

Title (en)  
METHOD AND SYSTEM FOR CONTROLLING THE ELECTRIC CURRENT WITHIN A SEMICONDUCTOR LIGHT SOURCE DEFINING AT LEAST TWO DISTINCT LIGHT EMISSION REGIONS

Title (de)  
VERFAHREN UND SYSTEM ZUR STEUERUNG DES ELEKTRISCHEN STROMS IN EINER HALBLEITERLICHTQUELLE, DIE MINDESTENS ZWEI UNTERSCHIEDLICHE LICHEMISSIONSREGIONEN DEFINIERT

Title (fr)  
PROCÉDÉ ET SYSTÈME DE PILOTAGE DU COURANT ÉLECTRIQUE AU SEIN D'UNE SOURCE LUMINEUSE A SEMI-CONDUCTEUR DÉFINISSANT AU MOINS DEUX ZONES D'ÉMISSION LUMINEUSE DISTINCTES

Publication  
**EP 3616471 B1 20240131 (FR)**

Application  
**EP 18719209 A 20180427**

Priority  
• FR 1753786 A 20170428  
• EP 2018060918 W 20180427

Abstract (en)  
[origin: WO2018197686A1] The present invention relates to a method for controlling an electric current within a semiconductor light source, said light source comprising a substrate where at least two light-emitting regions are distinct, the method comprising the following steps: - activating a first luminous region, - regulating the mean value of the electrical quantity relating to the electric current received by the light source according to a first setpoint so as to obtain a first value of a first light flux corresponding to the flux emitted by said first luminous region, - activating at least a second luminous region of the light source, - regulating the mean value of the electrical quantity relative to the electrical current received by the light source so as to obtain a second value of a second light flux corresponding to the flux emitted by at least said second luminous region.

IPC 8 full level  
**H05B 45/10** (2020.01); **F21S 41/141** (2018.01); **F21S 41/155** (2018.01); **F21S 41/663** (2018.01)

CPC (source: EP KR US)  
**F21S 41/141** (2018.01 - EP KR US); **F21S 41/153** (2018.01 - US); **F21S 41/155** (2018.01 - EP KR); **F21S 41/663** (2018.01 - EP KR); **H05B 45/10** (2020.01 - EP US); **H05B 45/325** (2020.01 - US)

Citation (examination)  
• US 2016144771 A1 20160526 - MIYACHI MAMORU [JP], et al  
• US 2005212459 A1 20050929 - PATEL SANMUKH M [US], et al  
• WO 2016152465 A1 20160929 - KOITO MFG CO LTD [JP]  
• US 2014175978 A1 20140626 - KOBAYASHI SHOJI [JP]  
• DE 102015219789 A1 20170413 - OSRAM GMBH [DE]  
• WO 2017025441 A1 20170216 - VALEO VISION [FR]

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 2018197686 A1 20181101**; CN 110583099 A 20191217; CN 110583099 B 20221111; EP 3616471 A1 20200304; EP 3616471 B1 20240131; FR 3065822 A1 20181102; FR 3065822 B1 20200828; KR 102271012 B1 20210629; KR 20190126933 A 20191112; US 11041598 B2 20210622; US 2020149698 A1 20200514

DOCDB simple family (application)  
**EP 2018060918 W 20180427**; CN 201880027754 A 20180427; EP 18719209 A 20180427; FR 1753786 A 20170428; KR 20197031925 A 20180427; US 201816609031 A 20180427