

Title (en)

ELECTRONIC BALLAST COMPRISING A FULL BRIDGE CIRCUIT

Title (de)

ELEKTRONISCHES VORSCHALTGERÄT MIT VOLLBRÜCKENSCHALTUNG

Title (fr)

BALLAST ELECTRONIQUE AVEC CIRCUIT EN PONT INTEGRAL

Publication

**EP 1330945 B1 20050316 (DE)**

Application

**EP 01974243 A 20010911**

Priority

- DE 10051139 A 20001016
- EP 0110497 W 20010911

Abstract (en)

[origin: US2004004447A1] An electronic ballast for controlling the operating behavior and brightness of a gas discharge lamp, includes a full bridge circuit fed with a d.c. voltage (UBUS). The gas discharge lamp is connected as a load of the full bridge circuit, and a control circuit in each case switches on one bridge diagonal and switches off another bridge diagonal of the full bridge circuit, alternately. The bridge diagonals each have a regulatable constant current source for regulating a lamp current, and thereby the occurrence of flickering appearances is suppressed. As a result, the lamp can be dimmed over a very wide range of brightnesses.

IPC 1-7

**H05B 41/392**

IPC 8 full level

**H05B 41/282** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP US)

**H05B 41/2828** (2013.01 - EP US); **H05B 41/3921** (2013.01 - EP US); **H05B 41/3927** (2013.01 - EP US)

Cited by

DE102007049397A1; DE202008013673U1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**US 2004004447 A1 20040108**; **US 6876158 B2 20050405**; AT E291341 T1 20050415; AT E419735 T1 20090115; AU 2001293807 B2 20060216; AU 9380701 A 20020429; BR 0114678 A 20031007; DE 10051139 A1 20020425; DE 50105645 D1 20050421; DE 50114634 D1 20090212; EP 1330945 A1 20030730; EP 1330945 B1 20050316; EP 1465465 A2 20041006; EP 1465465 A3 20041013; EP 1465465 B1 20081231; WO 0234015 A1 20020425; ZA 200302354 B 20040326

DOCDB simple family (application)

**US 41431903 A 20030416**; AT 01974243 T 20010911; AT 04013891 T 20010911; AU 2001293807 A 20010911; AU 9380701 A 20010911; BR 0114678 A 20010911; DE 10051139 A 20001016; DE 50105645 T 20010911; DE 50114634 T 20010911; EP 0110497 W 20010911; EP 01974243 A 20010911; EP 04013891 A 20010911; ZA 200302354 A 20010911