

Title (en)

METHOD AND DEVICE FOR OPERATING A FLUORESCENT TUBE IN AN ENERGY SAVING MANNER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ENERGIESPARENDEN BETREIBEN EINER LEUCHTSTOFFRÖHRE

Title (fr)

PROCEDE ET DISPOSITIF DESTINES AU FONCTIONNEMENT ECONOMIQUE D'UN TUBE FLUORESCENT

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Application

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Abstract (en)

[origin: WO03024162A1] The invention relates to a method and a device for operating a fluorescent tube, especially a T5-fluorescent tube in an energy saving manner. In a first operational mode, a spiral-wound filament disposed on an end of the fluorescent tube is impinged upon by a heating current and a second spiral-wound filament disposed on an end opposite the end of the fluorescent tube is impinged upon by a second heating current. The second spiral-wound filament is connected to an energy saving circuit arrangement. In a second mode of operation, impingement of the spiral-wound filament and the second spiral wound filament with the heating current or the second heating current is interrupted. The inventive device is provided with monitoring means which are contained in the electronic circuit in order to monitor an operating parameter of the second spiral-wound filament in the first and second mode of operation. Said electronic circuit enables control of the time interval of impingement of the second spiral-wound filament by the second heating current according to the time interval of impingement of the first spiral-wound filament with the first heating current.

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