

Title (en)

Control circuit for high-pressure gas discharge lamp in a vehicle

Title (de)

Schaltung zum Betreiben einer Wechselstrom-Hochdruckgasentladungslampe für ein Kraftfahrzeug

Title (fr)

Circuit de commande de lampe à décharge haute pression dans un véhicule

Publication

EP 1100292 B1 20020807 (DE)

Application

EP 00124484 A 20001109

Priority

DE 19954489 A 19991112

Abstract (en)

[origin: EP1100292A1] The circuit has a bias device, an ignition device and a symmetrical lamp filter between the ignition device and a high pressure gas discharge lamp (GDL) enclosed by at least one reflector. The symmetrical lamp filter has a filter capacitance (C1) parallel to the gas discharge lamp and a choke coil (L1,L2) in each of the leads between the parallel circuit and the ignition device. A capacitor (C2,C3) is connected between the lamp reflector and one or each of the lamp supply lines.

IPC 1-7

H05B 41/14; **H05B 41/292**; **B60Q 1/04**; **B60Q 1/00**; **F21S 8/12**

IPC 8 full level

B60Q 1/00 (2006.01); **B60Q 1/04** (2006.01); **F21S 8/12** (2006.01); **H05B 41/14** (2006.01); **H05B 41/292** (2006.01)

CPC (source: EP US)

H05B 41/292 (2013.01 - EP US)

Cited by

EP1246512A3; WO2009036795A1; WO2010028679A1; WO2008037292A1

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 1100292 A1 20010516; **EP 1100292 B1 20020807**; AT E222045 T1 20020815; DE 19954489 A1 20010517; DE 50000352 D1 20020912; ES 2180494 T3 20030216; US 6624581 B1 20030923

DOCDB simple family (application)

EP 00124484 A 20001109; AT 00124484 T 20001109; DE 19954489 A 19991112; DE 50000352 T 20001109; ES 00124484 T 20001109; US 70868300 A 20001109