

Title (en)

DEVICE AND METHOD FOR THE OPTICAL 3D MEASUREMENT OF SURFACES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR DREIDIMENSIONALEN OPTISCHEN VERMESSUNG VON OBERFLÄCHEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE MESURE OPTIQUE TRIDIMENSIONNELLE DE SURFACES

Publication

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Application

EP 11824257 A 20111011

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Abstract (en)

[origin: WO2012095088A1] The invention relates to a device for the optical 3D measurement of surfaces of any objects (2) in an optical manner by pattern projection methods, comprising a projector (3) for projecting a pattern onto the surface (1) of the object (2), at least one camera (5) or imaging unit for capturing the projected pattern, and a computer for processing the image information that is captured by the camera or imaging unit to give 3D data, optionally for three-dimensionally imaging the object (2). The device is characterized in that the projector (3) exclusively emits narrow-band light, and a filtering device is arranged in the detection beam path upstream of the camera (5) or the imaging unit, said filtering device being permeable exclusively for the wavelength range of the light emitted by the projector (3). The invention also relates to a corresponding method for using the device according to the invention.

IPC 8 full level

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See references of WO 2012095088A1

Citation (examination)

US 6229913 B1 20010508 - NAYAR SHREE [US], et al

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