Title (en)

OPTICAL LENS FOR ILLUMINATION PURPOSES

Title (de)

OPTISCHE LINSE FÜR BELEUCHTUNGSZWECKE

Title (fr)

LENTILLE OPTIQUE POUR APPLICATIONS D'ÉCLAIRAGE

Publication

EP 3465315 A1 20190410 (DE)

Application

EP 17731813 A 20170601

Priority

- EP 16173022 A 20160604
- EP 2017063282 W 20170601

Abstract (en)

[origin: WO2017207683A1] Optical lenses for illumination purposes (L) are proposed, comprising a lateral surface (C) and a light exit surface (B), wherein the underside is shaped in a plane fashion and has an optical relevant cutout for receiving a light source, which is distinguished by the fact that the lens (L) has a lateral surface (C) that is wholly reflectively coated, and has a light exit surface (B) having the two vertices (b1) and (b2), wherein (b1) and (b2) represent respectively the highest and lowest vertices upon the transition from the light exit surface (B) to the lateral surface (C).

IPC 8 full level

F21V 5/04 (2006.01); **F21V 5/08** (2006.01); **F21V 13/04** (2006.01); **G02B 17/08** (2006.01); **G02B 19/00** (2006.01); F21W 131/101 (2006.01); F21W 131/103 (2006.01); F21Y 115/10 (2016.01); F21Y 115/15 (2016.01)

CPC (source: EP US)

F21V 5/04 (2013.01 - EP US); **F21V 5/048** (2013.01 - US); **F21V 5/08** (2013.01 - EP US); **G02B 19/0028** (2013.01 - EP US); **G02B 19/0061** (2013.01 - EP US); F21W 2131/00 (2013.01 - EP); F21W 2131/101 (2013.01 - EP US); F21W 2131/103 (2013.01 - EP US); F21Y 2115/10 (2016.07 - EP US)

Citation (search report)

See references of WO 2017207683A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

EP 2017063282 W 20170601; CN 201780033891 A 20170601; EP 17731813 A 20170601; US 201716305586 A 20170601