

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/115059

A. CLASSIFICATION OF SUBJECT MATTER

H01L 27/32(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; G09F

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, EPODOC, WPI, IEEE: 显示, 开孔, 开口, 阻隔, 隔离, 拦截, display, open+, isolation, spacer?, separat+, intercept +

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PY	CN 110246984 A (BOE TECHNOLOGY GROUP CO., LTD. et al.) 17 September 2019 (2019-09-17) description, paragraphs [0038]-[0078], and figures 1-7	1-33
PY	CN 110212113 A (BOE TECHNOLOGY GROUP CO., LTD.) 06 September 2019 (2019-09-06) description, paragraphs [0063]-[0095], and figures 1-10	1-33
Y	CN 109360843 A (BOE TECHNOLOGY GROUP CO., LTD.) 19 February 2019 (2019-02-19) description, paragraphs [0088]-[0153], and figures 1-11	1-33
Y	CN 108666347 A (SHANGHAI TIANMA MICROELECTRONICS CO., LTD.) 16 October 2018 (2018-10-16) description, paragraphs [0048]-[0151], and figures 1-44	1-33
A	US 2017287993 A1 (JOLED INC. et al.) 05 October 2017 (2017-10-05) entire document	1-33

 Further documents are listed in the continuation of Box C.
 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

17 January 2020

Date of mailing of the international search report

23 January 2020

Name and mailing address of the ISA/CN

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2019/115059

Patent document cited in search report	Publication date (day/month/year)		Patent family member(s)	Publication date (day/month/year)
CN 110246984	A	17 September 2019	None	
CN 110212113	A	06 September 2019	None	
CN 109360843	A	19 February 2019	None	
CN 108666347	A	16 October 2018	US 2019333972	A1 31 October 2019
US 2017287993	A1	05 October 2017	US 10163993	B2 25 December 2018
			JP 2017183201	A 05 October 2017