

Title (en)

DEVICE AND METHOD FOR SEQUENTIAL DIFFRACTIVE PATTERN PROJECTION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR SEQUENTIELLEN, DIFFRAKTIVEN MUSTERPROJEKTION

Title (fr)

APPAREIL ET PROCÉDÉ DE PROJECTION DE MOTIFS DE MANIÈRE DIFFRACTIVE ET SÉQUENTIELLE

Publication

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Application

**EP 15763904 A 20150915**

Priority

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- EP 2015071011 W 20150915

Abstract (en)

[origin: WO2016124261A1] The invention relates to a device and to a method for reconstruction of a surface of an object (0) by means of a structured illumination, comprising at least one projector device (1) for diffractive projection onto the surface of the object of measuring patterns (MM1, MM2, MM3) having measuring elements, in particular measuring points (P); at least one detecting device (3) for detecting the measuring patterns (MM1, MM2, MM3) on the surface of the object; a computer device (5) for reconstruction, performed in particular by means of triangulation, of the surface of the object from a respective distortion of a measuring pattern. The invention is characterised in that all possible positions of measuring elements in repeating groups (G) are represented in a measuring pattern, in which a respective combination of generated and/or non-generated measuring elements encodes the respective location in the overall pattern (GM).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2016124261A1

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