Title (en)

ELECTRONIC BALLAST AND METHOD FOR OPERATING AT LEAST ONE FIRST AND SECOND DISCHARGE LAMP

Title (de)

ELEKTRONISCHES VORSCHALTGERÄT UND VERFAHREN ZUM BETREIBEN MINDESTENS EINER ERSTEN UND EINER ZWEITEN ENTLADUNGSLAMPE

Title (fr)

BALLAST ÉLECTRONIQUE ET PROCÉDÉ POUR FAIRE FONCTIONNER AU MOINS UNE PREMIÈRE ET UNE DEUXIÈME LAMPES À DÉCHARGE

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Application

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Priority

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Abstract (en)

[origin: WO2009059643A1] The invention relates to an electronic ballast for operating at least one first and second discharge lamp, comprising a bridge circuit and inductors connected in series to the respective discharge lamp, a current measuring device (R3), which measures the total current through the first and second inductors, and an actuation circuit for actuating the bridge circuit, a threshold value specification device for specifying a first threshold value for the target value of the total current through the first and second inductors, wherein the electronic ballast furthermore comprises: a starting detection device (20) for detecting whether one of the discharge lamps has started, the threshold value specification device being configured to specify a second threshold value for the target value of the total current through the first and second inductors, the second threshold value being smaller than the first threshold value, and the actuation device being configured to control the bridge circuit while taking the first threshold value into consideration as the target value prior to detecting the starting of a discharge lamp, and while taking the second threshold value into consideration as the target value after detecting the starting of a discharge lamp.

IPC 8 full level

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