

Title (en)

Lighting and/or signalling device and motor vehicle including such a device

Title (de)

Vorrichtung zur Beleuchtung und/oder Signalisierung, und Kraftfahrzeug, das eine solche Vorrichtung umfasst

Title (fr)

Dispositif d'éclairage et/ou de signalisation et véhicule automobile comprenant un tel dispositif

Publication

EP 2604915 A1 20130619 (FR)

Application

EP 12196229 A 20121210

Priority

FR 1161662 A 20111215

Abstract (en)

The device e.g. front projector (1), has including a transparent element (8) for sealing a case (2), partially. A light source (3) is placed in an internal volume (Vi) defined by the case and the transparent element. An ionization device (12) emits starter particles e.g. positive and/or negative ions (13), and silver iodide particles, in the volume, where the particles are adapted to be associated with dust particles and/or water particles in suspension in the volume. The ionization device is arranged in a rear portion of the case.

Abstract (fr)

Selon l'invention, le dispositif d'éclairage et/ou de signalisation (1) - qui comprend un boîtier (2), un élément transparent (8) obturant le boîtier (2) et une source lumineuse (3) disposée dans un volume interne (Vi) délimité par le boîtier (2) et l'élément transparent (8) associé - comporte en outre des moyens (12) pour émettre, dans le volume interne (Vi), des particules d'amorce (13) aptes à s'associer avec des particules de poussière et/ou des particules d'eau en suspension dans ledit volume interne (Vi).

IPC 8 full level

F21S 8/10 (2006.01); **F21V 31/00** (2006.01); **F21W 107/10** (2018.01); **F21Y 101/00** (2016.01)

CPC (source: EP US)

F21S 41/141 (2017.12 - EP US); **F21S 43/14** (2017.12 - EP); **F21S 45/30** (2017.12 - EP US)

Citation (applicant)

US 7262388 B2 20070828 - MORETH CARY [US], et al

Citation (search report)

- [A] WO 2005047766 A1 20050526 - PHOENIX ELECTRIC CO LTD [KR], et al
- [A] US 4926293 A 19900515 - SABA MOUNIR G [CA]
- [A] GB 835972 A 19600601 - RAYMOND MARCEL GUT BOUCHER
- [A] CN 1256860 A 20000621 - QINGHAI PROVINCIAL ARTIFICIAL [CN]
- [A] US 3788543 A 19740129 - AMAND P, et al

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 2604915 A1 20130619; **EP 2604915 B1 20141022**; CN 103158601 A 20130619; CN 103158601 B 20170412; FR 2984462 A1 20130621; JP 2013125751 A 20130624; JP 6113488 B2 20170412

DOCDB simple family (application)

EP 12196229 A 20121210; CN 201210544865 A 20121214; FR 1161662 A 20111215; JP 2012273161 A 20121214