

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2017/114739

## A. CLASSIFICATION OF SUBJECT MATTER

G03B 21/00 (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)

G03B 21/-

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, WPI, EPODOC: 投影, 光调制, 光阀, 微镜, DMD, 偏移, 偏转, 时序, 循环, 扫描, 分辨率, 分区, 像素, project+, light modulat+, light valve, micro w mirror, time sequence, cycl+, scan+, resolute+, pixel, section

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2012327376 A1 (TEXAS INSTRUMENTS INCORPORATED) 27 December 2012 (27.12.2012), description, paragraphs [0036]-[0077], and figures 3A-15	1-16
A	CN 106444240 A (SHENZHEN YLX TECHNOLOGY DEVELOPMENT CO., LTD.) 22 February 2017 (22.02.2017), entire document	1-16
A	CN 105980926 A (NEC DISPLAY SOLUTIONS LTD.) 28 September 2016 (28.09.2016), entire document	1-16
A	CN 102193301 A (SHENZHEN APPOTRONICS CORPORATION) 21 September 2011 (21.09.2011), entire document	1-16
A	CN 1954257 A (RICOH CO., LTD.) 25 April 2007 (25.04.2007), entire document	1-16
A	JP 2002139792 A (RICOH K. K.) 17 May 2002 (17.05.2002), entire document	1-16

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>“&amp;” document member of the same patent family</p>
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07 May 2018

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/CN2017/114739

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
US 2012327376 A1	27 December 2012	US 8542427 B2	24 September 2013
		US 8259382 B2	04 September 2012
		US 2008151354 A1	26 June 2008
CN 106444240 A	22 February 2017	None	
CN 105980926 A	28 September 2016	EP 3104221 A1	14 December 2016
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		WO 2011113374 A1	22 September 2011
		WO 2005111714 A1	24 November 2005
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		US 7753531 B2	13 July 2010
		KR 20070022041 A1	23 February 2007
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		JP 2002139792 A	17 May 2002