

Title (en)  
ELECTRONIC DISPLAY WITH ENVIRONMENTAL ADAPTATION OF DISPLAY CHARACTERISTICS BASED ON LOCATION

Title (de)  
ELEKTRONISCHE ANZEIGE MIT UMGEBUNGSABHÄNGIGER ANPASSUNG VON ANZEIGEMERKMALEN AUF STANDORTBASIS

Title (fr)  
DISPOSITIF D'AFFICHAGE ÉLECTRONIQUE AVEC ADAPTATION ENVIRONNEMENTALE DES CARACTÉRISTIQUES D'AFFICHAGE BASÉE SUR L'EMPLACEMENT

Publication  
**EP 3338273 A4 20190918 (EN)**

Application  
**EP 16837775 A 20160817**

Priority

- US 201562206050 P 20150817
- US 201615043100 A 20160212
- US 201615043135 A 20160212
- US 201662314073 P 20160328
- US 2016047412 W 20160817

Abstract (en)  
[origin: WO2017031237A1] The exemplary embodiments herein provide an electronic display with a display controller in electrical connection with the electronic display and adapted to direct the electronic display to operate per nighttime instructions if the present time is between sunrise and sunset, without accepting any input from an ambient light sensor, and direct the electronic display to operate per daytime instructions if the present time is between sunset and sunrise, without accepting any input from an ambient light sensor. The nighttime instructions may include a first setting for gamma while the daytime instructions may include a second setting for gamma. Sunrise and sunset transition periods can be calculated using Artificial Ambient Sensor Data (AAS), with further settings for gamma chosen based on the AAS data.

IPC 8 full level  
**G09G 5/00** (2006.01); **G09G 5/10** (2006.01); **H05B 37/00** (2006.01); **H05B 37/02** (2006.01)

CPC (source: EP KR)  
**G09G 3/20** (2013.01 - EP KR); **G09G 5/00** (2013.01 - EP); **G09G 5/10** (2013.01 - EP KR); **H05B 47/16** (2020.01 - EP); **G09G 2320/0673** (2013.01 - EP KR); **G09G 2360/144** (2013.01 - EP KR); **G09G 2360/16** (2013.01 - EP KR); **Y02B 20/40** (2013.01 - EP)

Citation (search report)

- [Y] JP H0518767 A 19930126 - PIONEER ELECTRONIC CORP
- [Y] US 2015070337 A1 20150312 - BELL CYNTHIA SUE [US], et al
- [Y] US 2014139116 A1 20140522 - REED WILLIAM G [US]
- [Y] US 2013070567 A1 20130321 - MARZOUQ RASHED FARHAN SULTAN [KW]
- [Y] EP 1686777 A1 20060802 - RESEARCH IN MOTION LTD [CA]
- See references of WO 2017031237A1

Cited by  
US12022635B2; US10593255B2; US10255884B2; US12027132B1; US10321549B2; US10412816B2; US10607520B2; US11022635B2; US11656255B2; US11526044B2; US11815755B2; US12007637B2; US10782276B2; US11293908B2; US11774428B2

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DOCDB simple family (publication)  
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**US 2016047412 W 20160817**; AU 2016308187 A 20160817; CA 2985673 A 20160817; EP 16837775 A 20160817; JP 2017558690 A 20160817; KR 20177036455 A 20160817