

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference UP-170871-02	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CN2017/092070	International filing date (<i>day/month/year</i>) 06 July 2017	(Earliest) Priority Date (<i>day/month/year</i>)
Applicant BOE TECHNOLOGY GROUP CO., LTD. et al		

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. 1

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)**

A peep-proof apparatus for switching a viewing angle of a display panel between a first viewing angle and a second viewing angle. The peep-proof apparatus includes a base substrate(61); a first liquid crystal layer(10) on the base substrate(61); a second liquid crystal layer(20) on a side of the first liquid crystal layer(10) distal to the base substrate(61); a first controller configured to control the first liquid crystal layer(10) to switch between being light transmissive and being light blocking in a plurality of first regions(R1) spaced apart from each other while other regions in the first liquid crystal layer(10) being light transmissive; and a second controller configured to control the second liquid crystal layer(20) to switch between being light transmissive and being light blocking in a plurality of second regions(R2) spaced apart from each other while other regions in the second liquid crystal layer(20) being light transmissive.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2017/092070

A. CLASSIFICATION OF SUBJECT MATTER		
G02F 1/1335(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)		
G02F1/-		
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,CNKI,WPLEPODOC: peep w proof, anti w peep, peep+, liquid crystal, transmi+, block+, region?, electrode, overlap+		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2005107306 A (SHARP K.K.) 21 April 2005 (2005-04-21) description paragraphs[0027]-[0032],figures10-13	1-24
A	CN 103792703 A (BOE TECHNOLOGY GROUP CO., LTD.) 14 May 2014 (2014-05-14) the whole document	1-24
A	CN 103091883 A (AU OPTRONICS CORP.) 08 May 2013 (2013-05-08) the whole document	1-24
A	US 2006192735 A1 (ORISAWA,TOSHIKAZU) 31 August 2006 (2006-08-31) the whole document	1-24
A	JP 2005107326 A (ASAHI GLASS CO.,LTD. ET AL) 21 April 2005 (2005-04-21) the whole document	1-24
<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
16 March 2018		28 March 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/CN2017/092070

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
JP	2005107306	A	21 April 2005	None			
CN	103792703	A	14 May 2014	WO	2015109705	A1	30 July 2015
				US	9507188	B2	29 November 2016
				US	2016282650	A1	29 September 2016
				CN	103792703	B	06 April 2016
CN	103091883	A	08 May 2013	US	2014063386	A1	06 March 2014
				CN	103091883	B	04 November 2015
				US	8988643	B2	24 March 2015
				TW	201411250	A	16 March 2014
				TW	I485490	B	21 May 2015
US	2006192735	A1	31 August 2006	JP	2006242977	A	14 September 2006
JP	2005107326	A	21 April 2005	None			