

Title (en)
DEVICE FOR STARTING AND OPERATING ELECTRIC GAS DISCHARGE LAMPS

Publication
EP 0374617 A3 19920429 (DE)

Application
EP 89122638 A 19891208

Priority
DE 3843029 A 19881221

Abstract (en)
[origin: EP0374617A2] In a device for starting and operating electric gas discharge lamps, in particular in motor vehicles, having an alternating voltage source to which a gas discharge lamp is connected, having a transformer, the secondary winding of which is arranged in series with the gas discharge lamp and forms an oscillatory circuit with a first capacitor, and the primary winding of which is part of a firing circuit which contains a second capacitor and a semiconductor switch, having a voltage detection device in the firing circuit which is connected via a switching device to the semiconductor switch, in order to minimise the reactive load for the alternating voltage source by means of the transformer and to ensure a reliable firing and operation of the device, the first secondary winding of the transformer, the first capacitor and the gas discharge lamp form a first series oscillatory circuit, the resonant frequency of the first series oscillatory circuit corresponding to the basic frequency of the voltage of the alternating voltage source. <IMAGE>

IPC 1-7
H05B 41/04; **H05B 41/29**; **H05B 41/392**

IPC 8 full level
H05B 41/04 (2006.01); **H05B 41/288** (2006.01); **H05B 41/38** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP)
H05B 41/042 (2013.01); **H05B 41/2881** (2013.01); **H05B 41/382** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0374617 A2 19900627; **EP 0374617 A3 19920429**; **EP 0374617 B1 19940406**; DE 3843029 A1 19900628; DE 58907403 D1 19940511

DOCDB simple family (application)
EP 89122638 A 19891208; DE 3843029 A 19881221; DE 58907403 T 19891208