

Title (en)
COLOUR CODING FOR 3D MEASUREMENT FOR TRANSPARENT SCATTERING SURFACES

Title (de)
FARBKODIERUNG FÜR 3D-MESSUNG BEI TRANSPARENTEN STREUENDEN OBERFLÄCHEN

Title (fr)
CODAGE DE COULEUR POUR MESURE EN TROIS DIMENSIONS SUR DES SURFACES DISPERSIVES TRANSPARENTES

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Application
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Abstract (en)
[origin: WO2014016001A1] A device and a method for determining three-dimensional surface coordinates of an object by means of optical colour triangulation are proposed, wherein all lines (3) of a colour fringe pattern (1) in each case have a width (BR) set in such a way that, in a recorded image (7) of the line (3), all contrast maxima (CMax), of all spectral components of a line (3) are equal to a minimum contrast value (CMin). Proceeding from an invariable smallest width of a pattern line (3a) with a spectral component of highest contrast, further lines (3) can be correspondingly widened. The invention is particularly advantageously suitable for a 3D measurement for biological tissue.

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