

Title (en)

DISPLAY PANEL, DISPLAY APPARATUS AND CONTROLLING METHOD THEREOF

Title (de)

ANZEIGETAFEL, ANZEIGEVORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

PANNEAU D'AFFICHAGE, APPAREIL D'AFFICHAGE ET SON PROCÉDÉ DE COMMANDE

Publication

**EP 3259752 A4 20180124 (EN)**

Application

**EP 16796769 A 20160518**

Priority

- US 201562163008 P 20150518
- KR 20150143609 A 20151014
- KR 2016005250 W 20160518

Abstract (en)

[origin: KR20160135635A] A display panel is provided. The display panel includes a plurality of pixels including a red (R), green (G), blue (B), and white (W) sub-pixels, wherein each of the pixels includes a first package and a second package arranged adjacent to the first package. The first package includes the B sub-pixel and the G sub-pixel, and the second package includes the R sub-pixel and the W sub-pixel. Accordingly, power consumption of an LED display apparatus is decreased while definition thereof is increased.

IPC 8 full level

**G09G 3/32** (2016.01); **G09G 3/20** (2006.01)

CPC (source: EP US)

**G09G 3/2003** (2013.01 - EP); **G09G 3/32** (2013.01 - EP US); **G09G 2300/0452** (2013.01 - EP US); **G09G 2340/06** (2013.01 - EP); **G09G 2360/16** (2013.01 - EP)

Citation (search report)

- [Y] US 2014353694 A1 20141204 - PANG CHAK HAU CHARLES [HK], et al
- [Y] US 2006245188 A1 20061102 - TAKENAKA YASUJI [JP]
- [XY] US 2015123083 A1 20150507 - XI PENG-BO [TW], et al
- [Y] US 2009046307 A1 20090219 - KWAK YOUNG SHIN [KR], et al
- See references of WO 2016186442A1

Cited by

CN109637427A

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 3259752 A1 20171227; EP 3259752 A4 20180124; EP 3259752 B1 20190320; KR 102098199 B1 20200407; KR 20160135635 A 20161128

DOCDB simple family (application)

EP 16796769 A 20160518; KR 20150143609 A 20151014