

Title (en)

METHOD AND DEVICE FOR MEASURING HOMOGENEOUSLY REFLECTIVE SURFACES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERMESSEN HOMOGEN REFLEKTIERENDER OBERFLÄCHEN

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE MESURER DES SURFACES ASSURANT UNE RÉFLEXION HOMOGENÈME

Publication

EP 2721370 A2 20140423 (DE)

Application

EP 12766922 A 20120903

Priority

- DE 102011083421 A 20110926
- EP 2012067113 W 20120903

Abstract (en)

[origin: WO2013045210A2] The invention relates to a confocal sensor system (A) by means of which a focal point (BP) generated thereby is moved along a visual axis (4), orthogonal to the x, y plane of an x, y, z coordinate system, to a target z coordinate of a point (P) to be measured of a surface (7) to be measured of an object (B), wherein a light intensity (I(z)) of the light reflected by the surface (7), which is dependent on a distance of the focal point (BP) along the z axis to the point (P), is detected and is used in determining the actual z coordinate (Zp) of the point (P) by means of an evaluation device (21).

IPC 8 full level

G01B 11/02 (2006.01); **G01B 11/24** (2006.01)

CPC (source: EP US)

G01B 11/0608 (2013.01 - EP US); **G01B 11/22** (2013.01 - US); **G01B 2210/50** (2013.01 - EP US)

Citation (search report)

See references of WO 2013045210A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011083421 A1 20130328; CN 103842770 A 20140604; EP 2721370 A2 20140423; US 2014233040 A1 20140821; WO 2013045210 A2 20130404; WO 2013045210 A3 20130711

DOCDB simple family (application)

DE 102011083421 A 20110926; CN 201280046873 A 20120903; EP 12766922 A 20120903; EP 2012067113 W 20120903; US 201214347199 A 20120903