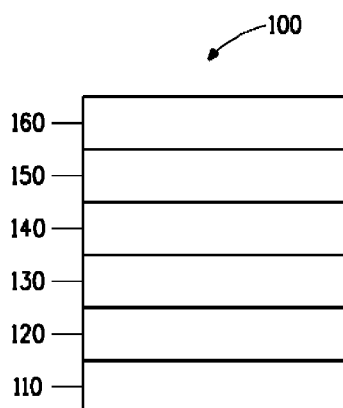




- (51) International Patent Classification:
C09K 11/06 (2006.01) H01L 51/50 (2006.01)
C07C 15/28 (2006.01)
- (21) International Application Number:
PCT/US2012/032681
- (22) International Filing Date:
9 April 2012 (09.04.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/473,323 8 April 2011 (08.04.2011) US
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- (74) Agent: **IMBALZANO, Martha, S.**; E. I. du Pont de Nemours and Company, Legal Patent Records Center, 4417 Lancaster Pike, Wilmington, Delaware 19805 (US).
- (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,

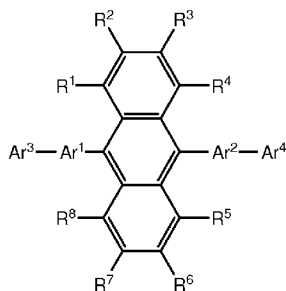
[Continued on next page]

(54) Title: ELECTRONIC DEVICE

**FIG. 1**

(57) Abstract: There is provided an electronic device having two electrical contact layers with a photoactive layer between them. The photoactive layer has a single component which is a compound having Formula (I): In Formula (I): R¹ through R⁸ are the same or different at each occurrence and are H, D, alkyl, alkoxy, aryl, aryloxy, siloxane, or silyl; Ar¹ and Ar² are the same or different and are aryl groups; and Ar³ and Ar⁴ are the same or different and are H, D, or aryl groups.

(I)





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).

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:

17 October 2013

A. CLASSIFICATION OF SUBJECT MATTER**C09K 11/06(2006.01)i, C07C 15/28(2006.01)i, H01L 51/50(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)

C09K 11/06; H01L 51/30; H01L 51/50; C07C 15/28

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) & Keywords: OLED, anthracene, deuterated anthracene

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2010-099534 A2 (E. I. DU PONT DE NEMOURS AND COMPANY) 02 September 2010 See pages 5-17 and claims 1-26.	1-7
A	WO 2010-071871 A2 (E. I. DU PONT DE NEMOURS AND COMPANY) 24 June 2010 See pages 5-11 and claims 1-11.	1-7
A	WO 2007-070251 A2 (EASTMAN KODAK COMPANY) 21 June 2007 See pages 9-17 and claims 1-23.	1-7
A	WO 2005-080527 A1 (EASTMAN KODAK COMPANY) 01 September 2005 See pages 4-12 and claims 1-35.	1-7



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

30 August 2013 (30.08.2013)

Date of mailing of the international search report

30 August 2013 (30.08.2013)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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