

Title (en)
A BALLAST CIRCUIT

Title (de)
VORSCHALTKREIS

Title (fr)
CIRCUIT DE BALLAST

Publication
EP 2206414 A2 20100714 (EN)

Application
EP 08845841 A 20081009

Priority
• EP 2008063565 W 20081009
• CN 200710165719 A 20071030

Abstract (en)
[origin: WO2009056431A2] The invention relates to a ballast circuit for running multiple fluorescent lamps of at least two fluorescent lamps, the multiple fluorescent lamps are connected in series and divided into groups of every two lamps, comprising: LC resonance circuits for igniting respective groups of the two fluorescent lamps, a DC block capacitor for conducting the electric current from the resonance capacitor to ground, wherein the ballast circuit further comprising sequence start capacitors (C3, C4) that are connected through the filaments between both LC resonance circuits when there are two fluorescent lamps, or connected from each LC resonance circuit to the connection point of the other group of lamps when there are more than two fluorescent lamps, for limiting the electric voltage generated on the respective resonance capacitor when one of the lamps is broken in a corresponding group of fluorescent lamps.

IPC 8 full level
H05B 41/298 (2006.01)

CPC (source: EP)
H05B 41/2985 (2013.01)

Citation (search report)
See references of WO 2009056431A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009056431 A2 20090507; WO 2009056431 A3 20090709; AT E538625 T1 20120115; CN 101426322 A 20090506; CN 101426322 B 20130102; EP 2206414 A2 20100714; EP 2206414 B1 20111221; PL 2206414 T3 20120831

DOCDB simple family (application)
EP 2008063565 W 20081009; AT 08845841 T 20081009; CN 200710165719 A 20071030; EP 08845841 A 20081009; PL 08845841 T 20081009