



(51) International Patent Classification:
G02F 1/13357 (2006.01) **G02F 1/1335** (2006.01)

(21) International Application Number:
PCT/KR2009/002782

(22) International Filing Date:
26 May 2009 (26.05.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2008-0049146 27 May 2008 (27.05.2008) KR
10-2008-0061487 27 June 2008 (27.06.2008) KR
10-2008-0099569 10 October 2008 (10.10.2008) KR
10-2009-0035029 22 April 2009 (22.04.2009) KR

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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, 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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

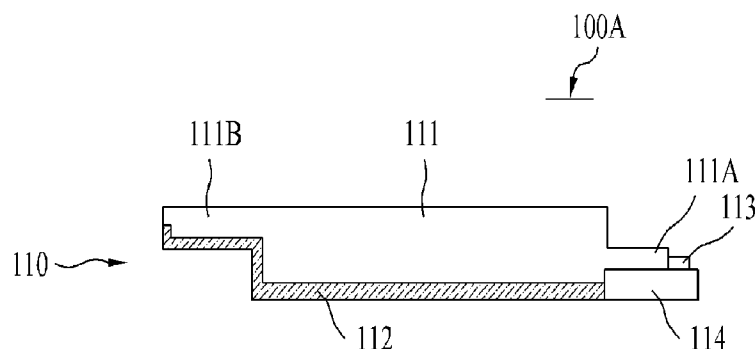
Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
4 March 2010

(54) Title: LED BACK-LIGHT UNIT AND LIQUID CRYSTAL DISPLAY DEVICE USING THE SAME

[Fig. 1]



(57) Abstract: An LED back-light unit and other devices using the LED back-light unit are discussed. According to one embodiment, an LED back-light unit includes a light guide portion that includes a light guide plate and a reflection plate coupled to the light guide plate, wherein the light guide plate has a light input part and a first connection part, and wherein the reflection plate has a second connection part connected to the first connection part, and a light source including at least one light emitting diode, the light source emitting light toward the light guide portion.

A. CLASSIFICATION OF SUBJECT MATTER**G02F 1/13357(2006.01)i, G02F 1/1335(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 1/13357; F21V 8/00; G09F 9/00

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 since 1975.

Japanese utility models and applications for utility models since 1975.

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

eKOMPASS(KIPO internal) & Keywords: "LED", "backlight", "light guide plate", "reflection plate", "connect"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2006-286638 A (AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PRIVATE LTD.) 19 October 2006 See paragraph [07] - paragraph [43]; claims 1-3 and figures 1-19.	1-60
A	JP 2006-108033 A (MITSUBISHI RAYON CO., LTD.) 20 April 2006 See paragraph [12] - paragraph [21]; claim 1 and figures 1-3.	1-60
A	JP 11-288611 A (NITTO JUSHI KOGYO KK et al.) 19 October 1999 See paragraph [23] - paragraph [67]; claim 1 and figures 1-7.	1-60
A	JP 2006-134748 A (MITSUBISHI RAYON CO., LTD.) 25 May 2006 See paragraph [17] - paragraph [38]; claim 1 and figures 1-3.	1-60



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

07 JANUARY 2010 (07.01.2010)

Date of mailing of the international search report

08 JANUARY 2010 (08.01.2010)

Name and mailing address of the ISA/KR

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gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2009/002782

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JP 2006-134748 A	25.05.2006	None	