

Title (en)
ABRASIVE TOOLS

Title (de)
SCHLEIFWERKZEUGE

Title (fr)
OUTILS ABRASIFS

Publication
EP 1066134 B9 20021113 (EN)

Application
EP 99906733 A 19990204

Priority

- US 9902399 W 19990204
- US 4962398 A 19980327
- US 21884498 A 19981222

Abstract (en)
[origin: WO9948646A1] Abrasive tools suitable for precision grinding of hard brittle materials, such as ceramics and composites comprising ceramics, at peripheral wheel speeds up to 160 meters/second are provided. The abrasive tools comprise a wheel core (2) attached to an abrasive rim of dense, metal bonded superabrasive segments (8) by means of a thermally stable bond (6). A preferred tool for backgrinding ceramic wafers contains graphite filler and a relatively low concentration of abrasive grain (4).

IPC 1-7
B24D 5/06; **B24D 3/08**

IPC 8 full level
B24D 3/00 (2006.01); **B24D 3/08** (2006.01); **B24D 5/06** (2006.01)

CPC (source: EP)
B24D 3/08 (2013.01); **B24D 5/06** (2013.01)

Cited by
CN114650897A; US9937604B2; WO2014137463A1; US12064850B2; US11478898B2; US11806840B2; WO2021076986A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB IE IT LI NL SE

DOCDB simple family (publication)
WO 9948646 A1 19990930; AT E217235 T1 20020515; AU 2657399 A 19991018; AU 732575 B2 20010426; BR 9909194 A 20001205; CA 2324578 A1 19990930; CA 2324578 C 20041102; CN 1130274 C 20031210; CN 1294543 A 20010509; CZ 20003542 A3 20011212; DE 69901438 D1 20020613; DE 69901438 T2 20030227; DE 69901438 T4 20040722; DK 1066134 T3 20020909; DK 1066134 T5 20030106; EP 1066134 A1 20010110; EP 1066134 B1 20020508; EP 1066134 B9 20021113; ES 2174590 T3 20021101; HK 1034221 A1 20011019; HU 222463 B1 20030728; HU P0102438 A2 20011128; HU P0102438 A3 20011228; ID 25820 A 20001109; IL 138434 A0 20011031; JP 2002507491 A 20020312; JP 2006346857 A 20061228; PL 197639 B1 20080430; PL 343171 A1 20010730; SE 1066134 T3 20020903; SE 1066134 T5 20030204; SK 14402000 A3 20011008; TW 393384 B 20000611

DOCDB simple family (application)
US 9902399 W 19990204; AT 99906733 T 19990204; AU 2657399 A 19990204; BR 9909194 A 19990204; CA 2324578 A 19990204; CN 99804385 A 19990204; CZ 20003542 A 19990204; DE 69901438 A 19990204; DE 69901438 T 19990204; DK 99906733 T 19990204; EP 99906733 A 19990204; ES 99906733 T 19990204; HK 01104698 A 20010709; HU P0102438 A 19990204; ID 20001926 A 19990204; IL 13843499 A 19990204; JP 2000537677 A 19990204; JP 2006222685 A 20060817; PL 34317199 A 19990204; SE 99906733 T 19990204; SK 14402000 A 19990204; TW 88102167 A 19990211