

Title (en)

DEVICE AND METHOD FOR THE SPACE-COLORIMETRIC MEASUREMENT OF A THREE-DIMENSIONAL OBJECT

Title (de)

EINRICHTUNG UND VERFAHREN ZUR RAUMKOLORIMETRISCHEN MESSUNG EINES DREIDIMENSIONALEN OBJEKTS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE MESURE SPATIO-COLORIMÉTRIQUE D'UN OBJET TRIDIMENSIONNEL

Publication

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Application

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Priority

FR 2008000081 W 20080123

Abstract (en)

[origin: WO2009092868A1] The invention relates to a device and a method for the space-colorimetric measurement of a three-dimensional object, in order to digitally model the low-relief and the colorimetric coordinates of this object according to multiple analysis points. In order to do so, the measuring device of the invention combines a lighting means with at least four optical detection means, including at least two twin detection means sensitive to substantially identical light wavelength ranges, in order to determine by stereoscopic effect the low-relief of the object analysed. The invention thus proposes a device for the space-colorimetric measurement of a three-dimensional object (2), that comprises a detection head (4) including a lighting means (14) for the object and at least four detection means (16) for detecting the light reflected by the object (2), wherein said device further includes a unit (8) for processing the information received by the detection means (16). At least two twin detection means (16c, 16e) are sensitive to substantially identical light wavelength ranges.

IPC 8 full level

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