

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