

Title (en)

METAL HALIDE LAMP FOR AUTOMOTIVE HEADLAMP AND HEADLAMP WITH SAID LAMP

Title (de)

METALLHALOGENIDLAMPE FÜR KRAFTFAHRZEUGSCHEINWERFER UND SCHEINWERFER MIT EINER SOLCHEN LAMPE

Title (fr)

LAMPE AUX HALOGÉNURES POUR PHARE D'AUTOMOBILE ET PHARE ÉQUIPÉ DE LADITE LAMPE

Publication

EP 2745308 B1 20151209 (EN)

Application

EP 12788277 A 20120928

Priority

- US 201161542947 P 20111004
- IB 2012055193 W 20120928

Abstract (en)

[origin: WO2013050914A1] A discharge lamp and a headlamp with a discharge lamp are described. The discharge lamp¹⁰ includes a discharge vessel¹⁶ with electrodes 20 for generating an electrical arc. The discharge vessel includes a filling with a rare gas and metal halides. In order to avoid inhomogeneities from scattering at a salt pool 22 within the discharge vessel, the lamp further comprises a diffusing portion 24 arranged such that at least a portion of light emitted below a horizontal is diffused, and that light emitted above the horizontal is not diffused. A headlamp comprises a reflector 32 with an upper reflector portion 36 reflecting light emitted above a horizontal and a lower reflector portion 38 reflecting light emitted below. The diffusing portion 24 is arranged such that at least a portion of light reflected at the lower reflector portion 38 is diffused, and that light reflected at the upper reflector portion 36 is not diffused.

IPC 8 full level

H01J 61/30 (2006.01); **H01J 61/35** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP)

H01J 61/30 (2013.01); **H01J 61/35** (2013.01); **H01J 61/827** (2013.01)

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

DOCDB simple family (publication)

WO 2013050914 A1 20130411; CN 103843108 A 20140604; CN 103843108 B 20161228; EP 2745308 A1 20140625; EP 2745308 B1 20151209

DOCDB simple family (application)

IB 2012055193 W 20120928; CN 201280049045 A 20120928; EP 12788277 A 20120928