

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 206330081W00	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CN2018/107035	International filing date (<i>day/month/year</i>) 21 September 2018	(Earliest) Priority Date (<i>day/month/year</i>) 22 September 2017
Applicant ZHEJIANG DAHUA TECHNOLOGY CO., LTD.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed.

a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 5

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/107035

A. CLASSIFICATION OF SUBJECT MATTER		
H04N 5/235(2006.01)i; H04N 5/243(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)		
H04N		
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)		
CNABS, CNKI, VEN: camera, dark, low light, image, infrared, fill flash, fill in light, fill light, colour, color, luminance, compound, mix, merge, combine, shooting parameters, exposure parameters		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 107566747 A (ZHEJIANG DAHUA TECHNOLOGY CO LTD) 09 January 2018 (2018-01-09) description, paragraphs 0045 to 0136 and figures 1 to 4	1-31
X	CN 106488201 A (HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO LTD) 08 March 2017 (2017-03-08) description, paragraphs 0020 to 0032, 0130 to 0162, 0190 to 0198 and figures 1 to 10	1-2, 7-12, 17-22, 27-31
Y	CN 106488201 A (HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO LTD) 08 March 2017 (2017-03-08) description, paragraphs 0020 to 0032, 0130 to 0162, 0190 to 0198 and figures 1 to 10	3-6, 13-16, 23-26
X	CN 102075683 A (SAMSUNG ELECTRONICS CO LTD) 25 May 2011 (2011-05-25) description, paragraphs 0059, 0063 to 0066, 0079 to 0082 and figures 3 and 5	1-2, 7-12, 17-22, 27-31
Y	CN 102075683 A (SAMSUNG ELECTRONICS CO LTD) 25 May 2011 (2011-05-25) description, paragraphs 0059, 0063 to 0066, 0079 to 0082 and figures 3 and 5	3-6, 13-16, 23-26
X	CN 104661008 A (SHENZHEN ZTE NETVIEW TECHNOLOGY CO LTD) 27 May 2015 (2015-05-27) description, paragraphs 0056 to 0112 and figures 1 and 2	1-2, 7-12, 17-22, 27-31
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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		Date of mailing of the international search report
03 December 2018		12 December 2018
Name and mailing address of the ISA/CN		Authorized officer
National Intellectual Property Administration, PRC 6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing 100088 China		HUANG,Zhi
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN 104661008 A (SHENZHEN ZTE NETVIEW TECHNOLOGY CO LTD) 27 May 2015 (2015-05-27) description, paragraphs 0056 to 0112 and figures 1 and 2	3-6, 13-16, 23-26
Y	CN 103458190 A (XIAOMI TECHNOLOGY CO LTD) 18 December 2013 (2013-12-18) description, paragraphs 0119 to 0122	3-6, 13-16, 23-26
Y	CN 104767941 A (NUBIA TECHNOLOGY CO LTD) 08 July 2015 (2015-07-08) description, paragraphs 0094 to 0103	3-6, 13-16, 23-26
A	CN 104079908 A (SHANGHAI FULLHAN MICROELECTRONICS CO LTD) 01 October 2014 (2014-10-01) the whole document	1-31

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No. PCT/CN2018/107035

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	107566747	A	09 January 2018	None			
CN	106488201	A	08 March 2017	WO	2017036270	A1	09 March 2017
				EP	3343911	A1	04 July 2018
CN	102075683	A	25 May 2011	US	2011122252	A1	26 May 2011
				KR	20110056096	A	26 May 2011
CN	104661008	A	27 May 2015	CN	104661008	B	31 October 2017
CN	103458190	A	18 December 2013	None			
CN	104767941	A	08 July 2015	None			
CN	104079908	A	01 October 2014	CN	104079908	B	02 December 2015