

Title (en)  
Ballast with dimmer

Title (de)  
Vorschaltgerät mit Dimmvorrichtung

Title (fr)  
Ballast avec gradateur

Publication  
**EP 1705964 B1 20131106 (DE)**

Application  
**EP 06004878 A 20060309**

Priority  
DE 102005013309 A 20050322

Abstract (en)  
[origin: EP1705964A2] The ballast has a dim device comprising a saw tooth generator (STG) that produces a periodic signal for modulation of lamp current. The periodic signal produced by the generator is supplied to a clamping circuit (CL). The dim device adjusts the lamp current to control brightness of a low-pressure discharge lamp, where an output signal of the generator is synchronized with a phase position of the supply voltage. An independent claim is also included for a method for controlling the brightness of a low pressure discharge lamp.

IPC 8 full level  
**H05B 41/392** (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP US)  
**H05B 41/2988** (2013.01 - EP US); **H05B 41/3921** (2013.01 - EP US); **H05B 41/3927** (2013.01 - EP US); **Y10S 315/04** (2013.01 - EP US)

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