

Title (en)

Method for construction of a profile grinding process

Title (de)

Verfahren zur Auslegung eines Profilschleifprozesses

Title (fr)

Procédé de conception d'un procédé de meulage de profil

Publication

EP 2347856 A3 20150506 (DE)

Application

EP 11000509 A 20110122

Priority

DE 102010005935 A 20100126

Abstract (en)

[origin: EP2347856A2] The method involves determining power demand referred on the tool (10) or on the workpiece (30) from the erosion of an air passage of the workpiece or geometry of the tool or relative feed speed between the workpiece and the tool. The determined value is compared with a technological limit value in such a manner that the infeed rate and the relative feed speed between the tool and the workpiece in dependence of the workpiece or of the tool geometry is selected in such a way that their mathematical product, is multiplied by correcting function, smaller or equal to the technological limit value.

IPC 8 full level

B24B 1/00 (2006.01); **B24B 19/00** (2006.01)

CPC (source: EP)

B24B 1/00 (2013.01); **B24B 19/009** (2013.01)

Citation (search report)

- [X] US 2009156097 A1 20090618 - PILKINGTON MARK IAIN [GB]
- [X] DE 3637758 A1 19880519 - SALJE ERNST [DE]
- [X] US 4014142 A 19770329 - COES JR LORING
- [X] DE 4119871 C1 19920514

Cited by

DE102014225697A1; WO2016091504A1; CN111090930A; CN114951839A; CN114555270A; WO2022028871A1; DE102024100637A1; WO2021074016A1

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 2347856 A2 20110727; **EP 2347856 A3 20150506**; **EP 2347856 B1 20180829**; DE 102010005935 A1 20110728; DE 102010005935 B4 20160504

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