

Title (en)  
AUTOMOTIVE LIGHTING UNIT

Title (de)  
BELEUCHTUNGSEINHEIT FÜR KRAFTFAHRZEUGE

Title (fr)  
UNITÉ D'ÉCLAIRAGE D'AUTOMOBILE

Publication  
**EP 3270044 A1 20180117 (EN)**

Application  
**EP 17181562 A 20170714**

Priority  
IT 201600074010 A 20160715

Abstract (en)  
An automotive lighting unit (1) comprising a lighting assembly (5) capable of backlighting a transparent or semi-transparent portion (3a) of the front half-shell (3); the lighting assembly (5) comprising: a platelike light-guide body (6) made of photoconductive material, which is arranged inside the rear casing (2) with its front sidewall (7) facing said transparent or semi-transparent portion (3a), and with its rear side (8) facing the rear casing (2); and a series of LED diodes (10) which are spaced one side-by-side the other along a reference line that substantially follows the shape of the rear sidewall (8) of the platelike light-guide body (6), which face the rear sidewall (8) so as to direct the light towards the rear sidewall (8), and which are spaced from the rear sidewall (8) of the platelike light-guide body (6) so that the intersection line (f) of the light cones (C) emitted by the LED diodes (10) is located between the rear sidewall (8) of the platelike light-guide body (6) and the same LED diodes (10).

IPC 8 full level  
**F21S 43/239** (2018.01); **F21S 43/243** (2018.01); **F21S 43/249** (2018.01); **F21S 43/14** (2018.01); **F21Y 103/30** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP)  
**F21S 43/239** (2017.12); **F21S 43/243** (2017.12); **F21S 43/249** (2017.12); **F21S 43/14** (2017.12); **F21Y 2103/30** (2016.07); **F21Y 2115/10** (2016.07)

Citation (search report)  
• [XYI] JP 2015201278 A 20151112 - KOITO MFG CO LTD  
• [YA] FR 3008778 A1 20150123 - RENAULT SA [FR]  
• [YA] WO 2015075668 A1 20150528 - AUTOMOTIVE LIGHTING ITALIA SPA [IT]  
• [YA] DE 102010054923 A1 20120621 - VOLKSWAGEN AG [DE]  
• [A] US 2013058112 A1 20130307 - YANG HSIU-PEN [TW]  
• [A] DE 102011103179 A1 20121206 - HELLA KGAA HUECK & CO [DE]

Cited by  
EP3534062A1; FR3078559A1

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 3270044 A1 20180117**; **EP 3270044 B1 20200916**; ES 2833361 T3 20210615; IT 201600074010 A1 20180115; PL 3270044 T3 20210419

DOCDB simple family (application)  
**EP 17181562 A 20170714**; ES 17181562 T 20170714; IT 201600074010 A 20160715; PL 17181562 T 20170714