

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

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IPC 8 full level

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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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- [AP] EP 0337021 A1 19891018 - ACTRONIC LIGHTING CO [ZA]
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