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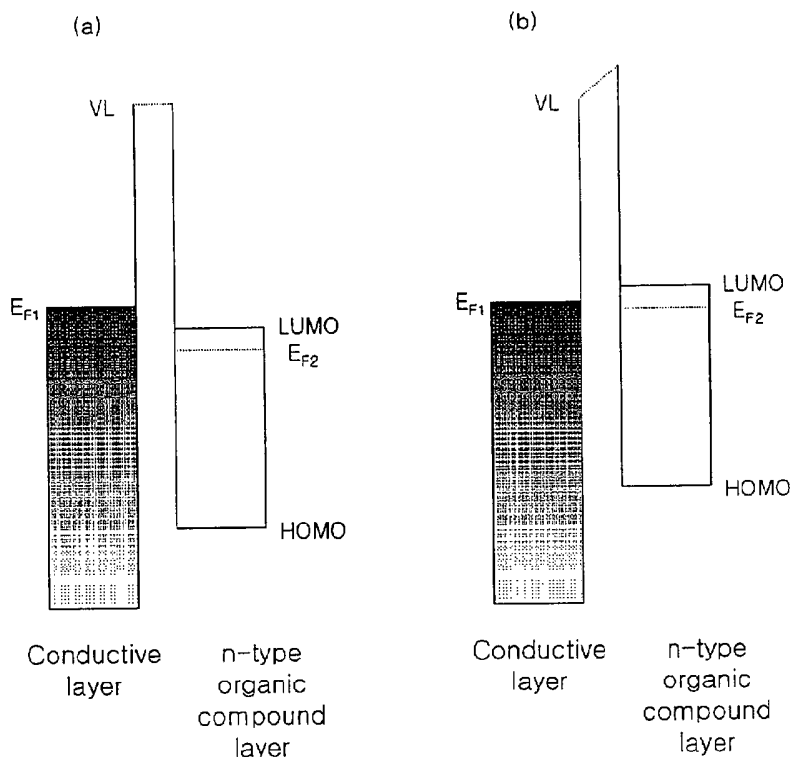
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[Continued on next page]

(54) Title: WIRING FOR SEMICONDUCTOR DEVICE, THIN FILM TRANSISTOR ARRAY PANEL INCLUDING WIRING, AND MANUFACTURING METHOD THEREOF



(57) Abstract: A method of manufacturing a thin film panel is provided, which includes: forming a gate line (20) on a substrate (10), the gate line including a gate electrode; forming a gate insulating layer on the gate line; forming a silicon layer formed on the gate insulating layer; forming a data line intersecting the gate line and a drain electrode separated from the data line on the silicon layer or on the gate insulating layer; and forming a self assembled monolayer (SAM) (30) on at least one of the gate line and the data line.



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 2004/001381

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: H01L 21/768

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)

IPC<sup>7</sup>: H01LDocumentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
-----Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPODOC, PAJ, WPI, English Fulltext

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6433359 B1 (KELLEY et al.) 13 August 2002 (13.08.2002) <i>abstract, summary, figure 3 and its associated description, claims 1, 23.</i>	1-6
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A	US 6395454 B1 (PISCEVIC) 28 May 2002 (28.05.2002) <i>abstract, summary of the invention, claims 1, 2, 5.</i>	1-4
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A	US 2002/084252 A1 (BUCHWALTER et al.) 4 July 2002 (04.07.2002) <i>the whole document.</i>	7-12
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☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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

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16 June 2005 (16.06.2005)Date of mailing of the international search report  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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