

Title (en)  
VEHICLE LIGHT

Title (de)  
FAHRZEUGLEUCHTE

Title (fr)  
LAMPE POUR VÉHICULE

Publication  
**EP 3301352 A1 20180404 (EN)**

Application  
**EP 17193888 A 20170928**

Priority  
IT 201600098165 A 20160930

Abstract (en)

Vehicle light (4) comprising a container body (8) that delimits a containment seat (12) housing a plurality of light sources (16), the container body (8) containing a light guide (32) having a light guide body (36) extending from a first to a second end (40,44) along a main direction of extension (S-S), a lenticular body (20) applied on the container body (8) so as to close said containment seat (12), the lenticular body (20) being made from transparent or semi-transparent or translucent material with respect to a beam of light (F', F'') emitted by said light sources (16). The plurality of light sources (16) comprise a first light source (16A) facing said first end (40) so as to inject a first beam of light (F') in the light guide (32) through said first end (40) and a second light source (16B) facing said second end (44), so as to inject a second light beam (F'') in the light guide (32) through said second end (44). The light guide body (36) is shaped to transmit by total internal reflection the beams of light (F', F'') injected into it, and comprises a plurality of extractor or deflector elements (60',60'') configured to extract the light beams (F', F'') according to a main longitudinal direction (X-X) towards the lenticular body (20). The light guide body (36) comprises a first appendage (64) which forks from the light guide body (36) on the side of the first end (40) so as to position itself, with respect to the longitudinal direction (X-X), between the light guide body (36) and the lenticular body (20) in order to cover the first light source (16A), wherein the light guide body (36) comprises a second appendage (68) which forks from the light guide body (36) on the side of the second end (44) so as to position itself, with respect to the longitudinal direction (X-X), between the light guide body (36) and the lenticular body (20) in order to cover the second light source (16B). The light guide (32) being shaped so that the first appendage (64) receives at least partially the second beam (F'') produced by the second light source (16B) and extracts it along the main direction (X-X), and the second appendage (68) receives at least partially the first beam of light (F') produced by the first light source (16A) and extracts it along the main direction (X-X).

IPC 8 full level  
**F21S 43/14** (2018.01); **F21S 43/237** (2018.01); **F21S 43/245** (2018.01); **F21S 43/249** (2018.01); **F21Y 115/10** (2016.01)

CPC (source: EP)  
**F21S 43/14** (2017.12); **F21S 43/237** (2017.12); **F21S 43/245** (2017.12); **F21S 43/249** (2017.12)

Citation (search report)

- [Y] WO 2015029852 A1 20150305 - KOITO MFG CO LTD [JP]
- [Y] EP 1434000 A2 20040630 - VALEO VISION [FR]
- [Y] DE 102008034052 A1 20100128 - HELLA KGAA HUECK & CO [DE]
- [A] EP 2607777 A1 20130626 - AUTOMOTIVE LIGHTING ITALIA SPA [IT]
- [A] EP 2261083 A1 20101215 - FUJIKURA LTD [JP], et al
- [A] US 2016193954 A1 20160707 - NAKADA ASAMI [JP], et al

Cited by  
WO2022007958A1; WO2021170497A1

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