

Title (en)
A GRINDING TOOL

Title (de)
SCHLEIFWERKZEUG

Title (fr)
OUTIL ABRASIF

Publication
EP 3381611 A1 20181003 (EN)

Application
EP 17163111 A 20170327

Priority
EP 17163111 A 20170327

Abstract (en)
Grinding tool (100) comprising a grinding portion (110), wherein the grinding portion (110) is shaped according to a predetermined shape (120) and is substantially rotationally symmetric with respect to a symmetry axis. The grinding tool (100) is manufactured according to a dressing process, the dressing process comprising the steps of (a) rotating the grinding tool (100) about the symmetry axis with a cutting speed; and (b) putting cutting means (300) in engagement with the grinding portion (110) and moving the cuttings means (300) along a given path thereby cutting and shaping the grinding portion (110). The cutting means traverses across the grinding portion (110) with a feed rate. The grinding portion (110) is made of a first material, wherein the first material comprises metal-bonded cubic crystalline boron nitride grains, and the cutting means (300) is made of a second material, wherein the second material comprising at least a cubic crystalline boron nitride material and/or diamond.

IPC 8 full level
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Citation (search report)
• [XY] US 5718736 A 19980217 - ONISHI HITOSHI [JP], et al
• [Y] US 2011136408 A1 20110609 - FRAZEE ELIZABETH [US], et al
• [A] JP S6339765 A 19880220 - YUNIKOON IND PLC
• [A] EP 0411253 A2 19910206 - HURTH MASCH ZAHNRAD CARL [DE]

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