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Abstract



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An electronic transformer for operating at least one low-voltage halogen lamp (L) contains an inverter (3) with two
5 switches (V1, V2) capable of being switched on and off, for providing an alternating output voltage, a control circuit (μC) for controlling the on and off switching behaviour of the two switches (V1, V2) of the inverter, and a
transformer (4, Tp, Ts1, Ts2), that at the input side is
10 connected to the inverter (3) and to which at the output side is connected a load circuit having the at least one low-voltage halogen lamp (L). For dimming the low-voltage halogen lamp (L), the mark-space-ratio of both switches (V1, V2) is varied in such a way that the delay time (t_{del})
15 between the opening of one of the two switches (V1) and the following closing of the other switch (V2) remains constant, and the on-time (t_{on}) is shortened in each case, thereby facilitating a noiseless dimming.

20 [Fig. 1]