Title (en)
   INTELLIGENT FLYBACK-HEATING

Title (de)
   INTELLIGENTE FLYBACK-HEIZUNG

Title (fr)
   CHAUFFAGE INTELLIGENT PAR CONVERTISSEUR A TRANSFERT INDIRECT

Publication
   EP 1872630 B2 20180411 (DE)

Application
   EP 06723975 A 20060403

Priority
   • EP 2006003017 W 20060403
   • DE 102005018761 A 20050422

Abstract (en)
   [origin: EP2111085A1] The heating circuit has a coupling unit transferring the heat of a primary winding to a secondary winding that is connected
   to coils (5, 6). A monitoring circuit detects the current flow in the primary winding. A heat control circuit (7) switches the heating circuit into a failure-
   operation mode if the primary winding current exceeds a threshold value, where the energy transfer of the coupling unit is limited to a value in the
   mode. An independent claim is also included for a method for heating a coil of a gas discharge lamp.

IPC 8 full level
   H05B 41/298 (2006.01)

CPC (source: EP)
   H05B 41/295 (2013.01); **H05B 41/2985** (2013.01)

Citation (opposition)
   Opponent :
   • US 5703441 A 19971230 - STEIGERWALD ROBERT LOUIS [US], et al
   • US 4870327 A 19890926 - JORGENSEN JEFFREY A [US]
   • EP 0707438 B1 19990929 - TRIDONIC BAUELEMENTE [AT]
   • DE 19501695 A1 19960418 - TRIDONIC BAUELEMENTE [AT]
   • US 5952832 A 19990914 - STEVANOVIC LJUBISA DRAGOLJUB [US], et al
   • US 6366031 B2 20020402 - KLIEN DIETMAR [AT]

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
   EP 2111085 A1 20091021; **EP 2111085 B1 20120523**; AT E434372 T1 20090715; CN 101164386 A 20080416; DE 102005018761 A1 20061026;
   DE 502006004002 D1 20090730; EP 1872630 A1 20080102; EP 1872630 B1 20090617; EP 1872630 B2 20180411;
   WO 2006111263 A1 20061026

DOCDB simple family (application)
   EP 09159438 A 20060403; AT 06723975 T 20060403; CN 200680013455 A 20060403; DE 102005018761 A 20050422;
   DE 502006004002 T 20060403; EP 06723975 A 20060403; EP 2006003017 W 20060403