

Title (en)

DISPLAY DEVICE AND METHOD FOR OPERATING A DISPLAY DEVICE OF SAID TYPE

Title (de)

ANZEIGEVORRICHTUNG UND VERFAHREN ZUM BETREIBEN EINER SOLCHEN ANZEIGEVORRICHTUNG

Title (fr)

DISPOSITIF D'AFFICHAGE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

EP 3218795 A2 20170920 (DE)

Application

EP 15797041 A 20151111

Priority

- DE 102014016643 A 20141111
- EP 2015076342 W 20151111

Abstract (en)

[origin: CA2981868A1] The invention relates to a display device (100) comprising at least two display units (110; 210; 310; 410; 510; 611; 613; 120; 220; 320; 420; 520; 612; 614) and an illumination device (130; 230; 330; 430; 530; 621; 622; 623; 624) for illuminating a transition area (202) between the at least two display units (110; 210; 310; 410; 510; 611; 613; 120; 220; 320; 420; 520; 612; 614). The invention also relates to a method for operating said type of display device (100) and to an entertainment machine (500) comprising said type of display device (100). According to the invention, said display device comprises, in addition to the at least two display units (110; 210; 310; 410; 510; 611; 613; 120; 220; 320; 420; 520; 612; 614) and the illumination device (130; 230; 330; 430; 530; 621; 622; 623; 624), at least one determination device (141; 241; 441; 443; 444; 631; 641; 651; 661) for determining a first colour information from an image block (111; 112; 113; 114; 115; 116; 411) of a first of the at least two display units (110; 210; 310; 410; 510; 611; 613) and for determining a second colour information from an image block (121; 122; 123; 124; 125; 126; 421) of a second of the at least two display units (120; 220; 320; 420; 520; 612; 614), and to also a colour control device (142; 242; 442; 632; 642; 652; 662) for controlling the colour and/or the colour spectrum of the light emitted by the illumination device (130; 230; 330; 430; 530; 621; 622; 623; 624) in accordance with the first and the second colour information.

IPC 8 full level

G06F 3/14 (2006.01); **F21V 8/00** (2006.01); **G06F 1/16** (2006.01); **G07F 17/32** (2006.01); **G09F 9/302** (2006.01); **G09G 3/34** (2006.01); **H04N 9/31** (2006.01); **H04N 9/73** (2006.01); **H05B 37/02** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

A63F 13/25 (2014.09 - US); **F21K 9/61** (2016.07 - US); **F21K 9/69** (2016.07 - US); **F21V 33/0052** (2013.01 - US); **G01J 3/0218** (2013.01 - US); **G01J 3/506** (2013.01 - US); **G06F 1/1601** (2013.01 - EP US); **G06F 3/1446** (2013.01 - EP US); **G07F 17/3211** (2013.01 - EP US); **G07F 17/3216** (2013.01 - EP US); **G09G 3/32** (2013.01 - US); **G09G 3/3413** (2013.01 - EP US); **G09G 5/006** (2013.01 - US); **H04N 9/74** (2013.01 - EP US); **H05B 45/20** (2020.01 - EP US); **H05B 45/22** (2020.01 - EP US); **F21Y 2103/10** (2016.07 - US); **F21Y 2115/10** (2016.07 - US); **G09F 9/3026** (2013.01 - EP US); **G09G 3/02** (2013.01 - US); **G09G 2300/026** (2013.01 - EP US); **G09G 2310/0232** (2013.01 - EP US); **G09G 2320/0646** (2013.01 - EP US); **G09G 2320/0666** (2013.01 - EP US); **G09G 2352/00** (2013.01 - US); **G09G 2360/144** (2013.01 - EP US); **G09G 2360/145** (2013.01 - EP US); **G09G 2360/16** (2013.01 - EP US); **Y02B 20/30** (2013.01 - EP US)

Citation (search report)

See references of WO 2016075196A2

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 102014016643 A1 20160512; AU 2015345117 A1 20170706; AU 2015345117 B2 20210513; AU 2015345524 A1 20170706; AU 2015345524 B2 20210513; CA 2981868 A1 20160519; CA 2981868 C 20221025; EP 3218794 A2 20170920; EP 3218794 B1 20210324; EP 3218795 A2 20170920; US 10342093 B2 20190702; US 10405396 B2 20190903; US 10595377 B2 20200317; US 2017301284 A1 20171019; US 2017311408 A1 20171026; US 2019191523 A1 20190620; US 2019246474 A1 20190808; WO 2016074795 A2 20160519; WO 2016074795 A3 20160707; WO 2016075196 A2 20160519; WO 2016075196 A3 20160707

DOCDB simple family (application)

DE 102014016643 A 20141111; AU 2015345117 A 20151111; AU 2015345524 A 20151111; CA 2981868 A 20151111; EP 15797014 A 20151111; EP 15797041 A 20151111; EP 2015002271 W 20151111; EP 2015076342 W 20151111; US 201715592054 A 20170510; US 201715592783 A 20170511; US 201916279047 A 20190219; US 201916358140 A 20190319