

Title (en)
APPARATUS FOR ILLUMINATING THE SURFACE OF A MATERIAL

Title (de)
VORRICHTUNG ZUM BELEUCHTEN EINER STOFFOBERFLÄCHE

Title (fr)
DISPOSITIF POUR ILLUMINER UNE SURFACE DE MATÉRIAU

Publication
EP 2914955 A1 20150909 (DE)

Application
EP 13782692 A 20131023

Priority
• DE 102012110429 A 20121031
• EP 2013072111 W 20131023

Abstract (en)
[origin: WO2014067819A1] Apparatus for illuminating the surface of a material, comprising an illuminating device (101) for illuminating the surface of the material (103) with a calibrating light (105), a recording device (107) for recording a measuring light (109), emitted by the surface of the material (103) in response to the calibrating light (105), and a processor device (111) for recording the spectral characteristic of the measuring light (109) that characterizes a diffuse spectral reflectance of the surface of the material (103), wherein the illuminating device (101) is designed to produce an illuminating light (113) for illuminating the surface of the material (103) that has a spectral characteristic that corresponds to the spectral characteristic of the measuring light (109).

IPC 8 full level
G01N 21/89 (2006.01)

CPC (source: EP US)
G01J 3/027 (2013.01 - EP US); **G01J 3/0297** (2013.01 - US); **G01J 3/10** (2013.01 - EP US); **G01J 3/42** (2013.01 - EP US);
G01N 21/31 (2013.01 - EP US); **G01N 21/8806** (2013.01 - EP US)

Citation (search report)
See references of WO 2014067819A1

Citation (examination)
US 2008093539 A1 20080424 - TUSCHEL DAVID [US], 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 102012110429 A1 20140430; DE 102012110429 B4 20140710; CN 104769421 A 20150708; CN 104769421 B 20180608;
EP 2914955 A1 20150909; JP 2015536455 A 20151221; JP 6033968 B2 20161130; KR 101692653 B1 20170103; KR 20150074026 A 20150701;
RU 2015110477 A 20161220; US 10473523 B2 20191112; US 2015285681 A1 20151008; WO 2014067819 A1 20140508

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DE 102012110429 A 20121031; CN 201380055603 A 20131023; EP 13782692 A 20131023; EP 2013072111 W 20131023;
JP 2015538421 A 20131023; KR 20157011964 A 20131023; RU 2015110477 A 20131023; US 201314438183 A 20131023