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CIRCUIT ARRANGEMENT

Title (de)
SCHALTUNGSANORDNUNG

Title (fr)
MONTAGE

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Abstract (en)
[origin: WO9912402A1] The invention relates to a circuit arrangement for supplying a lamp (La) with a high-frequency current, provided with a DC-AC converter which comprises a bridge circuit provided with bipolar switches (51, 52), a control transformer (Lprim, SEC1, SEC2, P1, P2, Z1, Z3) for rendering the switches conducting and non-conducting, and a ballast coil (Lb, Z2). The control transformer and the ballast coil are integrated into one component in such a manner that the magnetic material surrounded by the secondary windings (SEC1, SEC2) of the control transformer becomes saturated during each high-frequency cycle, whereas the ballast coil does not become saturated. The control of the switches with low power losses and the ballast function are thus effectively realized by means of one component.

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