

Title (en)

SYSTEM AND METHOD FOR CALIBRATING A HEXAPOD POSITIONING DEVICE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR KALIBRIERUNG EINES HEXAPOD-POSITIONIERUNGSGERÄTES

Title (fr)

SYSTEME ET PROCEDE D'ETALONNAGE D'UN DISPOSITIF DE POSITIONNEMENT HEXAPODE

Publication

EP 1034066 A1 20000913 (EN)

Application

EP 98960594 A 19981201

Priority

- US 9825450 W 19981201
- US 6749397 P 19971201

Abstract (en)

[origin: WO9928097A1] A system and method for calibrating a positioning device, such as a hexapod machining center, are disclosed. The system comprises a gage nest, having a plurality of sensors and being connected to the positioning device; an artifact, disposed in a work area defined by the positioning device; a first computer, connected to said positioning device, for controlling and recording precision movements of the positioning device with respect to the artifact; and a second computer for using the recorded precision movement as input data in order to simulate the operation of the positioning device, thereby iteratively determining the actual geometry of the positioning device.

IPC 1-7

B25J 9/16

IPC 8 full level

B25J 9/16 (2006.01)

CPC (source: EP)

B25J 9/1623 (2013.01); **B25J 9/1641** (2013.01); **G05B 2219/35017** (2013.01); **G05B 2219/39182** (2013.01); **G05B 2219/39186** (2013.01); **G05B 2219/39326** (2013.01); **G05B 2219/40269** (2013.01); **G05B 2219/40357** (2013.01); **G05B 2219/41189** (2013.01)

Citation (search report)

See references of WO 9928097A1

Cited by

CN111531532A; CN107065558A

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

WO 9928097 A1 19990610; CA 2312897 A1 19990610; EP 1034066 A1 20000913; TW 396096 B 20000701

DOCDB simple family (application)

US 9825450 W 19981201; CA 2312897 A 19981201; EP 98960594 A 19981201; TW 87120027 A 19990120