

Title (en)  
WHIRLING TOOL

Title (de)  
WIRBELWERKZEUG

Title (fr)  
OUTIL DE FILETAGE À LA VOLÉE

Publication  
**EP 3641973 A1 20200429 (DE)**

Application  
**EP 18808268 A 20181120**

Priority  
• DE 102017127307 A 20171120  
• EP 2018081882 W 20181120

Abstract (en)  
[origin: WO2019097074A1] The invention relates to a whirling tool (10) for machining a workpiece, comprising: a plurality of cutting plates (14), each of the cutting plates (14) having at least one cutter (15); a cutting plate carrier (12) having a plurality of cutting plate holders (22) for holding and releasable fastening of a respective one of the cutting plates (14), the cutting plate holders (22) being arranged such that the cutting plates are distributed in the circumferential direction over the cutting plate carrier (12). The cutting plate carrier (12) has a through opening (34) which extends along a central axis (26) of the cutting plate carrier (12) and through which the workpiece can be passed during the machine, and in the installed state the cutting plates (14) protrude into the through opening (34). The tool also comprises a coolant channel (38) which is arranged in the cutting plate carrier (12) and extends between an inlet opening (40) and an outlet opening (42), the outlet opening (42) leading into the through opening (34) and/or being oriented in the direction of the through opening (34).

IPC 8 full level  
**B23C 5/20** (2006.01); **B23C 5/28** (2006.01); **B23G 1/34** (2006.01); **B23G 5/00** (2006.01); **B23G 5/18** (2006.01)

CPC (source: EP RU US)  
**B23B 27/10** (2013.01 - US); **B23B 27/1611** (2013.01 - US); **B23C 5/20** (2013.01 - RU); **B23C 5/205** (2013.01 - EP); **B23C 5/28** (2013.01 - EP RU); **B23G 1/34** (2013.01 - EP RU); **B23G 5/00** (2013.01 - RU); **B23G 5/005** (2013.01 - EP); **B23G 5/18** (2013.01 - EP RU); **B23B 2220/52** (2013.01 - US); **B23C 5/08** (2013.01 - US); **B23C 2200/367** (2013.01 - EP); **B23C 2210/503** (2013.01 - EP US); **B23C 2220/68** (2013.01 - EP US); **B23G 5/005** (2013.01 - US); **B23G 2200/12** (2013.01 - EP); **B23G 2240/60** (2013.01 - EP US); **B23Q 11/10** (2013.01 - US)

Citation (search report)  
See references of WO 2019097074A1

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)  
**WO 2019097074 A1 20190523**; CA 3079630 A1 20190523; CA 3079630 C 20220712; CN 111565875 A 20200821; CN 111565875 B 20230321; DE 102017127307 A1 20190523; EP 3641973 A1 20200429; JP 2021503383 A 20210212; MX 2020005157 A 20200820; RU 2738868 C1 20201217; US 11517967 B2 20221206; US 2020238391 A1 20200730

DOCDB simple family (application)  
**EP 2018081882 W 20181120**; CA 3079630 A 20181120; CN 201880074877 A 20181120; DE 102017127307 A 20171120; EP 18808268 A 20181120; JP 2020527935 A 20181120; MX 2020005157 A 20181120; RU 2020113915 A 20181120; US 202016849323 A 20200415