

Title (en)

LIGHTING MODULE PROVIDED WITH A MICRO-MIRROR ARRAY WITH OPTIMISED COOLING

Title (de)

BELEUCHTUNGSMODUL, DAS MIT EINER MIKRO-SPIEGEL-MATRIX MIT OPTIMISierter KÜHLUNG AUSGESTATTET IST

Title (fr)

MODULE D'ÉCLAIRAGE ÉQUIPÉ D'UNE MATRICE DE MICRO-MIROIRS À REFROIDISSEMENT OPTIMISÉ

Publication

EP 3543597 B1 20220525 (FR)

Application

EP 19164754 A 20190322

Priority

FR 1852522 A 20180323

Abstract (en)

[origin: CN110296374A] A lighting module (3) for a headlight (2) of a motor vehicle (1). The lighting module comprises: a first region (Z1) comprising at least one light source (22') and a micro-mirror matrix (24); a second region (Z2) comprising a first heat sink (26) for dissipating heat generated by the light source (22'); a third region (Z3) comprising a second heat sink (27) for dissipating heat generated by the micro-mirror matrix (24); at least one airflow generating device (31', 32') for generating airflow in the first region (Z1), the second region (Z2) and the third region (Z3). The first region (Z1), the second region (Z2) and the third region (Z3) are different from each other. The first region (Z1) is vertically arranged between the second region (Z2) and the third region (Z3), and includes an air outlet (30).

IPC 8 full level

F21S 41/675 (2018.01); **F21S 41/147** (2018.01); **F21S 45/43** (2018.01)

CPC (source: CN EP)

F21S 41/141 (2017.12 - CN); **F21S 41/30** (2017.12 - CN); **F21S 41/675** (2017.12 - CN EP); **F21S 45/43** (2017.12 - CN EP); **F21S 45/47** (2017.12 - CN); **F21V 14/04** (2013.01 - CN); **F21V 29/67** (2015.01 - CN); **F21S 41/147** (2017.12 - EP); **F21W 2102/20** (2017.12 - CN)

Cited by

CN111692573A; CN111561685A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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