

Title (en)

ROTATING LIGHTING MODULE FOR VEHICLES AND ASSOCIATED LIGHTING DEVICE FOR VEHICLES

Title (de)

ROTIERENDES BELEUCHTUNGSMODUL FÜR FAHRZEUGE UND ZUGEHÖRIGE BELEUCHTVORRICHTUNG FÜR FAHRZEUGE

Title (fr)

MODULE D'ÉCLAIRAGE ROTATIF POUR VÉHICULES ET DISPOSITIF D'ÉCLAIRAGE ASSOCIÉ POUR VÉHICULES

Publication

EP 3441665 A1 20190213 (EN)

Application

EP 17185381 A 20170808

Priority

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Abstract (en)

Lighting module (5) for vehicles including a light source (6), a reflector (7) and an actuator (8) to rotate the reflector relative to the light source around a first axis (A); wherein the reflector forms, together with a lens (9) assembled angularly rigid therewith, a rotating unit (10) powered by the actuator and wherein the light source, the actuator and the rotating optical unit are operatively associated with a framed support (11) formed by a rigid metallic structure; the rotating optical unit (10) is supported in idly manner solely by a bottom portion (14) of the framed support (11) as a first sub-assembly (15) completely independent of an upper portion (16) of the framed support (11) bearing the light source (6), which forms, with a printed circuit board (12) and electronic components (13) a second sub-assembly (18) supported solely by the upper portion (16) of the framed support (11), the first sub-assembly (15) being mechanically disconnected in rotation from the second sub-assembly (18).

IPC 8 full level

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CPC (source: CN EP)

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Citation (applicant)

- EP 2902701 A1 20150805 - VALEO VISION [FR]
- FR 3022322 A1 20151218 - VALEO VISION [FR]

Citation (search report)

- [IAY] EP 3176493 A1 20170607 - AUTOMOTIVE LIGHTING ITALIA SPA [IT], et al
- [IAY] DE 202015009210 U1 20161124 - VALEO VISION [FR]
- [YA] CN 106500028 A 20170315 - MAGNETI MARELLI AUTOMOTIVE COMPONENTS (WUHU) CO LTD
- [Y] US 2013051059 A1 20130228 - ABAI ROBERT [HU], et al
- [Y] FR 3004396 A1 20141017 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
- [A] FR 3016566 A1 20150724 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
- [A] JP 2017013734 A 20170119 - NTN TOYO BEARING CO LTD

Designated contracting state (EPC)

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