

Title (en)  
Ballast for high pressure gas discharge lamps

Title (de)  
Vorschaltgerät für Hochdruckentladungslampe

Title (fr)  
Ballast pour lampes à décharge haute pression

Publication  
**EP 2498584 B1 20130925 (DE)**

Application  
**EP 11157208 A 20110307**

Priority  
EP 11157208 A 20110307

Abstract (en)  
[origin: EP2498584A1] The arrangement (10) e.g. full bridge circuit arrangement, has a half-bridge inverter (12) connected to a gas discharge lamp (11) e.g. high-pressure discharge lamp. An impulse train (F1) of frequency reverses polarity of lamp current (iL) with low frequency. Another impulse train (F2) of higher frequency controls a level of the current, and control circuits (29- 31) control the inverter and the latter impulse train in an operating mode during impulse of the former impulse train to constantly raise the level of the current opposite to end of the impulse. An independent claim is also included for a method for operating a circuit arrangement for operating a discharge lamp.

IPC 8 full level  
**H05B 41/288** (2006.01); **H05B 41/292** (2006.01)

CPC (source: EP)  
**H05B 41/2883** (2013.01); **H05B 41/2928** (2013.01)

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