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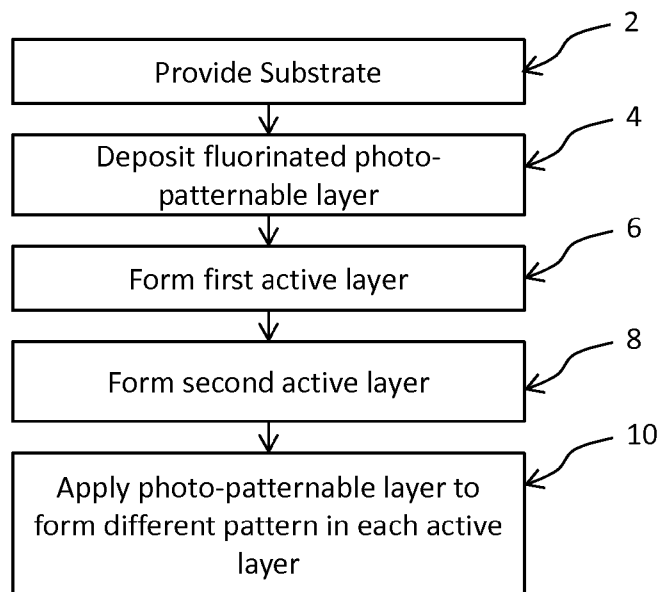
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[Continued on next page]

(54) Title: PROCESS FOR PATTERNING MATERIALS IN THIN-FILM DEVICES

**FIG. 1**



(57) Abstract: A method for forming a device includes providing a substrate; depositing a single fluorinated photo-patternable layer over the substrate; forming a first and a second active layer over the substrate; and applying the photo-patternable layer to form a first pattern within the first active layer and a second, different pattern within the second active layer. Particular examples disclosed in the present disclosure can be employed to form thin film electronics devices, including OLED devices and TFTs with a reduced number of photolithographic steps.

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29 November 2012

**A. CLASSIFICATION OF SUBJECT MATTER*****H01L 51/56(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)

H01L 51/56; H01L 21/302; G03F 7/20; H01L 21/461; H01L 21/44; H01J 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

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: fluorinated photo-patternable layer, photo resist layer, photo sensitive layer

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7202179 B2 (Carl P. Taussing et al.) 10 April 2007 See abstract, column 1, line 59-column 2, line 20, and claims 38,40	1-25
A	US 7674701 B2 (RINNE GLENN A.) 09 March 2010 See column 25, line 46 - column 27, line 52, and figures 20a-20f	1-25
A	US 2010-0003621 A1 (YIN HUI et al.) 07 January 2010 See abstract, paragraphs [0041]-[0044], and figure 2	1-25
A	US 7086917 B2 (Ye Tao) 08 August 2006 See column 4, lines 13-39, and figures 3-5	1-25

 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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"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

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

Date of the actual completion of the international search

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7202179 B2	10.04.2007	US 2006-134922 A1	22.06.2006
US 7674701 B2	09.03.2010	None	
US 2010-0003621 A1	07.01.2010	None	
US 7086917 B2	08.08.2006	None	