

Title (en)

Noble gas short arc discharge lamp

Title (de)

Edelgas-Kurzbogen-Entladungslampe

Title (fr)

Lampe à décharge à gaz noble à arc court

Publication

EP 2390902 A1 20111130 (DE)

Application

EP 11160429 A 20110330

Priority

DE 102010028472 A 20100503

Abstract (en)

The lamp has a discharge vessel (1) arranged in an anode (2) and a cathode (3). The discharge vessel comprises a coating (8) in sections for reflection of infrared rays. The coating is provided for visible light. The coating comprises multiple layers made of silicon oxide and niobium oxide in an alternative manner, where the coating ranges from 37 to 80 layers. The coating is adjacently attached to the anode at the discharge vessel. The discharge vessel is coated to a large extent or completely. The discharge vessel is filled with pure xenon gas.

Abstract (de)

Offenbart ist eine Edelgas-Kurzbogen-Entladungslampe (1) mit einem Entladungsgefäß und darin angeordneten Elektroden (2, 3). Dabei weist das Entladungsgefäß zur Wärmelsolierung zumindest abschnittsweise eine Beschichtung (8) auf, die zur Reflexion von Infrarotstrahlen dient.

IPC 8 full level

H01J 61/35 (2006.01); **H01J 61/86** (2006.01)

CPC (source: EP US)

H01J 61/35 (2013.01 - EP US); **H01J 61/86** (2013.01 - EP US)

Citation (applicant)

EP 1217644 B1 20090107 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]

Citation (search report)

- [Y] US 2004057250 A1 20040325 - ROBERTS ROY D [US], et al
- [YD] EP 1217644 A1 20020626 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [Y] WO 2006027724 A1 20060316 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] US 3988626 A 19761026 - BOUDOURIS ANGELO
- [A] MSSSCIENTIFIC CHROMATOGRAPHIE-HANDEL GMBH: "UXR Ceramic Xenon Short-Arc Lamps from Ushio", 22 March 2009 (2009-03-22), XP002660402, Retrieved from the Internet <URL:http://web.archive.org/web/20090322041816/http://www.msscscientific.de/ushio_uxr_xenon_short_arc_lamps.htm> [retrieved on 20110928]

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 2390902 A1 20111130; CN 102237253 A 20111109; DE 102010028472 A1 20111103; US 2011304267 A1 20111215

DOCDB simple family (application)

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