

Title (en)

METHOD AND DEVICE FOR DETECTING THE SHAPE OF A THREE-DIMENSIONAL OBJECT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERFASSUNG DER GESTALT EINES DREIDIMENSIONALEN GEGENSTANDES

Title (fr)

PROCEDE ET DISPOSITIF POUR DETECTER LA FORME D'UN OBJET TRIDIMENSIONNEL

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Application

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Abstract (en)

[origin: WO03046472A2] The aim of the invention is to provide a method and a device which allow detection of the shape of a three-dimensional object at very short measuring times, especially at substantially shorter measuring times than the methods known so far, thereby allowing inter alia the three-dimensional shape detection of fast moving or quickly changing test objects. According to the invention, the propagation times of the light scattered and/or reflected and/or emitted by the object to the measured are encoded as light intensity modulations and the light intensity or light intensity distribution is measured. The shape of the three-dimensional object is determined on the basis of the measured values for the light intensity distribution.

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