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DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
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MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
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(54) **Title:** ORTHOGONAL SOLVENTS AND COMPATIBLE PHOTORESISTS FOR THE PHOTOLITHOGRAPHIC PAT-
TERNING OF ORGANIC ELECTRONIC DEVICES

(57) **Abstract:** The present invention provides improved solvents and photoresists for the photolithographic patterning of organic
electronic devices, systems comprising combinations of these solvents and photoresists, and methods for using these systems of
solvents and photoresists to pattern various organic electronic materials.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/034748**A. CLASSIFICATION OF SUBJECT MATTER****G03F 7/004(2006.01)i, G03F 7/038(2006.01)i, G03F 7/032(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)

G03F

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: fluorine, orthogonal solvent, hydrofluoroether, photoresist

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	WO 2009-143357 A2 (CORNELL UNIVERSITY et al.) 26 November 2009 See abstract, pages 4-32, claims 1-17.	1-5, 15-21, 25, 35, 36 6-14, 22-24, 26-34
A	PRISCILLA G. TAYLOR et al. `Orthogonal Patterning of PEDOT:PSS for Organic Electronics using Hydrofluoroether Solvents` Advanced Materials, 2009, Vol. 21, pages 2314-2317 See pages 2314-2317.	1-36
A	Jin Kyun Lee et al. `Orthogonal Processing: A Novel Photolithographic Patterning Method for Organic Electronics` Journal of Photopolymer Science and Technology, 2009, Vol. 22, No. 5, pages 565-569 See pages 565-569.	1-36

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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"&" document member of the same patent family

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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
WO 2009-143357 A2	26.11.2009	CN 102037409 A	27.04.2011
		EP 2297613 A2	23.03.2011
		JP 2012-509494 A	19.04.2012
		KR 10-2011-0009708 A	28.01.2011
		US 2011-0159252 A1	30.06.2011
		WO 2009-143357 A3	26.11.2009