

Title (en)

METHOD AND VIRTUAL MACHINE TOOL FOR REPRESENTING OPERATIONS OF A REAL MACHINE TOOL

Title (de)

VERFAHREN UND VIRTUELLE WERKZEUGMASCHINE ZUR DARSTELLUNG VON AKTIONEN EINER REALEN WERKZEUGMASCHINE

Title (fr)

PROCÉDÉ ET MACHINE-OUTIL VIRTUELLE SERVANT À REPRÉSENTER DES ACTIONS D'UNE MACHINE-OUTIL RÉELLE

Publication

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Application

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Abstract (en)

[origin: WO2009037065A1] The invention relates to a method for representing operations of machining units of a real machine tool, especially operations during machining of a workpiece according to a CNC machining program package, using at least one first visualization unit, in the form of operations of virtual machining units of a virtual tool machine. According to said method, an operation control determines control commands for operations of the virtual machining units, using a control program that processes CNC sets of the CNC machining program package, an operator control operates the operation control, using an operator control program, and a visualization control represents operations of the virtual machining unit on the first visualization unit, using a visualization program and geometric configuration data of a stored machine model and the control commands determined by the operation control. The aim of the invention is to improve the accuracy of said method with respect to the representation of the operations of the virtual machining units on the virtual machine tool. The method according to the invention is carried out both with at least one type-specific configuration parameter that is valid for the real machine tool type and with at least one individual configuration parameter that is valid for the individual real machine tool specifically provided for the machining of the respective workpiece.

IPC 8 full level

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