

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2017/116411

A. CLASSIFICATION OF SUBJECT MATTER

G09G 3/3225 (2016.01) 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)

G09G 3/-

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: 显示, 亮度, 灰阶, 最大, 调整, 控制, 校正, 驱动, 划分, 分区, 像素, 象素, 阈值, 映射, 电压,
display, luminance, brightness, gray, scale, maximum, adjust, control, compensation, drive, pixel, threshold, mapping, voltage

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| PX | CN 107331350 A (WUHAN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD.) 07 November 2017 (07.11.2017), description, paragraphs [0048]-[0100], and figures 1-7 | 1-7 |
| Y | CN 106910487 A (WUHAN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD.) 30 June 2017 (30.06.2017), description, paragraphs [0027]-[0046] and [0052]-[0054], and figures 1-4 | 1, 2, 5, 6 |
| Y | CN 106991972 A (SHENZHEN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD.) 28 July 2017 (28.07.2017), description, paragraphs [0002] and [0029]-[0044], and figure 2 | 1, 2, 5, 6 |
| A | CN 105096875 A (WUHAN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD.) 25 November 2015 (25.11.2015), entire document | 1-7 |

Further documents are listed in the continuation of Box C.

See patent family annex.

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| <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;">23 April 2018</p> | <p>Date of mailing of the international search report</p> <p style="text-align: center;">18 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;">YANG, Shixing</p> <p>Telephone No. (86-10) 53962441</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 | CN 105845086 A (BOE TECHNOLOGY GROUP CO., LTD.) 10 August 2016 (10.08.2016), entire document | 1-7 |
| A | CN 106157897 A (BOE TECHNOLOGY GROUP CO., LTD. et al.) 23 November 2016 (23.11.2016), entire document | 1-7 |
| A | US 2015109188 A1 (CHUNGHWA PICTURE TUBES, LTD.) 23 April 2015 (23.04.2015), entire document | 1-7 |

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2017/116411

| Patent Documents referred in the Report | Publication Date | Patent Family | Publication Date |
|---|------------------|------------------|------------------|
| CN 107331350 A | 07 November 2017 | None | |
| CN 106910487 A | 30 June 2017 | None | |
| CN 106991972 A | 28 July 2017 | None | |
| CN 105096875 A | 25 November 2015 | CN 105096875 B | 12 December 2017 |
| CN 105845086 A | 10 August 2016 | CN 105845086 B | 25 August 2017 |
| | | WO 2017206735 A1 | 07 December 2017 |
| CN 106157897 A | 23 November 2016 | WO 2018054108 A1 | 29 March 2018 |
| US 2015109188 A1 | 23 April 2015 | TW 201517260 A | 01 May 2015 |
| | | US 9171501 B2 | 27 October 2015 |