

Title (en)

Process for recognizing the supply power of discharge lamps and related device

Title (de)

Vorrichtung und Verfahren zum Erkennen der Versorgungsleistung einer Entladungslampe

Title (fr)

Appareil et procédé pour l'identification de la puissance d'alimentation d'une lampe à décharge.

Publication

EP 1881745 B1 20100414 (EN)

Application

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Priority

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Abstract (en)

[origin: EP1881745A1] A device for recognizing the power supply of discharge lamps comprises an output block for the power supplying of the lamp and a power-factor correction block 20 for correcting the power factor on the basis of a given conduction time. A control circuit, such as a microcontroller, which is sensitive to the supply voltage of the lamp, is able to detect the striking voltage of the lamp and to obtain a first recognition of the power supply of the lamp as a function of the striking voltage, likewise estimating the conduction time for the correction of the power factor as a function of the power supply corresponding to the aforesaid first recognition. The control circuit is configured for measuring the conduction time for the correction of the power factor effectively applied to the lamp and comparing the estimated conduction time for the correction of the power factor with the measured one. Consequently: - i) if the estimated conduction time and the measured conduction time are consistent with one another, the control circuit recognizes the power supply as the one corresponding to the first recognition; and - ii) if the estimated conduction time and the measured conduction time are not consistent with one another, the control circuit recognizes the power supply as the one corresponding to the conduction time measured.

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102008027029A1; DE102008047440A1; CN102067734A; AT518059A5; AT518059B1; WO2012042412A3; WO2009146934A3; DE102012014308A1; WO2013152373A1

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