Title (en)

DEVICE AND METHOD FOR EVALUATION OF THE SHADE OF AN OBJECT BY SPECTROMETRY

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG DER FARBE EINES GEGENSTANDES MITTELS SPEKTROMETRIE

Title (fr)

DISPOSITIF ET METHODE D'EVALUATION DE TEINTE D'UN OBJET PAR SPECTROMETRIE

Publication

EP 1658479 A1 20060524 (FR)

Application

EP 04742473 A 20040409

Priority

- FR 2004000888 W 20040409
- FR 0304386 A 20030409

Abstract (en)

[origin: FR2853727A1] The device has a light source, and a light sensor collecting light reflected from one of several segments (20, 30, 40) of an object (10) or light that has passed through the segments. A spectrometer analyzes a set of wavelengths of the reflected or transmitted light for the different segments, and automatically identifies the same hue from the set of wavelengths. A screen displays the image taken by a camera. An independent claim is also included for a procedure for determining the hue of an object.

IPC 1-7

G01J 3/50

IPC 8 full level

G01J 3/50 (2006.01)

CPC (source: EP US)

G01J 3/50 (2013.01 - EP US); **G01J 3/508** (2013.01 - EP US)

Citation (search report)

See references of WO 2004092695A1

Citation (examination)

- EP 1566617 A1 20050824 - TROPHY RADIOLOGIE S A [FR]
- FR 2821671 A1 20020906 - GTM CONSTRUCTION [FR]
- US 4935635 A 19900619 - O'HARRA DALE G [US]
- US 6525819 B1 20030225 - DELAWTER S BRETT [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2853727 A1 20041015; **FR 2853727 B1 20060505**; EP 1658479 A1 20060524; US 2007275343 A1 20071129; WO 2004092695 A1 20041028

DOCDB simple family (application)

FR 0304386 A 20030409; EP 04742473 A 20040409; FR 2004000888 W 20040409; US 55284504 A 20040409