (fr)
Outil abrasif

Publication
EP 1795303 A1 20070613 (DE)

Application
EP 06120537 A 20060912

Priority
• EP 05111767 A 20051207
• EP 06120537 A 20060912

Abstract (en)
The grinding tool (1) has a water permeable, flexible textile layer (3), to which an abrasive material, and a layer made of flexible foam, is applied. The abrasive material is made of binder and abrasive grain selected from the group consisting of diamond and cubic boron nitride. The abrasive material is applied to the flexible layer in specific amount with respect to wet state. The abrasive material is made of binder that is selected from the group consisting of phenolic resins, melamine resins, urea resins, epoxy resins, polyester resins, polyacrylate resins and polyurethane resins and mixture. Independent claims are included for the following: (1) method for producing grinding tool; and (2) method of use of grinding tool.

IPC 8 full level
B24D 3/00 (2006.01); **B24B 7/20** (2006.01); **B24B 7/22** (2006.01); **B24B 29/00** (2006.01); **B24D 9/08** (2006.01); **B24D 11/00** (2006.01); **B24D 15/02** (2006.01)

CPC (source: EP US)
B24B 7/22 (2013.01 - EP US); **B24B 29/00** (2013.01 - EP US); **B24D 3/002** (2013.01 - EP US); **B24D 9/08** (2013.01 - EP US); **B24D 11/00** (2013.01 - EP US); **B24D 11/005** (2013.01 - EP US); **B24D 15/023** (2013.01 - EP US)

Citation (search report)
• [XY] WO 2005102606 A1 20051103 - 3M INNOVATIVE PROPERTIES CO [US]
• [Y] US 5954844 A 19990921 - LAW KAM W [US], et al
• [XA] US 2005262773 A1 20051201 - SCHUTZ JAMES W [US], et al
• [Y] US 2005130568 A1 20050616 - WELYGAN DENNIS G [US], et al

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1795303 A1 20070613; EP 1795303 B1 20101117; EP 2305426 A1 20110406; US 2007128989 A1 20070607

DOCDB simple family (application)
EP 06120537 A 20060912; EP 10181613 A 20060912; US 56778906 A 20061207