

Title (en)
Grinding wheel

Title (de)
Schleifscheibe

Title (fr)
Meule

Publication
EP 0770457 B1 20010103 (EN)

Application
EP 95116805 A 19951025

Priority
EP 95116805 A 19951025

Abstract (en)
[origin: EP0770457A1] A number of pyramidal or truncated-pyramidal projections (50) are formed on a portion of a metal base (1) forming a grinding face, to be homogeneously distributed at substantially uniform heights. Super abrasive grains (8) having grain sizes which are smaller than the heights of the projections are fixed to the surfaces of the projections (50). A coating film (10) consisting of fluororesin is formed to at least partially cover the outer surface of the grinding face (2) including the surfaces of the super abrasive grains (8), for preventing deposition of a workpiece. Since the outer surface of the grinding face (2) is covered with the coating film (10), sharpness of this grinding wheel is improved and clearances between the super abrasive grains are hardly clogged up with chips, while the chips are hardly deposited onto the grinding face. <IMAGE>

IPC 1-7
B24D 3/34; B24D 3/28; B24D 18/00

IPC 8 full level
B24D 3/28 (2006.01); **B24D 3/34** (2006.01); **B24D 18/00** (2006.01)

CPC (source: EP)
B24D 3/28 (2013.01); **B24D 3/344** (2013.01); **B24D 18/0018** (2013.01)

Cited by
CN103612215A; US5997597A; CN102975292A; US10189145B2; US9844853B2; US10189146B2

Designated contracting state (EPC)
DE FR IT

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