

Title (en)  
Lamp

Title (de)  
Leuchte

Title (fr)  
Eclairage

Publication  
**EP 2650597 A3 20141105 (DE)**

Application  
**EP 13001778 A 20130408**

Priority  
DE 102012006999 A 20120410

Abstract (en)  
[origin: EP2650597A2] The lamp (10) has a light emission surface (42) that is provided with a LED (11). A collimator optic (12) is provided with a light emission surface of cross-light entrance surface (20) and a light exit surface (23), such that reflected beam angle of collimator optic is set between 40-120 [deg] . An opaque low beam element (13) e.g. reflector is arranged in main radiation pattern of light behind the collimator optic.

IPC 8 full level  
**F21S 8/02** (2006.01); **F21S 8/04** (2006.01); **F21V 5/04** (2006.01); **F21V 7/00** (2006.01); **F21V 7/22** (2006.01); **F21V 13/04** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)  
**F21S 8/026** (2013.01 - EP US); **F21S 8/04** (2013.01 - EP); **F21V 5/04** (2013.01 - EP US); **F21V 5/08** (2013.01 - EP US); **F21V 7/00** (2013.01 - EP); **F21V 7/22** (2013.01 - EP US); **F21V 13/04** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

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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 2650597 A2 20131016; EP 2650597 A3 20141105**; CN 103363409 A 20131023; DE 102012006999 A1 20131010

DOCDB simple family (application)  
**EP 13001778 A 20130408**; CN 201310294291 A 20130410; DE 102012006999 A 20120410