

Title (en)

IMPROVED APPLICABILITY OF LAMPS WITH ELECTRONIC BALLAST WITHOUT A PROTECTIVE EARTH CONDUCTOR

Title (de)

VERBESSERTE ANWENDBARKEIT VON LEUCHTEN MIT EVG OHNE PE-LEITER

Title (fr)

APPLICABILITÉ AMÉLIORÉE DE LAMPES À BALLAST ÉLECTRONIQUE SANS CONDUCTEUR PE

Publication

**EP 2189045 B1 20111130 (DE)**

Application

**EP 07803427 A 20070912**

Priority

EP 2007059563 W 20070912

Abstract (en)

[origin: WO2009036795A1] The invention relates to improving the electromagnetic compatibility for lamps with integrated electronic ballast which are operated without a protective earth supply line, and involves capacitively coupling the electronic ballast housing to insulated conductive parts of the lamp by means of a capacitor (C3), possibly in conjunction with a further capacitor (C1) for fixing the touch voltage, and a radio frequency-absorbing damping element (F).

IPC 8 full level

**H05B 41/285** (2006.01)

CPC (source: EP)

**H05B 41/2851** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2009036795 A1 20090326**; AT E536084 T1 20111215; CN 101803468 A 20100811; CN 101803468 B 20130508; EP 2189045 A1 20100526; EP 2189045 B1 20111130; ES 2375282 T3 20120228; KR 20100075495 A 20100702; PL 2189045 T3 20120430

DOCDB simple family (application)

**EP 2007059563 W 20070912**; AT 07803427 T 20070912; CN 200780100612 A 20070912; EP 07803427 A 20070912; ES 07803427 T 20070912; KR 20107007887 A 20070912; PL 07803427 T 20070912