Title (en)

OPTOELECTRONIC COMPONENT DEVICE

Title (de)

OPTOELEKTRONISCHE BAUELEMENTEVORRICHTUNG

Title (fr)

DISPOSITIF À COMPOSANTS OPTOÉLECTRONIQUES

Publication

EP 2805570 A1 20141126 (DE)

Application

EP 13702371 A 20130118

Priority

- US 201261588838 P 20120120
- EP 2013050990 W 20130118

Abstract (en)

[origin: WO2013107894A1] In various embodiment examples, the invention relates to an optoelectronic component device comprising a first group of optoelectronic components (106, 410-n) having at least one first optoelectronic component, wherein the at least one first optoelectronic component is designed to provide electromagnetic radiation of a first color stimulus specification (212), a second group of optoelectronic components (102, 410-1) having at least one second optoelectronic component, wherein the at least one second optoelectronic component is designed to provide electromagnetic radiation of a second color stimulus specification (210), and a phase dimmer (406), wherein the phase dimmer (406) is designed in such a way that a first operating mode having a first degree of dimming and a second operating mode having a second degree of dimming are provided, wherein the phase dimmer (406) controls the first group of optoelectronic components (106, 410-n) and the second group of optoelectronic components (102, 410-1) in such a way that current is supplied to a first range of optoelectronic components of the optoelectronic component device in the first operating mode and current is supplied to a second range of optoelectronic components of the optoelectronic component device in the second operating mode, wherein with respect to the total intensity of the provided electromagnetic radiation of the optoelectronic component device, the share of the electromagnetic radiation of the first color stimulus specification (212) is less in the first operating mode than in the second operating mode and the share of the electromagnetic radiation of the second color stimulus specification (210) is greater in the first operating mode than in the second operating mode.

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP KR US)

H01L 25/167 (2013.01 - EP US); **H01L 27/156** (2013.01 - US); **H01L 33/62** (2013.01 - US); **H02M 7/06** (2013.01 - US); **H05B 44/00** (2022.01 - KR); **H05B 45/00** (2020.01 - US); **H05B 45/10** (2020.01 - US); **H05B 45/20** (2020.01 - EP US); **H05B 45/37** (2020.01 - KR US); **H05B 45/395** (2020.01 - EP US); **H05B 45/40** (2020.01 - US); **H05B 45/48** (2020.01 - EP US); **H05B 45/58** (2020.01 - US); **H05B 47/10** (2020.01 - KR); G01R 31/2635 (2013.01 - EP US); G01R 31/40 (2013.01 - EP US); G01R 31/44 (2013.01 - EP US); G01R 31/64 (2020.01 - EP US); H01L 25/0753 (2013.01 - EP US); H01L 2224/48091 (2013.01 - EP US); H01L 2224/48227 (2013.01 - EP US); H01L 2224/48247 (2013.01 - EP US); H01L 2924/12032 (2013.01 - EP US); H01L 2924/12044 (2013.01 - EP US); H01L 2924/1301 (2013.01 - EP US); H01L 2924/13033 (2013.01 - EP US); H01L 2924/1305 (2013.01 - EP US); H01L 2924/13091 (2013.01 - EP US); H02M 1/4258 (2013.01 - EP US); H02M 3/335 (2013.01 - EP US); Y02B 20/30 (2013.01 - EP US); Y02B 70/10 (2013.01 - EP)

Citation (search report)

See references of WO 2013107894A1

Citation (examination)

- WO 2012034102 A1 20120315 - OSRAM SYLVANIA INC [US], et al
- WO 2009138907 A2 20091119 - NXP BV [NL], et al
- US 2011068701 A1 20110324 - VAN DE VEN ANTONY P [HK], et al
- CN 201758472 U 20110309 - ACTIVE SEMICONDUCTORS SHANGHAI INTERNAT CORP, et al
- US 2011309757 A1 20111222 - WEAVER MATTHEW [US], et al

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)

WO 2013107894 A1 20130725; CN 104206010 A 20141210; EP 2805570 A1 20141126; US 2015137701 A1 20150521; US 9450505 B2 20160920

DOCDB simple family (application)

EP 2013050990 W 20130118; CN 201380006072 A 20130118; EP 13702371 A 20130118; US 201314373039 A 20130118