

Title (en)
Control circuit for fluorescent lamp

Title (de)
Steuerschaltung für eine Fluoreszenzlampe

Title (fr)
Circuit de commande de lampe fluorescente

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Application
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Abstract (en)
A control circuit for a fluorescent lamp comprises a ballast control unit (1) and an oscillator unit (2), the control circuit further comprising a signal detection unit (3), a switch unit (4) and a frequency converter (5); wherein the signal detection unit (3) outputs a signal to the switch unit (4) after receiving a light up signal from the ballast control unit (1), the switch unit (4) outputs a signal to the frequency converter (5) and the frequency converter (5) outputs a signal to the oscillator unit (2) and converts an oscillation frequency of the oscillator unit (2). According to the control circuit of the invention, the signal detection unit (3) receives a light up signal to trigger the switching of the switch unit (4) so as to enable the frequency converter (5) to convert an oscillation frequency of the oscillator unit (2) of the fluorescent lamp, such that a filament current of the fluorescent lamp could be increased to boost the light flux rate of the fluorescent lamp. Thus, a normal brightness of the fluorescent lamp could be rapidly reached in a relatively short time.

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