

Title (en)

Luminous vessels for high luminance discharge lamps

Title (de)

Entladungsgefäß für Entladungslampen hoher Intensität

Title (fr)

Réceptifs lumineux pour lampes à décharge haute luminance

Publication

EP 2172961 B1 20110413 (EN)

Application

EP 09169339 A 20090903

Priority

JP 2008226796 A 20080904

Abstract (en)

[origin: EP2172961A1] An object of the present invention is to improve the color temperature stability of light emission and maintain durability when repeating light-on and light-off, while narrowing light emission from the light-emitting vessel. A light-emitting container 1 for a high intensity discharge lamp includes: a light-emitting vessel 7 of a translucent polycrystalline ceramics having a substantially constant linear transmittance in a visible light region and having a central light-emitting portion 7e, thick portions 7d provided on both sides of the central light-emitting portion 7e and thicker than the central light-emitting portion 7e, respectively, and side end portions 7c provided on outer sides of the thick portions 7d, respectively; tubular portions 3 protruded from the side end portions, respectively; electrodes 5 provided in the inner space of the light-emitting vessel; electrode holding members 2 inserted through the tubular portions and holding the electrodes, respectively; a sealing material 4 sealing a space between the tubular portion and electrode holding member; and light-shielding films 11 for coating the outer surface 7b of the thick portions over full-circumference around a tube axis of the light-emitting vessel. The outer surfaces of the central light-emitting portion 7e, the side end portions 7c and the tubular portions 3 are not coated with the light-shielding film.

IPC 8 full level

H01J 61/30 (2006.01); **H01J 61/35** (2006.01); **H01J 61/86** (2006.01)

CPC (source: EP)

H01J 61/302 (2013.01); **H01J 61/35** (2013.01); **H01J 61/86** (2013.01)

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

DOCDB simple family (publication)

EP 2172961 A1 20100407; **EP 2172961 B1 20110413**; AT E505809 T1 20110415; DE 602009001080 D1 20110526; JP 2010062010 A 20100318; JP 5243153 B2 20130724

DOCDB simple family (application)

EP 09169339 A 20090903; AT 09169339 T 20090903; DE 602009001080 T 20090903; JP 2008226796 A 20080904