

Title (en)
LED VIDEO SCREEN

Title (de)
LED-VIDEObILDSCHIRM

Title (fr)
ÉCRAN VIDÉO À DEL

Publication
EP 2713357 A4 20170111 (EN)

Application
EP 11856909 A 20111213

Priority
• ES 201130103 A 20110127
• ES 2011070855 W 20111213

Abstract (en)
[origin: EP2713357A1] Summary: Comprises pixels including at least one red LED diode, one green LED diode and one blue LED diode, characterised in that the LEDs are organised into at least one red LED (n R) series circuit, at least one green LED (n G) series circuit and at least one blue LED (n B) series circuit, and comprises, in order to supply current to circuits of LEDs of the same colour connected in series and to make their consumption independent, a first group of sources where each source solely supplies red LEDs, a second group of sources to supply green LEDs and a third group of sources to supply blue LEDs; all of the electronics being integrated into a set of identical circuits with the exception of the LED diodes in order to control the brightness of each LED, efficiently manage the sources and distribute image data.

IPC 8 full level
G09G 3/32 (2016.01); **G09G 5/00** (2006.01); **H05B 33/08** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP ES US)
G09G 3/32 (2013.01 - EP US); **G09G 5/003** (2013.01 - EP); **H05B 45/20** (2020.01 - EP ES US); **H05B 45/37** (2020.01 - EP ES US); **G09G 2320/0666** (2013.01 - EP); **H05B 45/395** (2020.01 - EP ES US); **H05B 45/48** (2020.01 - EP)

Citation (search report)
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• [XA] US 2004160199 A1 20040819 - MORGAN FREDERICK M [US], et al
• [XA] WO 2009029197 A1 20090305 - DAKTRONICS [US], et al
• [XA] EP 1513059 A1 20050309 - BARCO NV [BE]
• [XA] EP 2270771 A1 20110105 - SENIA TECHNOLOGIES S L [ES]
• See references of WO 2012101294A1

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EP3249639A1; EP4123631A4; WO2017204641A1; US11651743B2; US11881184B2; US10636351B2

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

DOCDB simple family (publication)
EP 2713357 A1 20140402; EP 2713357 A4 20170111; ES 2386657 A1 20120824; ES 2386657 B1 20130705; WO 2012101294 A1 20120802

DOCDB simple family (application)
EP 11856909 A 20111213; ES 2011070855 W 20111213; ES 201130103 A 20110127