

Title (en)
ISOLATED INTERFACE WITH CURRENT TRANSFORMER

Title (de)
ISOLIERTE SCHNITTSTELLE MIT STROMWANDLER

Title (fr)
INTERFACE ISOLÉE A TRANSFORMATEUR DE COURANT

Publication
EP 3269207 A4 20180307 (EN)

Application
EP 15884241 A 20150311

Priority
CN 2015073975 W 20150311

Abstract (en)
[origin: WO2016141558A1] A dimmable converter (1) for driving an illuminant (14) such as an LED includes a primary side (4) switched isolated power converter stage. A switch is arranged on the primary side (4) of the isolated power converter stage and a control circuit (24, 24') controls an on/off switching of the switch. The control circuit (24, 24') is arranged either on the primary side (4) or on a secondary side (6) of the isolated power converter stage. An interface (8) isolated both against the primary side (4) and the secondary side (6) of the isolated power converter stage is supplied with a dimming signal (17.1, 17.2). The interface (8) comprises an interface control circuit (20) obtaining via an isolated signal transmission means (16) a current signal (19) indicating a current flow on the secondary side (6) of the isolated power converter stage from the secondary side (6) of the isolated power converter stage. The interface control circuit (20) generates a control signal transmitted to the control circuit (24, 24') of the isolated power converter stage.

IPC 8 full level
H05B 37/02 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)
H05B 45/3725 (2020.01 - EP US); **H05B 45/382** (2020.01 - EP US)

Citation (search report)

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- [Y] WO 2010031169 A1 20100325 - CRAFTSMEN CORP E [CA], et al
- [Y] DE 102010003797 A1 20111013 - TRIDONIC AG [CH], et al
- [A] WO 2014030062 A2 20140227 - TRIDONIC UK LTD [GB]
- See references of WO 2016141558A1

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)
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CN 2015073975 W 20150311; EP 15884241 A 20150311