

Title (en)

CIRCUIT ARRANGEMENT AND METHOD FOR THE OPERATION OF HIGH-PRESSURE GAS DISCHARGE LAMPS

Title (de)

SCHALTUNGSANORDNUNG UND VERFAHREN ZUM BETREIBEN VON HOCHDRUCK-GASENTLADUNGSLAMPEN

Title (fr)

ENSEMBLE CIRCUIT ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER DES LAMPES A DECHARGE HAUTE PRESSION

Publication

EP 1961276 A1 20080827 (DE)

Application

EP 06830249 A 20061130

Priority

- EP 2006069152 W 20061130
- DE 102005059762 A 20051214

Abstract (en)

[origin: US2008284345A1] Disclosed is a circuit arrangement for supplying a lamp wattage to a high-pressure discharge lamp (Lp) in the form of an alternating current having an operating frequency. The alternating current is generated by a full bridge that is composed of two half-bridge branches. The lamp wattage can be adjusted via the phase which the two half-bridge branches have relative to each other. The lamp wattage is modulated by means of the transmission function of an interface if the operating frequency is frequency-modulated. Said modulation of the lamp wattage can be compensated by adequately correcting the phase.

IPC 8 full level

H05B 41/292 (2006.01)

CPC (source: EP US)

H05B 41/2883 (2013.01 - EP US); **H05B 41/2928** (2013.01 - EP US)

Citation (search report)

See references of WO 2007068603A1

Designated contracting state (EPC)

AT DE ES FI FR GB IT SE

DOCDB simple family (publication)

US 2008284345 A1 20081120; US 7839093 B2 20101123; AT E427644 T1 20090415; CA 2633451 A1 20070621;
DE 102005059762 A1 20070621; DE 502006003353 D1 20090514; EP 1961276 A1 20080827; EP 1961276 B1 20090401;
ES 2325098 T3 20090825; WO 2007068603 A1 20070621

DOCDB simple family (application)

US 8529606 A 20061130; AT 06830249 T 20061130; CA 2633451 A 20061130; DE 102005059762 A 20051214; DE 502006003353 T 20061130;
EP 06830249 A 20061130; EP 2006069152 W 20061130; ES 06830249 T 20061130