

Title (en)  
ELECTRONIC BALLAST

Title (de)  
ELEKTRONISCHES VORSCHALTGERÄT

Title (fr)  
BALLAST ELECTRONIQUE

Publication  
**EP 1201106 A1 20020502 (DE)**

Application  
**EP 00931065 A 20000420**

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Abstract (en)  
[origin: WO0065886A1] The invention relates to an electronic ballast with pre-heating function for operating low pressure discharge lamps. Known electronic ballasts have a current inverter that provides at least one load circuit. Said load circuit comprises a discharge lamp and serial resonant circuit whose capacitor is connected parallel to the discharge lamp. The discharge lamp has heatable electrodes and a transformer whose primary winding is connected in series to the capacitor and whose two secondary windings are both connected in parallel to the electrodes. Said transformer is designed in such a manner that it quickly reaches the state of saturation once it is switched on.

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