

Title (en)

OPTICAL SYSTEM FOR INFLUENCING THE LIGHT OUTPUT OF A LIGHT SOURCE

Title (de)

OPTISCHES SYSTEM ZUM BEEINFLUSSEN DER LICHTABGABE EINER LICHTQUELLE

Title (fr)

SYSTÈME OPTIQUE DESTINÉ À INFLUER SUR L'ÉMISSION DE LUMIÈRE D'UNE SOURCE DE LUMIÈRE

Publication

**EP 3408587 A1 20181205 (DE)**

Application

**EP 17701834 A 20170123**

Priority

- DE 102016201347 A 20160129
- EP 2017051273 W 20170123

Abstract (en)

[origin: WO2017129503A1] The invention relates to an optical system for influencing the light output of a light source comprising a cup-like reflector (20), which has a light outlet opening (21), and comprising a lens (10), which is designed to radiate a first proportion of the light via the light outlet opening (21) of the reflector (20) in a preferred direction defined by the lens (10), wherein the lens (10, 60) is also configured to emit a second proportion of the light laterally in such a way that said proportion falls onto the reflector inner wall.

IPC 8 full level

**F21V 13/04** (2006.01); **F21V 5/04** (2006.01); **F21V 5/08** (2006.01); **F21V 7/00** (2006.01); **F21V 7/22** (2018.01); **F21Y 105/16** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: AT EP US)

**F21V 5/04** (2013.01 - AT); **F21V 5/045** (2013.01 - AT EP US); **F21V 5/08** (2013.01 - AT EP US); **F21V 7/0083** (2013.01 - AT EP); **F21V 7/04** (2013.01 - AT); **F21V 13/04** (2013.01 - AT EP US); **F21Y 2105/16** (2016.08 - EP); **F21Y 2115/10** (2016.08 - EP)

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)

**DE 102016201347 A1 20170803**; **DE 102016201347 B4 20240919**; AT 16514 U1 20191115; EP 3408587 A1 20181205; EP 3408587 B1 20201209; WO 2017129503 A1 20170803

DOCDB simple family (application)

**DE 102016201347 A 20160129**; AT 1762016 U 20160714; EP 17701834 A 20170123; EP 2017051273 W 20170123