

Title (en)

Display device, operating method and lighting device

Title (de)

Anzeigevorrichtung, Betriebsverfahren und Beleuchtungsvorrichtung

Title (fr)

Dispositif d'affichage, procédé de fonctionnement et dispositif d'éclairage

Publication

EP 2217040 B1 20130403 (DE)

Application

EP 10152419 A 20100202

Priority

DE 102009007504 A 20090205

Abstract (en)

[origin: EP2217040A1] The method involves producing a pulse-width-modulated signal (10) comprising a switched-on time (t1) and a set of switched-off times (t2) utilizing a pulse width modulation circuit (1). The pulse-width-modulated signal is routed from the pulse width modulation circuit to a demultiplexer (2). The pulse width modulation circuit and the demultiplexer are synchronized, so that the pulse-width-modulated signal is routed from the demultiplexer to one of a set of red-green-blue (RGB) LEDs (3) during one of the switched-off times of the pulse-width-modulated signal. An independent claim is also included for an illumination apparatus comprising an indicator apparatus, and a lamp connected to the indicator apparatus.

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP KR US)

H05B 45/20 (2020.01 - EP US); **H05B 45/37** (2020.01 - KR); **H05B 45/46** (2020.01 - KR)

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2217040 A1 20100811; **EP 2217040 B1 20130403**; CN 101800028 A 20100811; CN 101800028 B 20140820; DE 102009007504 A1 20100812; KR 20100090207 A 20100813; US 2010194580 A1 20100805; US 8358219 B2 20130122

DOCDB simple family (application)

EP 10152419 A 20100202; CN 201010111819 A 20100205; DE 102009007504 A 20090205; KR 20100010340 A 20100204; US 70065010 A 20100204