

Title (en)  
ELECTRONIC REACTIVE CURRENT OSCILLATION-REDUCING BALLAST

Title (de)  
ELEKTRONISCHES VORSCHALTGERÄT MIT BLINDSTROMSCHWINGUNGSREDUZIERUNG

Title (fr)  
BALLAST ELECTRONIQUE A REDUCTION DES OSCILLATIONS DE COURANT REACTIF

Publication  
**EP 1872634 A1 20080102 (DE)**

Application  
**EP 06722663 A 20060322**

Priority  
• DE 2006000510 W 20060322  
• DE 102005018795 A 20050422

Abstract (en)  
[origin: CA2605217A1] The invention relates to an electronic ballast presenting an input capacitor (C) and comprising a step-up chopper (LH, DH, SH, CH) for operating a load , for example a discharge lamp(CFL), on a phase control dimmer (DIM) having an integrated or parasite inductance (L). According to said invention, excessive voltage after connection with a phase control can be reduced by adjusting currents by means of the step-up chopper (LH, DH, SH, CH).

IPC 8 full level  
**H05B 41/28** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP US)  
**H05B 41/28** (2013.01 - EP US); **H05B 41/2856** (2013.01 - EP US); **H05B 41/3924** (2013.01 - EP US); **Y10S 315/04** (2013.01 - EP)

Citation (search report)  
See references of WO 2006111123A1

Designated contracting state (EPC)  
DE FR GB HU IT

DOCDB simple family (publication)  
**DE 102005018795 A1 20061026**; CA 2605217 A1 20061026; CN 101204121 A 20080618; CN 101204121 B 20110907;  
DE 502006004065 D1 20090806; EP 1872634 A1 20080102; EP 1872634 B1 20090624; US 2009302773 A1 20091210;  
US 7777423 B2 20100817; WO 2006111123 A1 20061026

DOCDB simple family (application)  
**DE 102005018795 A 20050422**; CA 2605217 A 20060322; CN 200680022403 A 20060322; DE 2006000510 W 20060322;  
DE 502006004065 T 20060322; EP 06722663 A 20060322; US 91901006 A 20060322