Title (en)

Method and switching for temperature regulation in a vehicle headlamp

Title (de)

Verfahren und Steuergerät zur Temperaturregulierung in einem Kraftfahrzeugscheinwerfer

Title (fr)

Procédé et appareil de commande de la régulation de la température dans un phare de véhicule automobile

Publication

EP 2157371 A3 20111123 (DE)

Application

EP 09450126 A 20090708

Priority

AT 12472008 A 20080811

Abstract (en)

[origin: EP2157371A2] The method involves determining power supply actually supplied to a headlamp interior space during operation of a headlamp. Actually possible power output is determined from a headlamp interior space comprising LED light sources, and power consumption is determined based on the determined power supply and the power output. Determination is made whether and which of heat regulation measures e.g. activation of a cooler and dimming of LED light sources, for the space are performed. Power supply parameters of the headlamp are measured for determining the power supply.

IPC 8 full level

F21V 23/04 (2006.01); **F21V 29/02** (2006.01); **H05B 44/00** (2022.01); F21S 8/12 (2006.01); F21W 101/10 (2006.01)

CPC (source: EP US)

F21S 41/148 (2017.12 - EP); **F21S 45/43** (2017.12 - EP); **F21V 23/0442** (2013.01 - EP US); **F21V 29/507** (2015.01 - US); **F21V 29/70** (2015.01 - US); **H05B 45/00** (2020.01 - EP US); **H05B 45/18** (2020.01 - EP US); **H05B 45/56** (2020.01 - EP US)

Citation (search report)

- [Y] DE 10335293 A1 20050217 - VOLKSWAGEN AG [DE]
- [Y] EP 1643188 A1 20060405 - OSRAM OPTO SEMICONDUCTORS GMBH [DE]
- [A] DE 102005042095 A1 20060406 - DENSO CORP [JP]

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DE102015009097A1; EP2615886A1; FR3096757A1; DE102018000080A1; US8754593B2; WO2012151116A3; CN113924824A; JP2022529800A; WO2020239875A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2157371 A2 20100224; **EP 2157371 A3 20111123**; **EP 2157371 B1 20160316**; AT 507082 A4 20100215; AT 507082 B1 20100215

DOCDB simple family (application)

EP 09450126 A 20090708; AT 12472008 A 20080811