



- (51) **International Patent Classification:**  
*G02F 1/133* (2006.01) *G09G 3/36* (2006.01)
- (21) **International Application Number:**  
PCT/US2012/034967
- (22) **International Filing Date:**  
25 April 2012 (25.04.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
61/479,958 28 April 2011 (28.04.2011) US
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(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

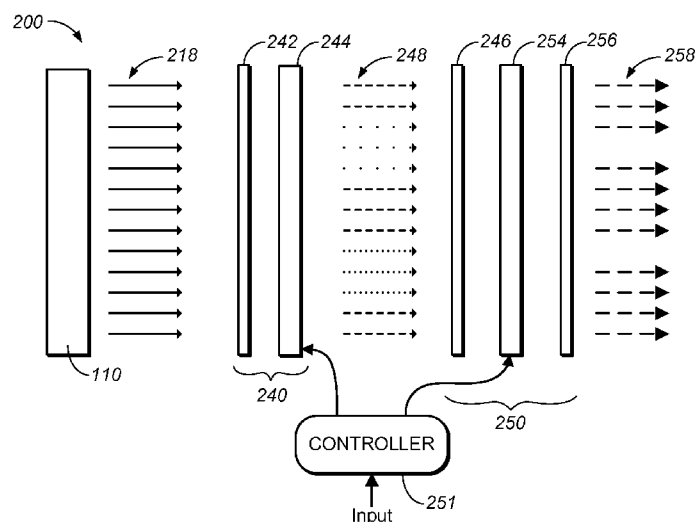
(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) **Title:** DUAL LCD DISPLAY WITH COLOR CORRECTION TO COMPENSATE FOR VARYING ACHROMATIC LCD PANEL DRIVE CONDITIONS

**FIG. 1**

(57) **Abstract:** A display including a color panel, an achromatic panel, a backlight, and a panel controller configured to generate color panel and achromatic panel drive values. The panels may be LCD panels. The color panel drive values dynamically compensating for variations in the color of light transmitted by the achromatic panel due to varying drive conditions of the achromatic panel. The invention includes a system, method, or controller for generating or providing color panel drive values (and optionally also achromatic panel drive values) for a dual panel display in accordance with any embodiment of the method, and optionally also storing the drive values in a look-up table, and a computer readable medium which stores code for implementing any embodiment of the method.



- 
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
  - *of inventorship (Rule 4.17(iv))*

**Published:**

- *with international search report (Art. 21(3))*

**(88) Date of publication of the international search report:**  
4 April 2013

**A. CLASSIFICATION OF SUBJECT MATTER****G02F 1/133(2006.01)i, G09G 3/36(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

G02F 1/133; G09G 3/36; G02F 1/1347; G09G 5/10; G09G 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords:dual,LCD,color,achromatic,panel

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                      | Relevant to claim No.                                                                                                    |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| X         | US 2008/0088649 A1 (HIDENORI IKENO et al.) 17 April 2008<br>See paragraphs [0038]-[0043], [0061]-[0080], [0172]-[0174] and figures 1,5. | 1-3,4-5,6-9,11<br>,12-13,14-15,16-18<br>,19-20,21-24,26-27<br>,28-29,30-32,33-34<br>,35-38,40,41,42,43<br>10,25,39,44-47 |
| A         |                                                                                                                                         |                                                                                                                          |
| A         | US 2011/0032454 A1 (HIDENORI IKENO et al.) 10 February 2011<br>See abstract, paragraphs [0034]-[0039] and figure 1.                     | 1-47                                                                                                                     |
| A         | US 2007/0242028 A1 (YOSHIRO KITAGAWA et al.) 18 October 2007<br>See abstract, paragraphs [0046]-[0053] and figure 1.                    | 1-47                                                                                                                     |
| A         | US 7821474 B2 (MARCUS GABRIEL G. et al.) 26 October 2010<br>See abstract, column 2, line 44 - column 5, line 64 and figures 1-3.        | 1-47                                                                                                                     |



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

27 DECEMBER 2012 (27.12.2012)

Date of mailing of the international search report

**28 DECEMBER 2012 (28.12.2012)**

Name and mailing address of the ISA/KR

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City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

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Telephone No. 82-42-481-5731



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2012/034967**

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)                                                                                                                                                                                   | Publication<br>date                                                                                                                                    |
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| US 7821474 B2                             | 26.10.2010          | US 2008-0088647 A1                                                                                                                                                                                           | 17.04.2008                                                                                                                                             |