

Title (en)

ABRASIVE TOOL, CUTTING TOOL OR THE LIKE, AND METHOD FOR MAKING SAME

Title (de)

SCHLEIFWERKZEUG, ZUM SCHNEIDEN OD. DGL. UND HERSTELLUNGSVERFAHREN DIESES WERKZEUGES

Title (fr)

OUTIL ABRASIF, DE COUPE OU ANALOGUE ET PROCEDE DE FABRICATION DE CET OUTIL

Publication

EP 0794850 A1 19970917 (FR)

Application

EP 95936389 A 19951106

Priority

- BE 9500101 W 19951106
- BE 9401028 A 19941116
- US 68037896 A 19960715

Abstract (en)

[origin: US5885149A] An abrasive tool and a method for its manufacture is provided in which the structural body of the tool, including both the central core and the outer, abrasive-containing portion, is fabricated of a homogeneous material, with abrasive particles dispersed throughout the consumable abrasive-containing portion to grindingly remove workpiece material during rotation of the structural body. A porous lattice of diamond grains encased in a cladding material is first formed by sintering as a continuous annulus or as arcuate segments. The skeletal lattice is then placed in a mold and a homogeneous material in liquid state is introduced into the mold to simultaneously form the central core and to flow into at least a portion of the porous lattice of clad diamond grains to provide an integrally molded, unity tool when the core material solidifies.

IPC 1-7

B24D 5/12; **B24D 11/00**

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN110461546A; AU2017388035B2; US6593391B2; WO2018125722A1; US10730164B2

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AT BE CH DE ES FR GB GR IT LI LU PT

DOCDB simple family (publication)

WO 9614963 A1 19960523; AT E180197 T1 19990615; AU 3836495 A 19960606; BE 1008917 A3 19961001; DE 69509788 D1 19990624; DE 69509788 T2 19991209; EP 0794850 A1 19970917; EP 0794850 B1 19990519; ES 2133821 T3 19990916; GR 3030933 T3 19991130; US 5885149 A 19990323

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