

Title (en)  
REDUCED POWER LOSS IN ELECTRONIC BALLASTS

Title (de)  
REDUZIERTE VERLUSTLEISTUNG IN ELEKTRONISCHEN VORSCHALTGERÄTEN (EVG'S)

Title (fr)  
PERTES DE PUISSANCE REDUITES DANS LES BALLASTS ELECTRONIQUES

Publication  
**EP 2005803 B1 20111012 (DE)**

Application  
**EP 07727835 A 20070405**

Priority  
• EP 2007053367 W 20070405  
• DE 102006017341 A 20060411

Abstract (en)  
[origin: WO2007116016A1] An electronic ballast is disclosed, in particular for operation of gas-discharge lamps, in which a further power semiconductor is provided in addition to the conventional power semiconductor, and provides the power required for steady-state operation. This avoids the high-power MOSFET transistors, whose power losses are high, also being used for steady-state operation.

IPC 8 full level  
**H05B 41/282** (2006.01)

CPC (source: EP KR US)  
**H05B 41/282** (2013.01 - KR); **H05B 41/2821** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB HU IT

DOCDB simple family (publication)  
**DE 102006017341 A1 20071018**; CN 101422085 A 20090429; EP 2005803 A1 20081224; EP 2005803 B1 20111012; EP 2005803 B8 20120321; JP 2009533807 A 20090917; JP 4881429 B2 20120222; KR 20080110667 A 20081218; US 2009134811 A1 20090528; US 8179052 B2 20120515; WO 2007116016 A1 20071018

DOCDB simple family (application)  
**DE 102006017341 A 20060411**; CN 200780012809 A 20070405; EP 07727835 A 20070405; EP 2007053367 W 20070405; JP 2009504702 A 20070405; KR 20087027486 A 20081110; US 22627907 A 20070405