

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CN2018/071985

## A. CLASSIFICATION OF SUBJECT MATTER

G02B 27/42 (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)

G02B 27

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: 激光, 拍摄, 摄像, 成像, 投影, 衍射, 三维, 立体, 深度, 景深, 重叠, 重合, 重复, 均匀, 相关, laser, imag+, camera, project+, diffract+, 3D, three 1w dimension+, tridimension+, stereo+, depth, overlap+, homogen+, correlat+

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 107450190 A (SHENZHEN ORBBEC CO., LTD.) 08 December 2017 (08.12.2017), claims 1-9, description, paragraphs [0008]-[0032], and figures 1-13	1-11
X	CN 106292144 A (HAND HELD PRODUCTION INC.) 04 January 2017 (04.01.2017), description, paragraphs [0007]-[0023] and [0039]-[0046], and figure 1	1, 2, 5, 10, 11
X	CN 103309137 A (PRIMESENSE LTD.) 18 September 2013 (18.09.2013), description, paragraphs [0027]-[0047], and figures 2-5	1, 2, 5, 10, 11
A	CN 106406002 A (SHENZHEN ORBBEC CO., LTD.) 15 February 2017 (15.02.2017), entire document	1-11
A	US 2012105855 A1 (ASAHI GLASS COMPANY, LIMITED) 03 May 2012 (03.05.2012), entire document	1-11

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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Date of the actual completion of the international search

17 May 2018

Date of mailing of the international search report

30 May 2018

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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	WO 2016024200 A2 (MANTISVISION LTD.) 18 February 2016 (18.02.2016), entire document	1-11

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

International application No.  
PCT/CN2018/071985

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 107450190 A	08 December 2017	None	
CN 106292144 A	04 January 2017	US 2016377414 A1	29 December 2016
		US 2018100733 A1	12 April 2018
		EP 3112923 A1	04 January 2017
CN 103309137 A	18 September 2013	CN 103309137 B	20 May 2015
		KR 20130105381 A	25 September 2013
		CN 104730825 A	24 June 2015
		CN 203385981 U	08 January 2014
		US 2014211215 A1	31 July 2014
CN 106406002 A	15 February 2017	None	
US 2012105855 A1	03 May 2012	JP 2012098548 A	24 May 2012
		US 8995057 B2	31 March 2015
		JP 5760391 B2	12 August 2015
WO 2016024200 A2	18 February 2016	CN 106796661 A	31 May 2017
		US 2016050401 A1	18 February 2016
		WO 2016024203 A2	18 February 2016
		US 2016223828 A1	04 August 2016
		US 9915827 B2	13 March 2018