

Title (en)

Lighting device, illumination fixture, and illumination system

Title (de)

Beleuchtungsvorrichtung, Beleuchtungsbefestigung und Beleuchtungssystem

Title (fr)

Dispositif d'éclairage, appareil d'éclairage et système d'éclairage

Publication

EP 2434844 A2 20120328 (EN)

Application

EP 11181655 A 20110916

Priority

JP 2010216200 A 20100927

Abstract (en)

[Object] To enable measurement of input power without using a current transformer and obtain input power with sufficient accuracy even if there is a change in the ambient temperature of a light source load. [Means for Settlement] A detection resistor 45 is connected in series to a switching element 42 of a power conversion circuit 4 and detects a current flowing in the switching element 42. By using a power setting value outputted from a power setting part 81 so as to determine a size of power supplied to a discharge lamp 11 and a current detection value corresponding to an output of the detection resistor 45, a power calculation part 83 obtains input power through correction of a fluctuation of a current detection value caused by a change in the ambient temperature of the discharge lamp 11. Here, the power calculation part 83 calculates input power by using a power adjustment value corresponding to a difference between a power setting value and a current detection value, a maximum power value being a power setting value obtained when power is supplied to the discharge lamp 11 at the maximum, and a power setting value.

IPC 8 full level

H05B 41/282 (2006.01)

CPC (source: EP)

H05B 41/2828 (2013.01)

Citation (applicant)

- JP S6413695 A 19890118 - FUJI ELECTRIC CO LTD
- JP 3168842 B2 20010521

Cited by

EP2690931A1; CN103582247A; US9167665B2

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 2434844 A2 20120328; EP 2434844 A3 20120829; EP 2434844 B1 20160803; JP 2012074156 A 20120412; JP 5771769 B2 20150902

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