

Title (en)

SEQUENTIAL COLOUR ILLUMINATION SYSTEM, METHOD FOR PRODUCING A COLOUR WHEEL FOR SAID SYSTEM AND A COLOUR SEGMENT DEVICE

Title (de)

SEQUENTIELLES FARBBELEUCHTUNGSSYSTEM, VERFAHREN ZUR HERSTELLUNG EINES FARBRADS FÜR DAS SYSTEM UND FARBSEGMENTEINRICHTUNG

Title (fr)

SYSTEME D'ILLUMINATION SEQUENTIEL COULEUR, PROCEDE DE REALISATION D'UNE ROUE COLOREE POUR LE SYSTEME ET DISPOSITIF DE SEGMENTS COLORES

Publication

EP 1714500 A1 20061025 (FR)

Application

EP 05708006 A 20050211

Priority

- EP 2005050617 W 20050211
- FR 0450254 A 20040212

Abstract (en)

[origin: FR2866443A1] The system has a color wheel (6) with reflective or transmissive color segments to be scrolled on an optic path of a polychromatic light beam so that the segments cut successively a propagation direction of the beam. The color segments are arranged on the wheel in an order such that sum of difference of energy perceived by the observer during the turning of the wheel is minimal. An independent claim is also included for a method of fabrication of a color wheel for a color sequential illumination system of an imager or a spatial light modulator of a projector or overhead projector.

IPC 8 full level

H04N 9/31 (2006.01)

CPC (source: EP US)

H04N 9/3114 (2013.01 - EP US)

Citation (search report)

See references of WO 2005088985A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

FR 2866443 A1 20050819; EP 1714500 A1 20061025; US 2007165317 A1 20070719; US 7586703 B2 20090908; WO 2005088985 A1 20050922

DOCDB simple family (application)

FR 0450254 A 20040212; EP 05708006 A 20050211; EP 2005050617 W 20050211; US 58917505 A 20050211