

Title (en)  
LIGHTING APPARATUS

Title (de)  
BELEUCHTUNGSVORRICHTUNG

Title (fr)  
APPAREIL D'ÉCLAIRAGE

Publication  
**EP 3813491 A1 20210428 (EN)**

Application  
**EP 20203043 A 20201021**

Priority  
CN 201911007935 A 20191022

Abstract (en)  
A lighting apparatus includes a first LED module having a first color temperature profile , a second LED module having a second color temperature profile , a third LED module having a third color temperature profile , a constant current generator, a first switch, a third switch and a driver. The constant current generator is used for generating a constant current according to a major PWM signal. The first LED module and the third LED module are connected in parallel and share the constant current. The constant current is adjusted by changing a major duty ratio of the major PWM signal. The driver is used for generating the major PWM signal, a first PWM signal and a third PWM signal. The first color temperature profile, the second color temperature profile and the third color temperature profile have different spectrum distributions.

IPC 8 full level  
**H05B 45/325** (2020.01); **H05B 45/20** (2020.01); **H05B 45/345** (2020.01); **H05B 45/38** (2020.01); **H05B 45/46** (2020.01)

CPC (source: EP)  
**H05B 45/20** (2020.01); **H05B 45/325** (2020.01); **H05B 45/345** (2020.01); **H05B 45/38** (2020.01); **H05B 45/46** (2020.01)

Citation (search report)  
• [X] US 2017245338 A1 20170824 - TURUNEN OLLI [FI]  
• [I] CN 208273300 U 20181221 - ZHEJIANG YANGGUANGMEIJIA LIGHTING CO LTD, et al

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 3813491 A1 20210428**; CN 110708803 A 20200117

DOCDB simple family (application)  
**EP 20203043 A 20201021**; CN 201911007935 A 20191022