

Title (en)
TUNABLE WHITE LED MODULE

Title (de)
ABSTIMMBARES WEISSES LED-MODUL

Title (fr)
MODULE DE DEL BLANCHE RÉGLABLE

Publication
EP 4099803 A1 20221207 (EN)

Application
EP 21177665 A 20210604

Priority
EP 21177665 A 20210604

Abstract (en)
Disclosed is a LED module (4), comprising input terminals (41) connectable to an LED driver (3); a plurality of LED lighting means (42, 43) having different color temperatures; an auxiliary load (44A, 44B, 44C) connected between the input terminals (41) and the plurality of LED lighting means (42, 43); and one or more first switches (45A; 45B, 45C) configured to select, in dependence of one or more first PWM control signals (46A; 46B, 46C), one of the plurality of LED lighting means (42, 43) for feeding by the LED driver (3). This provides a smaller and less expensive tunable white LED module.

IPC 8 full level
H05B 45/20 (2020.01); **H05B 45/325** (2020.01); **H05B 45/34** (2020.01)

CPC (source: EP)
H05B 45/20 (2020.01); **H05B 45/325** (2020.01); **H05B 45/34** (2020.01)

Citation (search report)

- [XYI] WO 2017182266 A1 20171026 - PHILIPS LIGHTING HOLDING BV [NL]
- [XYI] EP 2958402 A1 20151223 - NXP BV [NL]
- [IY] US 2012200229 A1 20120809 - KUNST DAVID [US], et al
- [Y] EP 2170013 A2 20100331 - WANSTAR TECHNOLOGY CO LTD [TW]
- [Y] WO 2011135505 A1 20111103 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [Y] WO 2017183979 A2 20171026 - ELDOLAB HOLDING BV [NL]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4099803 A1 20221207; EP 4327630 A1 20240228; WO 2022253789 A1 20221208

DOCDB simple family (application)
EP 21177665 A 20210604; EP 2022064673 W 20220531; EP 22734156 A 20220531