Title (en)

Electronic pre-switching device with interface device

Title (de)

Elektronisches Vorschaltgerät mit Schnittstellenvorrichtung

Title (fr)

Appareil de prémontage électronique doté d'un dispositif d'interfaces

Publication

EP 2375868 A3 20141210 (DE)

Application

EP 11159492 A 20110324

Priority

DE 102010014442 A 20100409

Abstract (en)

[origin: EP2375868A2] The ballast (1) has an interface device (50) comprising a signal path i.e. input port (51), to guide brightness control information, which is assigned to external digital control signals, to an input port (31) of a microcontroller (30). The interface device comprises a Zener diode to detect a control signal structure of the control signals and for opening a signal path, which is assigned to the detected signal structure, and/or to block the signal path, which is not assigned to the detected signal structure. An enhancement-type transistor of the signal paths is controlled by the signals. An independent claim is also included for a method for operating an electronic ballast for driving a lamp.

IPC 8 full level

H05B 37/02 (2006.01)

CPC (source: EP)

H05B 47/18 (2020.01)

Citation (search report)

- [I] WO 0152607 A1 20010719 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al
- [I] EP 0714224 A2 19960529 - HELVAR OY [FI]
- [A] US 5751118 A 19980512 - MORTIMER GEORGE W [US]
- [A] US 5225765 A 19930706 - CALLAHAN MICHAEL [US], et al
- [A] EP 1473976 A1 20041103 - TRIDONICATCO GMBH & CO KG [AT]
- [AD] DE 19757295 A1 19980910 - TRIDONIC BAUELEMENTE [AT]

Cited by

CN109462395A; EP3764746A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2375868 A2 20111012; **EP 2375868 A3 20141210**; **EP 2375868 B1 20160615**; AU 2011201614 A1 20111027; AU 2011201614 B2 20130829; BR PI1101876 A2 20121002; DE 102010014442 A1 20111013

DOCDB simple family (application)

EP 11159492 A 20110324; AU 2011201614 A 20110408; BR PI1101876 A 20110408; DE 102010014442 A 20100409