

Title (en)

Method for detecting pixel status of flat panel display and display driver thereof

Title (de)

Verfahren zur Detektion des Pixelzustands eines Flachbildschirms und Anzeigetreiber dafür

Title (fr)

Procédé pour détecter le statut de pixels d'un affichage à écran plat et pilote d'affichage correspondant

Publication

**EP 2012298 A3 20091230 (EN)**

Application

**EP 08250022 A 20080103**

Priority

TW 96124016 A 20070702

Abstract (en)

[origin: EP2012298A2] The present invention discloses methods and display drivers for pixel status detection of flat panel displays. The method includes the following steps of: providing scan data to the register; using the scan data to drive the pixel; detecting the pixel status to obtain status data; refreshing the register with the status data; and, comparing the scan data with the status data to determine whether the pixel is in abnormal status or not. Based on the aforementioned method, the pixel status could be real-time monitored.

IPC 8 full level

**G09G 3/32** (2016.01); **G09G 3/3275** (2016.01); **H01L 33/12** (2010.01)

CPC (source: EP KR)

**G09F 9/33** (2013.01 - KR); **G09G 3/006** (2013.01 - KR); **G09G 3/14** (2013.01 - KR); **G09G 3/2085** (2013.01 - EP); **G09G 3/32** (2013.01 - EP KR); **G09G 3/006** (2013.01 - EP); **G09G 3/20** (2013.01 - EP); **G09G 2310/0275** (2013.01 - EP); **G09G 2310/0286** (2013.01 - KR); **G09G 2310/08** (2013.01 - EP); **G09G 2320/0295** (2013.01 - EP); **G09G 2330/10** (2013.01 - EP KR)

Citation (search report)

- [X] US 2005062685 A1 20050324 - NOGAWA MASASHI [JP]
- [DA] US 2004100459 A1 20040527 - WU CHUNG-YO [TW], et al

Cited by

EP2149870A2; CN113487988A; US9892667B2; WO2011022193A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2012298 A2 20090107**; **EP 2012298 A3 20091230**; JP 2009015281 A 20090122; KR 100938620 B1 20100122; KR 20090004325 A 20090112; TW 200903415 A 20090116

DOCDB simple family (application)

**EP 08250022 A 20080103**; JP 2007276920 A 20071024; KR 20070107596 A 20071025; TW 96124016 A 20070702