

Title (en)
METHOD FOR DETERMINING A THERMALLY INDUCED CHANGE IN POSITION OF A MACHINE TOOL SECTION OF A MACHINE TOOL

Title (de)
VERFAHREN ZUR BESTIMMUNG EINER THERMISCH BEDINGTEN POSITIONSÄNDERUNG EINES WERKZEUGMASCHINENABSCHNITTS EINER WERKZEUGMASCHINE

Title (fr)
PROCÉDÉ DE DÉTERMINATION D'UN CHANGEMENT DE POSITION D'ORIGINE THERMIQUE D'UNE SECTION D'UNE MACHINE-OUTIL

Publication
EP 2195714 A1 20100616 (DE)

Application
EP 08803973 A 20080910

Priority
• EP 2008062006 W 20080910
• DE 102007045592 A 20070914

Abstract (en)
[origin: WO2009037165A1] In order improve methods for determining a thermally induced change in position of a machine tool section of a machine tool, wherein the machine tool section can be moved along a machine tool axis, such that the change in position of the machine tool section can be determined in a manner that is as easy as possible, the invention provides that a deformation model of the machine tool is created, which indicates a relationship between the change in position to be determined and at least one input variable, relative to the machine tool axis, wherein the at least one input variable has at least one temperature value, and the at least one input variable is detected for determining the thermally induced change in position and is input into the deformation model.

IPC 8 full level
G05B 19/404 (2006.01)

CPC (source: EP)
G05B 19/404 (2013.01); **G05B 2219/49206** (2013.01); **G05B 2219/49207** (2013.01); **G05B 2219/49219** (2013.01)

Citation (search report)
See references of WO 2009037165A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009037165 A1 20090326; DE 102007045592 A1 20090409; EP 2195714 A1 20100616

DOCDB simple family (application)
EP 2008062006 W 20080910; DE 102007045592 A 20070914; EP 08803973 A 20080910