

Title (en)

Method for controlling a phosphorescent light and light pre-switching device

Title (de)

Verfahren zur Ansteuerung einer Leuchtstofflampe und Lampenvorschaltgerät

Title (fr)

Procédé de commande d'une lampe fluorescente et appareil de montage de lampes

Publication

**EP 2124510 B1 20130102 (DE)**

Application

**EP 08009105 A 20080516**

Priority

EP 08009105 A 20080516

Abstract (en)

[origin: EP2124510A1] The method involves applying an excitation alternating current voltage to a series resonant circuit using a half- bridge circuit. A resonant circuit current flowing through the resonant circuit is detected. Switches (T11, T12) e.g. n-conducting MOSFETs, are driven with a fundamental frequency or with an increased frequency with respect to the fundamental frequency depending on a temporal change in the resonant circuit current between temporally spaced-apart evaluation instants lying within a switched-on duration of one of the switches. An independent claim is also included for a lamp ballast comprising a series resonant circuit.

IPC 8 full level

**H05B 41/285** (2006.01); **H05B 41/282** (2006.01); **H05B 41/295** (2006.01)

CPC (source: EP US)

**H05B 41/2828** (2013.01 - EP US); **H05B 41/2851** (2013.01 - EP US); **H05B 41/2856** (2013.01 - EP US); **H05B 41/295** (2013.01 - EP US)

Cited by

EP2184956A3

Designated contracting state (EPC)

AT DE FR GB IT

DOCDB simple family (publication)

**EP 2124510 A1 20091125; EP 2124510 B1 20130102**; US 2009284162 A1 20091119; US 8242702 B2 20120814

DOCDB simple family (application)

**EP 08009105 A 20080516**; US 46700809 A 20090515