

Title (en)

Improvements to discharge lamp starting modules in car headlamps

Title (de)

Fortbildung von Zündübertragern für Entladungslampen in Kraftfahrzeugscheinwerfern

Title (fr)

Perfectionnements aux modules d'amorçage de lampes à décharge de projecteurs de véhicule automobile

Publication

EP 1063870 B1 20040929 (FR)

Application

EP 00401446 A 20000524

Priority

FR 9908057 A 19990621

Abstract (en)

[origin: EP1063870A1] The lamp firing module includes a voltage transformer (1) having a magnetic circuit on which are wound primary (1a) and secondary (1b) windings. The module includes a permanent magnet in the secondary circuit which modifies the transformers magnetic characteristics so as to increase the saturation level of the secondary winding.

IPC 1-7

H05B 41/04

IPC 8 full level

B60Q 1/04 (2006.01); **H05B 41/04** (2006.01); **H05B 41/18** (2006.01)

CPC (source: EP US)

H05B 41/042 (2013.01 - EP US)

Cited by

ITRN20130039A1; US9578725B2; WO2006026943A1; WO2015044973A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1063870 A1 20001227; **EP 1063870 B1 20040929**; DE 60014247 D1 20041104; DE 60014247 T2 20051027; ES 2228422 T3 20050416; FR 2795281 A1 20001222; FR 2795281 B1 20010817; JP 2001010404 A 20010116; JP 4484324 B2 20100616; US 6366023 B1 20020402

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EP 00401446 A 20000524; DE 60014247 T 20000524; ES 00401446 T 20000524; FR 9908057 A 19990621; JP 2000184017 A 20000620; US 59794700 A 20000620