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/ordiamond.

IPC 8 full level

B24B 53/075 (2006.01); **B23F 21/02** (2006.01); **B24B 53/14** (2006.01); **B24D 3/06** (2006.01); **B24D 5/02** (2006.01)

CPC (source: EP)

B24B 53/075 (2013.01); **B24B 53/14** (2013.01); **B24D 3/06** (2013.01); **B24D 5/02** (2013.01)

Citation (search report)

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- [Y] US 2011136408 A1 20110609 - FRAZEE ELIZABETH [US], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3381611 A1 20181003

DOCDB simple family (application)

EP 17163111 A 20170327