

Title (en)

High pressure discharge lamp lighting device, illumination fixture and illumination system using thereof

Title (de)

Beleuchtungsvorrichtung mit Hochdruckentladungslampe, Beleuchtungsbefestigung und Beleuchtungssystem, die diese verwendet

Title (fr)

Dispositif d'éclairage de lampe à décharge haute pression, appareil d'éclairage et système d'éclairage l'utilisant

Publication

EP 2273854 A2 20110112 (EN)

Application

EP 10005221 A 20100519

Priority

JP 2009150311 A 20090624

Abstract (en)

[Object] To provide a high pressure discharge lamp lighting device capable of reducing an excessive stress applied to the high-pressure discharge lamp and realizing a smooth lighting. [Means for Settlement] A high pressure discharge lamp lighting device includes a power conversion circuit which converts a voltage into power required for a high-pressure discharge lamp DL connected as a load and realizes a stable lighting of the high-pressure discharge lamp DL by receiving an output voltage V_{dc} from a DC power source as an input and including at least an inductor L2, a diode D2 and a switching element Q2, and a control circuit 3 for controlling the power conversion circuit, wherein, for a predetermined period immediately after dielectric breakdown in the high-pressure discharge lamp DL, a lamp current is controlled by fixing a switching-on time brought by the switching element Q2 in the power conversion circuit to a predetermined on time Ton.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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