

Title (en)

Switching assembly and method for operating a low pressure discharge lamp

Title (de)

Schaltungsanordnung und Verfahren zum Betreiben einer Niederdruckentladungslampe

Title (fr)

Dispositif de commutation et procédé de fonctionnement de lampes à décharge basse tension

Publication

**EP 2265097 B1 20130306 (DE)**

Application

**EP 10162671 A 20100512**

Priority

DE 102009023787 A 20090603

Abstract (en)

[origin: EP2265097A1] The arrangement has a series resonant circuit comprising an inductive element (L1) coupled to an electrode of a low-pressure discharge lamp (LP) and a capacitor (C3) connected in series with the element and in parallel with the low-pressure discharge lamp. A resistive element (R1) is connected in series with a diode (D2) between a terminal of a direct current voltage source and a positive temperature coefficient thermistor (PTC). An evaluation device (A) taps off voltage drop across the resistive element, and is coupled to a microcontroller in order to deactivate the microcontroller. An independent claim is also included for a method for operating a low-pressure discharge lamp with a circuit arrangement.

IPC 8 full level

**H05B 41/298** (2006.01)

CPC (source: EP US)

**H05B 41/298** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**EP 2265097 A1 20101222; EP 2265097 B1 20130306**; CN 101909397 A 20101208; CN 101909397 B 20141210;  
DE 102009023787 A1 20110127; KR 20100130568 A 20101213; US 2010308734 A1 20101209; US 8450934 B2 20130528

DOCDB simple family (application)

**EP 10162671 A 20100512**; CN 201010196412 A 20100603; DE 102009023787 A 20090603; KR 20100052472 A 20100603;  
US 79089610 A 20100531