

Title (en)

METHOD AND DEVICE FOR MEASURING THE OBJECT STRUCTURES

Title (de)

VERFAHREN UND ANORDNUNG ZUR MESSUNG VON STRUKTUREN EINES OBJEKTS

Title (fr)

PROCEDE ET DISPOSITIF SERVANT A LA MESURE DES STRUCTURES D'UN OBJET

Publication

**EP 1926967 A1 20080604 (DE)**

Application

**EP 06792130 A 20060919**

Priority

- EP 2006009078 W 20060919
- DE 102005044961 A 20050920
- DE 102006001531 A 20060112

Abstract (en)

[origin: WO2007033811A1] The invention relates to a method and device for determining the structures of an object by means of a shape-gauge element starting from the stylus extension of an calliper associated to a co-ordinate measuring instrument, which is brought into contact with the object and, afterwards, the spatial position of the a shape-gauge element or of a target mark directly associated therewith is determined by means of an optical sensor. The aim of said invention is to determine any structures with a high measuring accuracy, which requires an accurate determination of the shape-gauge element position to be brought into contact with the object. For this purpose, the invention is characterised in that the two-dimensional position of the shape-gauge element and/or of the target mark is determined by means of a two-dimensional optical position sensors associated with each other on the position point of view and the spatial (3-dimensional) position of the shape-gauge element is calculated on the base of the two-dimensional position thereof.

IPC 8 full level

**G01B 11/00** (2006.01)

CPC (source: EP)

**G01B 5/012** (2013.01); **G01B 11/007** (2013.01)

Citation (search report)

See references of WO 2007033811A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102006001531 A1 20070322**; EP 1926967 A1 20080604; WO 2007033811 A1 20070329

DOCDB simple family (application)

**DE 102006001531 A 20060112**; EP 06792130 A 20060919; EP 2006009078 W 20060919