

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference UP-172114-02	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CN2017/099983	International filing date (<i>day/month/year</i>) 31 August 2017	(Earliest) Priority Date (<i>day/month/year</i>)
Applicant BOE TECHNOLOGY GROUP CO., LTD.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed.

a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 7H

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Provided is a thin film transistor. The thin film transistor includes a first source electrode (20) and a first drain electrode (30) spaced apart from each other; an active layer (10) on the first source electrode (20) and the first drain electrode (30), the active layer (10) having a channel part (1) between the first source electrode (20) and the first drain electrode (30), a source electrode contact part (2a) in contact with the first source electrode (20), and a drain electrode contact part (3a) in contact with the first drain electrode (30); a second source electrode (21) on a side of the source electrode contact part (2a) distal to the first source electrode (20), the second source electrode (21) being electrically connected to the first source electrode (20); and a second drain electrode (31) on a side of the drain electrode contact part (3a) distal to the first drain electrode (30), the second drain electrode (31) being electrically connected to the first drain electrode (30).

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2017/099983

A. CLASSIFICATION OF SUBJECT MATTER		
H01L 29/786(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)		
WPI, EPODOC, CNPAT, CNKI: TFT, thin, film, transistor, source, drain, clamp, sandwich, stack, two, double, dual, distal, edge		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 103247691 A (E INK HOLDINGS INC.) 14 August 2013 (2013-08-14) description, paragraphs [0042]-[0054], figure 2	1-22
X	US 5981317 A (U.S. PHILIPS CORPORATION) 09 November 1999 (1999-11-09) description, column 4, line 45 to column 6, line 42, figure 7	1-22
X	US 2017117493 A1 (INTERNATIONAL BUSINESS MACHINES CORPORATION) 27 April 2017 (2017-04-27) description, paragraphs [0022]-[0040], figures 1-9	1-22
X	CN 101278403 A (SEMICONDUCTOR ENERGY LAB.) 01 October 2008 (2008-10-01) description, page 15, line 7 to page 16, line 2, figure 6	1-22
A	JP 2010040645 A (FUJIFILM CORP.) 18 February 2010 (2010-02-18) the whole document	1-22
A	CN 106856199 A (INNOLUX CORP.) 16 June 2017 (2017-06-16) the whole document	1-22
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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 "E" earlier application or patent but published on or after the international filing date "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) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "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 "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 "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 "&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
22 May 2018		30 May 2018
Name and mailing address of the ISA/CN		Authorized officer
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2017/099983

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	103247691	A	14 August 2013	TW	I445181	B	11 July 2014
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