

Title (en)
ELECTRONIC BALLAST FOR AT LEAST ONE LOW-PRESSURE DISCHARGE LAMP

Title (de)
ELEKTRONISCHES VORSCHALTGERÄT FÜR MINDESTENS EINE NIEDERDRUCK-ENTLADUNGSLAMPE

Title (fr)
BALLAST ELECTRONIQUE DESTINE A AU MOINS UNE LAMPE A DECHARGE BASSE TENSION

Publication
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Application
EP 00927003 A 20000419

Priority
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• EP 0003573 W 20000419

Abstract (en)
[origin: WO0072640A1] An electronic ballast for a low-pressure discharge lamp (LA) contains an inverter, which is supplied with direct voltage (UBUS) and whose output is connected to a load circuit containing connecting contacts for the lamp (LA). Said ballast also contains a filament transformer, which has a primary winding (Tp) that is connected to the output of the inverter, and a secondary winding (Ts1, Ts2) for heating each of two electrodes of the lamp (LA) respectively, said secondary winding being located in a heating circuit with a filament (W1, W2). Finally, the ballast has a series circuit that lies parallel to the load circuit. Said series circuit contains the primary winding (Tp) of the filament transformer and an electronic switching device (S3, S4). The currents are measured and evaluated in one of the two heating circuits and in the primary winding (Tp) of the filament transformer in order to determine the lamp type and the lamp mode.

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Citation (search report)
See references of WO 0072640A1

Cited by
CN102027809A; DE102008012452A1; DE102007047142A1; DE102008022198A1; DE102008012454A1; WO2009109325A1;
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