

Title (en)
MEASURING SYSTEM FOR THREE-DIMENSIONAL OBJECTS

Title (de)
VERMESSUNGSSYSTEM FÜR DREIDIMENSIONALE OBJEKTE

Title (fr)
SYSTÈME DE MESURE POUR OBJETS EN TROIS DIMENSIONS

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Application
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Abstract (en)
[origin: WO2007054351A1] The invention relates to a three-dimensional object measuring system (1) having a strip projector (2) for producing a strip-shaped light pattern on an object (3) to be measured, wherein the strip projector (2) comprises a light source (4) and a liquid crystal light modulator (5) with a matrix-type arrangement of pixels which can be controlled so as to be light and dark, and having an electronic camera (6) for recording images of the object (3) which is illuminated with the light pattern. For the purpose of achieving a high measuring accuracy, the invention proposes that the strip projector (2) and the electronic camera (6) are actuated by means of a control circuit (8), which is designed such that, during the exposure time of an image, the pixels of the light modulator (5) are switched between light and dark, with the temporal progression of the switchover of the pixels being synchronized with the image recording.

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