

Title (en)

Discharge lamp lighting device and illumination fixture using the same

Title (de)

Entladungslampen-Beleuchtungsanordnung und Beleuchtungseinrichtung damit

Title (fr)

Dispositif d'éclairage d'une lampe de décharge et accessoire d'éclairage

Publication

EP 2381746 A2 20111026 (EN)

Application

EP 11162647 A 20110415

Priority

JP 2010100261 A 20100423

Abstract (en)

[Object] To provide a discharge lamp lighting device capable of reducing electric stress that is placed on each discharge lamp at the start time, and an illumination fixture using the same. [Means for Settlement] A plurality of discharge lamps La are lit by AC power to which DC power of a DC power source E is converted by an inverter circuit including a switching part 1 and a resonant part 2. The discharge lamp lighting device is provided with: a drive part 3 that drives respective switching elements Q1 and Q2 constituting the switching part 1; a control part 4 that controls the drive part 3; and a lighting detection part 5 that detects the start of a semi-lighting state where a part of the plurality of discharge lamps La is lit. When the lighting detection part 5 detects the start of the semi-lighting state, the control part 4 controls the drive part 3 so as to sufficiently increase a frequency of the AC power supplied to each of the discharge lamps La to decrease an inter-terminal voltage of each of the discharge lamps La, and thereby electric stress placed on each of the discharge lamps La is reduced.

IPC 8 full level

H05B 41/282 (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP)

H05B 41/2827 (2013.01); **H05B 41/2988** (2013.01)

Citation (applicant)

JP 2008218333 A 20080918 - MATSUSHITA ELECTRIC WORKS LTD

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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