

Title (en)

PHOTO-BASED 3D-SURFACE INSPECTION SYSTEM

Title (de)

FOTOBASIERTES 3D-OBERFLÄCHEN-INSPEKTIONSSYSTEM

Title (fr)

SYSTÈME D'INSPECTION DE SURFACES EN 3D SUR BASE DE PHOTOS

Publication

EP 2989418 A1 20160302 (DE)

Application

EP 14709597 A 20140304

Priority

- DE 102013211342 A 20130618
- EP 2014054170 W 20140304

Abstract (en)

[origin: WO2014202239A1] Disclosed is an arrangement for three-dimensional surface scanning of an object, the arrangement comprising a support piece with optical markings that allows quick and easy scanning of, for example, holes. The arrangement and the method allow the actual geometry of an object that is to be scanned to be compared with the desired geometry of the object. Moreover, the surface of the object is measured using photographs taken from different directions in space, and can be transferred to a three-dimensional CAD model to provide texture.

IPC 8 full level

G01B 11/00 (2006.01)

CPC (source: EP US)

G01B 11/002 (2013.01 - EP US); **H04N 13/282** (2018.04 - EP US)

Citation (search report)

See references of WO 2014202239A1

Citation (examination)

- US 2008107305 A1 20080508 - VANDERKOOY GEOFFREY E [CA], et al
- US 2011098577 A1 20110428 - DISILVESTRO MARK R [US], et al
- DE 102009007315 A1 20101028 - KIENHOEFER CARSTEN [DE]
- US 2011007326 A1 20110113 - DAXAUER HERBERT [AT], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102013211342 A1 20141218; EP 2989418 A1 20160302; US 2016146593 A1 20160526; WO 2014202239 A1 20141224

DOCDB simple family (application)

DE 102013211342 A 20130618; EP 14709597 A 20140304; EP 2014054170 W 20140304; US 201414899258 A 20140304