

Title (en)

METHOD FOR PRODUCING A MACHINING SEGMENT HAVING A PORTION OF HARD MATERIAL PARTICLES PROJECTING ON THE LATERAL FACES OF THE MACHINING SEGMENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BEARBEITUNGSSEGMENTES MIT EINEM ÜBERSTAND DER HARTSTOFFPARTIKEL AN DEN SEITENFLÄCHEN DES BEARBEITUNGSSEGMENTES

Title (fr)

PROCÉDÉ DE FABRICATION D'UN SEGMENT D'USINAGE COMPORTANT UNE PARTIE DE PARTICULES DE MATÉRIAUX DUR FAISANT SAILLIE SUR LES FACES LATÉRALES DU SEGMENT D'USINAGE

Publication

EP 4171865 A1 20230503 (DE)

Application

EP 21732011 A 20210610

Priority

- EP 20181945 A 20200624
- EP 2021065622 W 20210610

Abstract (en)

[origin: WO2021259655A1] The invention relates to a method for producing a machining segment (51) for a machining tool from a pulverulent or granular first matrix material (56), first hard material particles (57), arranged according to a defined first particle pattern, and second hard material particles (58) arranged according to a defined second particle pattern, a lower face (61) of the machining segment being connected to a main body of the machining tool. The machining segment (51), on the lateral faces, has a portion where the second hard material particles (58) project relative to the first matrix material (56).

IPC 8 full level

B23P 15/28 (2006.01); **B22F 3/02** (2006.01); **B22F 3/10** (2006.01); **B22F 5/00** (2006.01); **B22F 7/06** (2006.01); **B22F 7/08** (2006.01); **B23D 65/00** (2006.01); **B24D 5/06** (2006.01); **B24D 5/12** (2006.01); **B24D 7/06** (2006.01); **B24D 18/00** (2006.01); **B24D 99/00** (2010.01); **B28D 1/04** (2006.01); **B28D 1/08** (2006.01); **B28D 1/12** (2006.01)

CPC (source: EP US)

B22F 3/02 (2013.01 - EP); **B22F 3/10** (2013.01 - EP); **B22F 3/12** (2013.01 - US); **B22F 7/062** (2013.01 - EP); **B22F 7/08** (2013.01 - EP); **B23D 65/00** (2013.01 - EP); **B23P 15/28** (2013.01 - EP); **B24D 5/063** (2013.01 - EP); **B24D 5/12** (2013.01 - EP); **B24D 7/063** (2013.01 - EP); **B24D 18/0009** (2013.01 - EP); **B24D 99/005** (2013.01 - EP); **B28D 1/041** (2013.01 - EP); **B28D 1/082** (2013.01 - EP); **B28D 1/121** (2013.01 - EP); **B22F 2005/001** (2013.01 - EP); **B22F 2005/005** (2013.01 - EP); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP); **B24D 2203/00** (2013.01 - EP)

Citation (search report)

See references of WO 2021259655A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 3928903 A1 20211229; EP 4171865 A1 20230503; US 2023264259 A1 20230824; WO 2021259655 A1 20211230

DOCDB simple family (application)

EP 20181945 A 20200624; EP 2021065622 W 20210610; EP 21732011 A 20210610; US 202118010636 A 20210610