

Title (en)

VIBRATING TOOL, METHOD FOR DESIGNING A TOOL

Title (de)

VIBRIERENDES WERKZEUG, VERFAHREN ZUR WERKZEUGKONSTRUKTION

Title (fr)

OUTIL VIBRANT, PROCÉDÉ DE CONSTRUCTION D'OUTIL

Publication

**EP 2908973 A2 20150826 (DE)**

Application

**EP 13780352 A 20131022**

Priority

- DE 102012219232 A 20121022
- EP 2013072093 W 20131022

Abstract (en)

[origin: WO2014064116A2] A vibrating tool (10) used for the vibrational machining of a workpiece in a machine tool has a region (11) on the machine side and a region (12) on the workpiece side, the region on the workpiece side having a machining surface (13) that is to be placed on the workpiece. The inner length (li) lies outside a specified value range. The transverse plate (15) can have a projection (17), or defined rounded sections, or chamfers. In a method for designing a tool, a tool design with modified parameters is analysed with respect to target parameters with the aid of the finite-element method.

IPC 8 full level

**B23B 29/12** (2006.01); **B23B 37/00** (2006.01); **B23B 51/04** (2006.01); **B24B 1/04** (2006.01)

CPC (source: EP)

**B23B 37/00** (2013.01); **B23B 51/04** (2013.01); **B24B 1/04** (2013.01); **B24D 7/18** (2013.01)

Citation (search report)

See references of WO 2014064116A2

Citation (examination)

- FR 2955510 A1 20110729 - SNECMA [FR]
- JP S63267150 A 19881104 - CHO ONPA KOGYO CO

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)

**DE 102012219232 A1 20140424**; EP 2908973 A2 20150826; WO 2014064116 A2 20140501; WO 2014064116 A3 20141023

DOCDB simple family (application)

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