

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

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Application

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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.

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