

Title (en)

Electronic ballast for fluorescent lamp

Title (de)

Elektronisches Vorschaltgerät für eine Leuchtstofflampe

Title (fr)

Ballast électronique pour lampe à décharge

Publication

**EP 0831677 A2 19980325 (EN)**

Application

**EP 97304183 A 19970616**

Priority

CN 96119956 A 19960924

Abstract (en)

An electronic ballast for a fluorescent lamp includes a rectifier circuit (11), a filter circuit (16), a high frequency generating and control circuit (17), a starting circuit (18) for the fluorescent tube and main (14) and auxiliary (13) circuits used to increase the power factor of the ballast and to suppress the harmonic current interference. Because of the introduction of the main and the auxiliary current-uninterrupted circuits, the input current is continuous and follows the variation with the input voltage and the power factor of the ballast is increased while the post high frequency generating and control circuit tends to be stable in operation. Furthermore, the interference of the harmonic current for the ballast will be suppressed effectively, the contamination to power network will be reduced and the electrical security in operation will be enhanced. <IMAGE>

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IPC 8 full level

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