

Title (en)

LED-CONVERTER WITH FROST START FUNCTION

Title (de)

LED-KONVERTER MIT FROSTSTART-FUNKTION

Title (fr)

CONVERTISSEUR DE DEL AVEC UNE FONCTION DÉMARRAGE EN CAS DE GEL

Publication

EP 2936929 B1 20200325 (DE)

Application

EP 13838083 A 20131219

Priority

- DE 102012224206 A 20121221
- AT 2013000204 W 20131219

Abstract (en)

[origin: WO2014094010A2] The invention relates to an LED converter which in a first embodiment is designed to operate selectively at least one LED series or other lamps having at least one LED, in particular dependent on a temperature detection or fixed in an operating mode for low temperatures, comprising: at least one electrolytic capacitor in an electrical supply path via which, starting from an electrical supply, in particular a main voltage or a direct current, the LED series can be supplied directly or via at least one converter stage, and a control circuit that is designed, to operate the LED series in the operating mode for low temperatures every time the electrical supply is switched on, for a predetermined period of time or for a period of time that is adaptive, in particular temperature-dependent, at a reduced capacity compared with the nominal capacity, in particular at a specific dimmed value, and after expiry of the period of time to allow the operation at non-reduced capacity.

IPC 8 full level

H05B 33/00 (2006.01); **H05B 44/00** (2022.01)

CPC (source: AT EP US)

H05B 45/18 (2020.01 - AT EP US)

Citation (examination)

- JP 2012015052 A 20120119 - MITSUBISHI ELECTRIC CORP, et al
- WO 2012137587 A1 20121011 - SANDEN CORP [JP], et al & EP 2690778 A1 20140129 - SANDEN CORP [JP]

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US2022264719A1; US11564296B2

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

DOCDB simple family (publication)

DE 102012224206 A1 20140626; AT 15400 U1 20170815; CN 105075394 A 20151118; CN 105075394 B 20170721; EP 2936929 A2 20151028; EP 2936929 B1 20200325; WO 2014094010 A2 20140626; WO 2014094010 A3 20140828

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