

Title (en)

Lighting and/or signalling device comprising an energy converter element

Title (de)

Vorrichtung zur Beleuchtung und/oder Signalisierung, die mit einem Energieumwandlungselement ausgestattet ist

Title (fr)

Dispositif d'éclairage et/ou de signalisation comportant un élément convertisseur d'énergie

Publication

**EP 2479488 A1 20120725 (FR)**

Application

**EP 12152298 A 20120124**

Priority

FR 1150540 A 20110124

Abstract (en)

The device (1) has a multi-junction photovoltaic cell (7) placed side by side to an LED (2). The cell converts light energy into electric power, where the electric power is supplied to the LED. A case (B) defines an enclosure (E) for receiving the LED. The cell is arranged in the enclosure. A lens (4) e.g. Fresnel lens, is engaged with the LED for forming preset light beam e.g. high beam. The cell is arranged at a rear side of the lens so as to receive the light passed through the lens. The cell is arranged partially behind a shield of the enclosure.

Abstract (fr)

L'invention a pour objet un dispositif d'éclairage et/ou de signalisation (1), notamment pour véhicule automobile, comportant : - au moins une source lumineuse (2) à alimentation électrique, - au moins un élément convertisseur (7) pour convertir de l'énergie lumineuse en énergie électrique, laquelle énergie est utilisable pour alimenter électriquement la source lumineuse.

IPC 8 full level

**F21S 9/03** (2006.01); **F21S 8/12** (2006.01); **F21W 107/10** (2018.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)

**F21S 9/03** (2013.01 - EP US); **F21S 41/148** (2017.12 - EP US); **F21S 45/10** (2017.12 - EP)

Citation (search report)

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- [X] FR 2942022 A1 20100813 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
- [X] JP H10240175 A 19980911 - MATSUSHITA ELECTRIC IND CO LTD
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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 2479488 A1 20120725; EP 2479488 B1 20170906**; FR 2970761 A1 20120727

DOCDB simple family (application)

**EP 12152298 A 20120124**; FR 1150540 A 20110124