

Title (en)

METHOD FOR MACHINING A MATERIAL AND APPARATUSES OPERATING ON THE BASIS OF SAID METHOD

Title (de)

VERFAHREN FÜR DIE ZERSpanUNG EINES WERKSTOFFS UND NACH DIESEM VERFAHREN ARBEITENDE VORRICHTUNGEN

Title (fr)

PROCÉDÉ DE MISE EN COPEAUX D'UN MATÉRIAU ET DISPOSITIFS FONCTIONNANT SELON LEDIT PROCÉDÉ

Publication

**EP 2817686 A1 20141231 (DE)**

Application

**EP 13706486 A 20130221**

Priority

- AT 500152012 U 20120224
- EP 2013053449 W 20130221

Abstract (en)

[origin: WO2013124352A1] The present invention relates to a method for machining a material with a controlled/regulated tool with a cutting edge, particularly by milling, in which the thermal diffusivity of the material, the chip thickness, the geometry of the cutting edge, and also the life of the tool and wear data that characterize the wear behaviour of the tool are taken as a basis, by means of a programmable control device, for continually calculating a cut and advance speed using the Péclet number and using said speed to control/regulate the tool.

IPC 8 full level

**G05B 19/404** (2006.01); **B23Q 15/013** (2006.01); **B23Q 15/18** (2006.01)

CPC (source: EP)

**B23Q 15/013** (2013.01); **B23Q 15/18** (2013.01); **G05B 19/404** (2013.01); **G05B 2219/49088** (2013.01); **G05B 2219/49093** (2013.01); **G05B 2219/49109** (2013.01); **G05B 2219/49211** (2013.01); **G05B 2219/49214** (2013.01)

Citation (search report)

See references of WO 2013124352A1

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 2013124352 A1 20130829**; AT 12948 U1 20130215; EP 2817686 A1 20141231

DOCDB simple family (application)

**EP 2013053449 W 20130221**; AT 500152012 U 20120224; EP 13706486 A 20130221