

Title (en)  
LIGHT SOURCE SYSTEM AND ILLUMINATION SYSTEM

Title (de)  
LICHTQUELLENSYSTEM UND BELEUCHTUNGSSYSTEM

Title (fr)  
SYSTÈME DE SOURCE DE LUMIÈRE ET SYSTÈME D'ÉCLAIRAGE

Publication  
**EP 3392549 A1 20181024 (EN)**

Application  
**EP 16874830 A 20161214**

Priority  
• CN 201521054569 U 20151216  
• CN 2016109806 W 20161214

Abstract (en)  
The present utility model discloses a light source system and a lighting apparatus. A first light-emitting subsystem includes a laser light source array; and a wavelength conversion apparatus disposed on an output light path of the laser light source array, where the wavelength conversion apparatus includes at least one wavelength conversion area. A second light-emitting subsystem includes a first light emitting diode (LED) array disposed on an output light path of the wavelength conversion apparatus, where a light-emitting surface of the first LED array is facing away from the wavelength conversion apparatus, and the first LED array includes a first light transmitting hole that allows light to pass through and that coincides with the output light path of the wavelength conversion apparatus. A light source shaping subsystem includes an integration lens group disposed on an output light path of the first LED array; a first condensing lens disposed on a side of the integration lens group that is facing away from the first LED array; and a moveable optical block disposed on a side of the first condensing lens that is facing away from the integration lens group, where the moveable optical block can move into or move out of an output light path of the first condensing lens. A luminous flux output is increased, and a size of an output light spot of the light source system is switched.

IPC 8 full level  
**F21S 2/00** (2016.01); **F21V 13/00** (2006.01); **F21V 14/00** (2018.01); **F21Y 115/10** (2016.01); **F21Y 115/30** (2016.01)

CPC (source: EP US)  
**F21V 5/008** (2013.01 - EP US); **F21V 9/30** (2018.01 - EP US); **F21V 9/40** (2018.01 - EP US); **F21V 13/14** (2013.01 - EP US); **F21V 9/20** (2018.01 - EP US); **F21V 14/06** (2013.01 - EP); **F21V 29/51** (2015.01 - EP); **F21W 2131/406** (2013.01 - EP); **F21Y 2113/20** (2016.07 - EP); **F21Y 2115/10** (2016.07 - EP); **F21Y 2115/30** (2016.07 - EP)

Cited by  
CN112162412A; US11047547B2

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)  
**EP 3392549 A1 20181024**; **EP 3392549 A4 20190814**; **EP 3392549 B1 20210922**; CN 205350946 U 20160629; WO 2017101773 A1 20170622

DOCDB simple family (application)  
**EP 16874830 A 20161214**; CN 201521054569 U 20151216; CN 2016109806 W 20161214