

Title (en)  
Electronic ballast

Title (de)  
Elektronisches Vorschaltgerät

Title (fr)  
Ballast électronique

Publication  
**EP 0563770 B1 19980304 (DE)**

Application  
**EP 93104834 A 19930324**

Priority  
DE 4210373 A 19920330

Abstract (en)  
[origin: EP0563770A1] An electronic ballast for operating at least one fluorescent lamp in explosion-proof or flame-proof lamps, having a resonant circuit which is formed from an inductance (which is constructed as a limiting inductor) and a capacitance which is connected in parallel with the fluorescent lamp and alternately drives two controllable switches so that, once the oscillation of the resonant circuit has started, this circuit automatically continues to oscillate, as a result of which the resonant voltage applied to the capacitance starts the lamp, having a further capacitance, which is arranged in the resonant circuit and is connected in series with the fluorescent lamp and the capacitance, the further capacitance (C11) being constructed in the form of a safe capacitor, and the entire ballast being potted in potting resin. <IMAGE>

IPC 1-7  
**H05B 41/29**

IPC 8 full level  
**H05B 41/285** (2006.01)

CPC (source: EP)  
**H05B 41/2855** (2013.01)

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 0563770 A1 19931006; EP 0563770 B1 19980304**; DE 4210373 A1 19931007; DE 59308191 D1 19980409

DOCDB simple family (application)  
**EP 93104834 A 19930324**; DE 4210373 A 19920330; DE 59308191 T 19930324