

Title (en)  
ABRASIVE TOOL AND FABRICATION METHOD THEREFOR

Title (de)  
SCHLEIFWERKZEUG UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)  
OUTIL ABRASIF ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication  
**EP 3766637 B1 20240417 (EN)**

Application  
**EP 19767677 A 20190312**

Priority

- CN 201810201963 A 20180312
- CN 201820334241 U 20180312
- CN 2019077870 W 20190312

Abstract (en)  
[origin: EP3766637A1] A grinding tool and a manufacturing method thereof are disclosed. The grinding tool includes a plurality of thin teeth (2) which are sequentially spliced and stacked to form an annular structure, wherein every two adjacent thin teeth (2) are fixedly connected, and a groove body (4) is formed between every two adjacent thin teeth (2). The narrower and the more the groove bodies of the grinding tool are, the better the cooling effect is, thus the better the chip-removal effect is. Meanwhile, the manufacturing method for the grinding tool features a machining process having low difficulty and is easy for mass production, thereby facilitating the high-speed and high-efficiency machining of grinding tools with an organic bond and an inorganic bond.

IPC 8 full level  
**B24D 7/10** (2006.01); **B24D 3/22** (2006.01); **B24D 5/06** (2006.01); **B24D 5/10** (2006.01); **B24D 7/06** (2006.01); **B24D 13/04** (2006.01); **B24D 13/16** (2006.01); **B24D 13/18** (2006.01); **B24D 18/00** (2006.01)

CPC (source: EP KR US)  
**B24D 3/22** (2013.01 - EP); **B24D 5/06** (2013.01 - EP); **B24D 5/10** (2013.01 - EP); **B24D 7/06** (2013.01 - US); **B24D 7/066** (2013.01 - EP); **B24D 7/10** (2013.01 - EP KR); **B24D 7/16** (2013.01 - KR); **B24D 13/04** (2013.01 - EP); **B24D 13/16** (2013.01 - EP); **B24D 13/18** (2013.01 - EP); **B24D 18/00** (2013.01 - EP KR); **B24D 18/009** (2013.01 - US)

Cited by  
CN112792751A

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

DOCDB simple family (publication)  
**EP 3766637 A1 20210120**; **EP 3766637 A4 20220112**; **EP 3766637 B1 20240417**; **EP 3766637 C0 20240417**; EP 3766636 A1 20210120; EP 3766636 A4 20211208; JP 2021516170 A 20210701; JP 7105507 B2 20220725; KR 102396879 B1 20220512; KR 20210003090 A 20210111; US 2021370472 A1 20211202; WO 2019174580 A1 20190919; WO 2019174581 A1 20190919

DOCDB simple family (application)  
**EP 19767677 A 20190312**; CN 2019077870 W 20190312; CN 2019077871 W 20190312; EP 19767319 A 20190312; JP 2020570622 A 20190312; KR 20207026595 A 20190312; US 201916979853 A 20190312