

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2017/109090

A. CLASSIFICATION OF SUBJECT MATTER

H01L 51/52 (2006.01) i; 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

Documentation 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)

CNPAT, WPI, EPODOC, CNKI: 聚酰亚胺, 非晶硅, 氧化硅, 第 2, 第二, 上, polyimide, PI, SiO, silicon, a?Si

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 104167424 A (SAMSUNG DISPLAY CO., LTD.) 26 November 2014 (26.11.2014), description, paragraphs [0062]-[0070], and figure 1	6-14
Y	CN 104167424 A (SAMSUNG DISPLAY CO., LTD.) 26 November 2014 (26.11.2014), description, paragraphs [0062]-[0070], and figure 1	1-5, 15
Y	CN 106340523 A (XIAMEN TIANMA MICRO-ELECTRONICS CO., LTD. et al.) 18 January 2017 (18.01.2017), description, paragraph [0043], and figure 1	1-5, 15
A	CN 102664196 A (AU OPTRONICS CORPORATION) 12 September 2012 (12.09.2012), entire document	1-15
A	CN 105789473 A (KUNSHAN GOVISIONOX OPTOELECTRONICS CO., LTD.) 20 July 2016 (20.07.2016), entire document	1-15
A	CN 105845844 A (TRULY SEMICONDUCTORS CO., LTD.) 10 August 2016 (10.08.2016), entire document	1-15

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>“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</p> <p>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>“&”document member of the same patent family</p>
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<p>Date of the actual completion of the international search</p> <p style="text-align: center;">20 April 2018</p>	<p>Date of mailing of the international search report</p> <p style="text-align: center;">17 May 2018</p>
<p>Name and mailing address of the ISA</p> <p>State Intellectual Property Office of the P. R. China</p> <p>No. 6, Xitucheng Road, Jimenqiao</p> <p>Haidian District, Beijing 100088, China</p> <p>Facsimile No. (86-10) 62019451</p>	<p>Authorized officer</p> <p style="text-align: center;">AN, Jing</p> <p>Telephone No. (86-10) 53962583</p>

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002140347 A1 (WEAVER, MICHAEL STUART) 03 October 2002 (03.10.2002), entire document	1-15

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2017/109090

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 104167424 A	26 November 2014	KR 20140135565 A	26 November 2014
		EP 2804231 A2	19 November 2014
		US 2014339517 A1	20 November 2014
		US 9419243 B2	16 August 2016
		CN 203910803 U	29 October 2014
		TW 201445732 A	01 December 2014
CN 106340523 A	18 January 2017	None	
CN 102664196 A	12 September 2012	TW 201336057 A	01 September 2013
		CN 102664196 B	24 December 2014
		TW I495091 B	01 August 2015
CN 105789473 A	20 July 2016	None	
CN 105845844 A	10 August 2016	None	
US 2002140347 A1	03 October 2002	US 2004119068 A1	24 June 2004
		US 6664137 B2	16 December 2003
		US 2007152213 A1	05 July 2007
		US 7683534 B2	23 March 2010
		US 7187119 B2	06 March 2007