

Title (en)

LED headlamp and illumination system with such a headlamp

Title (de)

LED-Scheinwerfer und Beleuchtungssystem mit einem solchen Scheinwerfer

Title (fr)

Phares DEL et système d'éclairage doté de tels phares

Publication

EP 1837590 A1 20070926 (DE)

Application

EP 07005834 A 20070321

Priority

DE 202006004481 U 20060321

Abstract (en)

The head light has one or more light source, which has one or more light emitting diodes (LEDs), whereby a lens (24) is arranged to one or more LEDs (22), which bundles the light of the LEDs. The centerline of two radiation beam is not parallel, which are emitted by the lens arranged in the LEDs. An independent claim is also included for lighting system.

Abstract (de)

Die Erfindung betrifft einen Scheinwerfer für Beleuchtungszwecke mit einer oder mehreren Lichtquellen, welcher dadurch gekennzeichnet ist, daß er eine oder mehrere Leuchtdioden (LEDs) aufweist, wobei einer oder mehreren LEDs eine Linse zugeordnet ist, welche das Licht der LEDs bündelt.

IPC 8 full level

F21V 14/02 (2006.01); **F21K 99/00** (2010.01); **F21V 7/00** (2006.01); **F21V 14/06** (2006.01)

CPC (source: EP US)

F21S 6/005 (2013.01 - EP); **F21S 8/086** (2013.01 - EP); **F21V 5/04** (2013.01 - EP US); **F21V 7/0008** (2013.01 - EP); **F21V 14/02** (2013.01 - EP US); **F21V 14/04** (2013.01 - EP); **F21V 14/06** (2013.01 - EP); **F21W 2131/10** (2013.01 - EP); **F21W 2131/103** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)

- US 2005162854 A1 20050728 - FINCH TIMOTHY S [US]
- DE 202004009691 U1 20041125 - PREMIER ELEKTRONIK GMBH [DE]
- DE 10142582 A1 20030403 - HUBER SIGNALBAU MUENCHEN [DE]
- WO 2004066002 A1 20040805 - FRAEN CORP SRL [IT], et al
- DE 20319107 U1 20040415 - DIALIGHT CORP [US]

Citation (search report)

- [X] US 2005162854 A1 20050728 - FINCH TIMOTHY S [US]
- [X] DE 10142582 A1 20030403 - HUBER SIGNALBAU MUENCHEN [DE]
- [X] DE 202004009691 U1 20041125 - PREMIER ELEKTRONIK GMBH [DE]
- [X] WO 2004066002 A1 20040805 - FRAEN CORP SRL [IT], et al
- [X] DE 20319107 U1 20040415 - DIALIGHT CORP [US]
- [A] DE 20009448 U1 20000817 - MUELLER MARKUS [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 202006004481 U1 20060524; AT E523733 T1 20110915; EP 1837590 A1 20070926; EP 1837590 B1 20110907; EP 2264362 A1 20101222; EP 2264362 B1 20200729

DOCDB simple family (application)

DE 202006004481 U 20060321; AT 07005834 T 20070321; EP 07005834 A 20070321; EP 10182275 A 20070321