

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2018/075853

A. CLASSIFICATION OF SUBJECT MATTER

G11C 19/28 (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)

G11C

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, IEEE: 京东方, 移位寄存器, 驱动, 栅极, 显示, 充电, 上拉, 下拉, 节点, 电位, 输出, 复位, 时钟信号, 反向, 逆向, 双向, 扫描, 正向, 移位, 噪声, 降噪; shift register, driv+, grid, display, pull up, pull down, node, reset, clock, signal, reverse, inverse, bidirection, forward, backward, scan +, noise, reduction.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 107331418 A (BOE TECHNOLOGY GROUP CO., LTD. et al.), 07 November 2017 (07.11.2017), description, paragraphs [0060]-[0114], and figures 2-4	1-19
X	CN 104078017 A (HEFEI BOE OPTOELECTRONICS TECHNOLOGY CO., LTD. et al.), 01 October 2014 (01.10.2014), description, paragraphs [0038]-[0091], and figures 2-8	1-2, 8, 14-19
Y	CN 104078017 A (HEFEI BOE OPTOELECTRONICS TECHNOLOGY CO., LTD. et al.), 01 October 2014 (01.10.2014), the same as above	3, 8-19
Y	CN 106098011 A (BOE TECHNOLOGY GROUP CO., LTD. et al.), 09 November 2016 (09.11.2016), description, paragraphs [0059]-[0117], and figure 4	3, 8-19
A	CN 106448536 A (HEFEI XINSHENG OPTOELECTRONICS TECHNOLOGY CO., LTD. et al.), 22 February 2017 (22.02.2017), entire document	1-19

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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Date of the actual completion of the international search 20 April 2018	Date of mailing of the international search report 21 May 2018
Name and mailing address of the ISA State Intellectual Property Office of the P. R. China No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088, China Facsimile No. (86-10) 62019451	Authorized officer DU, Jingzi Telephone No. 86-(10)-53961529

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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 2016093264 A1 (BOE TECHNOLOGY GROUP CO., LTD. et al.), 31 March 2016 (31.03.2016), entire document	1-19

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2018/075853

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 107331418 A	07 November 2017	None	
CN 104078017 A	01 October 2014	US 2015371716 A1	24 December 2015
CN 106098011 A	09 November 2016	None	
CN 106448536 A	22 February 2017	None	
US 2016093264 A1	31 March 2016	CN 104240766 A	24 December 2014