

Title (en)
OPTICS DEVICE FOR STAGE LIGHTING

Title (de)
OPTISCHE VORRICHTUNG FÜR BÜHNENBELEUCHTUNG

Title (fr)
DISPOSITIF OPTIQUE POUR ÉCLAIRAGE SCÉNIQUE

Publication
EP 2414874 A1 20120208 (EN)

Application
EP 10712995 A 20100325

Priority
• IB 2010051321 W 20100325
• US 16522609 P 20090331

Abstract (en)
[origin: WO2010113091A1] An optics device for stage lighting is disclosed. In one embodiment of the optics device, an LED chip (30) provides a plurality of sources of light (G, R, B, W). An optical conductor (32), which may be a mixing tubular (32), is superposed on the LED chip (30) to mix the light received from the plurality of sources of light (G, R, B, W). After passing through the optical conductor (32), the mixed light enters a compound parabolic concentrator (34) which is coupled to the optical conductor (32). The compound parabolic concentrator (34) collimates the light received from the optical conductor (32) such that a homogeneous pupil (90) is emitted.

IPC 8 full level
G02B 6/00 (2006.01); **B60Q 1/02** (2006.01); **B60Q 1/04** (2006.01); **F21K 99/00** (2010.01); **F21S 8/10** (2006.01); **F21V 7/00** (2006.01); **F21V 13/04** (2006.01); **F24S 23/00** (2018.01); **F24S 23/70** (2018.01); **G02B 17/08** (2006.01); **G02B 27/09** (2006.01)

CPC (source: EP US)
G02B 6/0033 (2013.01 - EP US); **G02B 6/0045** (2013.01 - EP); **G02B 6/0046** (2013.01 - EP); **G02B 19/0028** (2013.01 - EP); **G02B 19/0066** (2013.01 - EP); **G02B 27/0994** (2013.01 - EP); **F21W 2131/406** (2013.01 - EP); **F21Y 2113/13** (2016.08 - EP US); **F21Y 2115/10** (2016.08 - EP US)

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010113091 A1 20101007; BR PI1007104 A2 20190924; CA 2757048 A1 20101007; CN 102378929 A 20120314; EP 2414874 A1 20120208; JP 2012522348 A 20120920; RU 2011143852 A 20130510

DOCDB simple family (application)
IB 2010051321 W 20100325; BR PI1007104 A 20100325; CA 2757048 A 20100325; CN 201080015225 A 20100325; EP 10712995 A 20100325; JP 2012502852 A 20100325; RU 2011143852 A 20100325