

Title (en)  
MULTI-CHANNEL DIMMER

Title (de)  
MEHRKANALDIMMER

Title (fr)  
GRADATEUR MULTICANAUX

Publication  
**EP 3666045 B1 20230927 (DE)**

Application  
**EP 18739801 A 20180808**

Priority  
• DE 102017213888 A 20170809  
• EP 2018067906 W 20180808

Abstract (en)  
[origin: WO2019029910A1] The invention relates to a dimmer for controlling the power consumption of a connectable load, in particular of an integrated or connectable lighting device, comprising at least two dimmer channels (K1, K2, Kx), each having a channel control device (S1, S2, Sx). Of the dimmer channels (K1, K2, Kx), at least one measurement dimmer channel (K1) comprises a measuring device (M1), which is at least suitable for producing information about the behavior of the electricity at a point in the measurement dimmer channel. The dimmer also comprises a main control device (HS), which is at least suitable for producing control commands for the dimmer channels, and a communication connection (V), which is at least suitable for transferring such control commands from the main control device (H) to the channel control device (S1) of a dimmer channel (K1). The dimmer (D) also comprises at least one channel communication connection (V12, V23, V(x-1)x), which is at least suitable for transferring information from a first dimmer channel (K1, K2) to a second dimmer channel (K2, Kx), in particular information about the behavior of the electricity at the point in the measurement dimmer channel (K1).

IPC 8 full level  
**H05B 47/155** (2020.01); **H05B 39/04** (2006.01); **H05B 39/08** (2006.01); **H05B 45/31** (2020.01); **H05B 47/14** (2020.01); **H05B 47/18** (2020.01)

CPC (source: EP US)  
**H05B 47/14** (2020.01 - EP US); **H05B 47/155** (2020.01 - EP US); **H05B 47/18** (2020.01 - EP); **H05B 47/185** (2020.01 - US); **H05B 39/048** (2013.01 - EP); **H05B 39/08** (2013.01 - EP); **H05B 45/14** (2020.01 - US); **H05B 45/31** (2020.01 - EP)

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 102017213888 B3 20181031**; CN 111279795 A 20200612; CN 111279795 B 20221125; EP 3666045 A1 20200617; EP 3666045 B1 20230927; ES 2966955 T3 20240425; US 2020367343 A1 20201119; WO 2019029910 A1 20190214

DOCDB simple family (application)  
**DE 102017213888 A 20170809**; CN 201880051515 A 20180808; EP 18739801 A 20180808; EP 2018067906 W 20180808; ES 18739801 T 20180808; US 201816636986 A 20180808