

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 A1 20100407 (EN)**

Application

**EP 09169339 A 20090903**

Priority

JP 2008226796 A 20080904

Abstract (en)

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

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Citation (applicant)

- EP 0869540 A1 19981007 - GEN ELECTRIC [US]
- JP H10335059 A 19981218 - GEN ELECTRIC
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- JP 2006093045 A 20060406 - TOSHIBA LIGHTING & TECHNOLOGY
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Citation (search report)

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