

Title (en)  
Circuit arrangement for preheating the electrodes of a discharge lamp

Title (de)  
Schaltungsanordnung zur Wendelvorheizung von Leuchtstofflampen

Title (fr)  
Circuit pour le chauffage des électrodes de lampes à décharge

Publication  
**EP 0748146 B1 20010829 (DE)**

Application  
**EP 96108864 A 19960603**

Priority  
DE 19520999 A 19950608

Abstract (en)  
[origin: EP0748146A1] The pre-heating circuit is used for the filaments (E1,E2) of at least one fluorescent lamp (FL) operated via an electronic bias circuit with a current regulator (3) inserted between a DC source (2) and earth. A switched voltage source (TR,DW1,DW2,HS) coupled to the output (HBO) of the current regulator is activated during the pre-heating phase, with a pair of outputs connected in parallel to the lamp filaments. Pref. the switched current source has a transformer (TR) coupled to the current regulator with a primary winding (P) connected in series with a controlled switch (4,HS) and a pair of secondary windings (S1,S2) coupled in parallel to respective lamp filaments.

IPC 1-7  
**H05B 41/00**

IPC 8 full level  
**H05B 41/00** (2006.01); **H05B 41/295** (2006.01)

CPC (source: EP KR US)  
**H05B 41/26** (2013.01 - KR); **H05B 41/295** (2013.01 - EP US); **Y10S 315/05** (2013.01 - EP US)

Cited by  
US7728528B2; EP1675442A3; EP0707438A3; DE10304544B4; DE10127135B4; CN101888735A; US7723920B2; US6366031B2; US6433490B2; US6555970B2; WO2011061053A1; WO2007051751A1; WO2010150151A3; EP2252133A2; DE102009020849A1; US8228000B2

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