

Title (en)

PROCESS FOR PRODUCING SHADED COLOR IMAGES ON DISPLAY SCREENS

Title (de)

VERFAHREN ZUM ERZEUGEN VON SCHATTIERTEN FARBBILDERN AUF ANZEIGESCHIRMEN.

Title (fr)

PROCEDE SERVANT A PRODUIRE DES IMAGES EN COULEUR NUANCEES SUR DES ECRANS D'AFFICHAGE

Publication

EP 0635155 B1 19980617 (EN)

Application

EP 93912159 A 19930407

Priority

- US 9303326 W 19930407
- US 86503192 A 19920407

Abstract (en)

[origin: WO9320549A1] A process for producing a wide range of colors in images that are presented in successive frames on image fields (13) on color opto-electronic display means having separate illumination elements each of a different color at each pixel location. Each pixel location, for example, may have a red, a green and a blue illumination element. The display is divided into uniformly-sized display neighborhoods (17). The process includes, for a given pixel location (a-p) within any one of the uniformly-sized display neighborhoods, producing a given color at that pixel location by selecting a frame sequence for illuminating the illumination elements at the pixel location during presentation of an image wherein the number of times that any given illumination element at the pixel location is illuminated within a given frame sequence is controlled to create an appearance of color shading of that pixel location relative to other pixel locations and wherein adjacent pixel locations that have the same color within any one of the display neighborhoods have their illumination elements illuminated with different frame sequences to minimize display noise.

IPC 1-7

G09G 1/28; **G09G 3/36**; **G09G 3/20**

IPC 8 full level

G02F 1/1335 (2006.01); **G02F 1/133** (2006.01); **G02F 1/13357** (2006.01); **G09G 3/20** (2006.01); **G09G 3/36** (2006.01)

CPC (source: EP)

G09G 3/3607 (2013.01); **G09G 3/2018** (2013.01); **G09G 3/2025** (2013.01); **G09G 3/2051** (2013.01)

Designated contracting state (EPC)

AT BE DE DK FR GB IE IT LU MC NL PT SE

DOCDB simple family (publication)

WO 9320549 A1 19931014; AT E167586 T1 19980715; DE 69319236 D1 19980723; DE 69319236 T2 19990225; EP 0635155 A1 19950125; EP 0635155 A4 19951011; EP 0635155 B1 19980617; JP 2727029 B2 19980311; JP H07508839 A 19950928; TW 225079 B 19940611

DOCDB simple family (application)

US 9303326 W 19930407; AT 93912159 T 19930407; DE 69319236 T 19930407; EP 93912159 A 19930407; JP 51778693 A 19930407; TW 82103623 A 19930510