

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 2381747 A3 20160928 (EN)

Application

EP 11162649 A 20110415

Priority

JP 2010100260 A 20100423

Abstract (en)

[origin: EP2381747A2] [Object] To provide a discharge lamp lighting device capable of reducing electric stress that is placed on a discharge lamp at the start time, and an illumination fixture using the discharge lamp lighting device. [Means for Settlement] 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 is outputted through windings of the balancer T to thereby light a plurality of discharge lamps La. 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 lighting of a part of the plurality of discharge lamps La. When the lighting detection part 5 detects the start of the lighting, the control part 4 controls the drive part 3 so as to sufficiently increase a frequency of the AC power supplied to the respective discharge lamps La through the balancer T to thereby decrease an effective value of the output voltage Vo of the resonant part 4, and thereby electric stress placed on the respective discharge lamps La is reduced.

IPC 8 full level

H05B 41/282 (2006.01)

CPC (source: EP)

H05B 41/2827 (2013.01)

Citation (search report)

- [YD] JP 2008218333 A 20080918 - MATSUSHITA ELECTRIC WORKS LTD
- [Y] JP 2000012269 A 20000114 - MATSUSHITA ELECTRIC WORKS LTD
- [Y] GB 2292843 A 19960306 - KOITO MFG CO LTD [JP]
- [Y] EP 0821546 A2 19980128 - KOITO MFG CO LTD [JP]
- [Y] JP 2010067562 A 20100325 - PANASONIC ELEC WORKS CO LTD

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 2381747 A2 20111026; EP 2381747 A3 20160928; JP 2011233265 A 20111117

DOCDB simple family (application)

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