

Title (en)

OPTICAL MEASURING SYSTEM AND METHOD FOR OPTICALLY MEASURING AN OBJECT IN A THREE-DIMENSIONAL MANNER

Title (de)

OPTISCHES MESSSYSTEM UND VERFAHREN ZUR DREIDIMENSIONALEN OPTISCHEN VERMESSUNG EINES OBJEKTS

Title (fr)

SYSTÈME DE MESURE OPTIQUE ET PROCÉDÉ DE MESURAGE OPTIQUE EN TROIS DIMENSIONS D'UN OBJET

Publication

**EP 3071929 A1 20160928 (DE)**

Application

**EP 14815255 A 20141124**

Priority

- DE 102013223894 A 20131122
- EP 2014075363 W 20141124

Abstract (en)

[origin: WO2015075215A1] The invention relates to an optical measuring system (1) and to a method for measuring an object (9) in a three-dimensional manner. The measuring system (1) has at least one lens array (5), a first convex lens (6) arranged downstream, a second convex lens (8) which is arranged further downstream and which faces an object (9) to be measured, and additionally a means (7) which absorbs incident light or deflects incident light out of the illuminating beam path and which is arranged upstream of the second convex lens (8) or on the second convex lens (8) on a second convex lens (8) face facing the first convex lens (6) in the region of the optical axis (10).

IPC 8 full level

**G01B 11/25** (2006.01); **A61C 9/00** (2006.01); **G02B 21/00** (2006.01)

CPC (source: EP US)

**A61B 1/24** (2013.01 - US); **A61C 9/006** (2013.01 - EP US); **G01B 11/25** (2013.01 - EP US); **G02B 1/11** (2013.01 - US); **G02B 3/0006** (2013.01 - US); **G02B 5/003** (2013.01 - US); **G02B 5/09** (2013.01 - US); **G02B 21/0032** (2013.01 - EP US); **G02B 21/004** (2013.01 - EP US); **G02B 21/008** (2013.01 - EP US); **H04N 13/204** (2018.04 - EP US)

Citation (search report)

See references of WO 2015075215A1

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 102013223894 B3 20150219**; EP 3071929 A1 20160928; US 2016296304 A1 20161013; US 9757216 B2 20170912; WO 2015075215 A1 20150528

DOCDB simple family (application)

**DE 102013223894 A 20131122**; EP 14815255 A 20141124; EP 2014075363 W 20141124; US 201415038642 A 20141124