

Title (en)

Method and system for characterizing a colour device

Title (de)

Vorrichtung und System zur Charakterisierung eines Farbgeräts

Title (fr)

Procédé et système pour la caractérisation d'un dispositif de couleur

Publication

**EP 2005730 A1 20081224 (EN)**

Application

**EP 07727981 A 20070411**

Priority

- EP 2007053513 W 20070411
- EP 06290608 A 20060412
- EP 07727981 A 20070411

Abstract (en)

[origin: EP1845703A1] A method for characterising a colour device (401). A first transform (305) is calculated (304) from first input colours (302) and first output colours (303) measured (301) by an optical instrument (403). An intermediate set of output colour values (306) is obtained and transformed (307), using the transform (305), into a second set of input colour values (308), which are used to obtain (309) a second set of output colour values (310). The second sets of input and output colour values (308, 310) are used to calculate (311) a second transform (312). By a judicious choice of intermediate output colour values, e.g. in the Lab colour space, it is possible to obtain a transform that is extra accurate for colours for which the eye is especially sensible. Also provided are a system and a device.

IPC 8 full level

**H04N 1/60** (2006.01); **H04N 9/64** (2006.01); **G01J 3/46** (2006.01)

CPC (source: EP)

**G01J 3/462** (2013.01); **G01J 3/465** (2013.01); **H04N 1/6033** (2013.01); **H04N 1/6097** (2013.01); **H04N 9/67** (2013.01); **H04N 17/02** (2013.01)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1845703 A1 20071017**; EP 2005730 A1 20081224; WO 2007116077 A1 20071018

DOCDB simple family (application)

**EP 06290608 A 20060412**; EP 07727981 A 20070411; EP 2007053513 W 20070411