

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>HDP190033PCT</b>	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/CN2020/079222</b>	International filing date ( <i>day/month/year</i> ) <b>13 March 2020</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>22 March 2019</b>
Applicant <b>YUTOU TECHNOLOGY (HANGZHOU) CO. LTD.</b>		

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 3 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. 2

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/CN2020/079222

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
H04N 13/302(2018.01)i; H04N 5/265(2006.01)i; H04N 21/431(2011.01)i; H04N 21/485(2011.01)i		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) H04N G06F G06T		
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, IEEE:AR, headset, glass, augmented reality, UI, user interface, send, synthetic, display, screen, primary, extended, main, canvas,MR, mixed reality, HMD, head mount display, layer		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 10168788 B2 (GETGO, INC.) 01 January 2019 (2019-01-01) description, column 1 line 44 to column 10 line 2	1-18
Y	US 2019075266 A1 (SAMSUNG ELECTRONICS CO., LTD.) 07 March 2019 (2019-03-07) description paragraphs [0050]-[0051]	1-18
A	CN 106997618 A (CHEN, Liuhua) 01 August 2017 (2017-08-01) the whole document	1-18
A	CN 106133645 A (SONY COMPUTER ENTERTAINMENT AMERICA LLC.) 16 November 2016 (2016-11-16) the whole document	1-18
A	CN 108924538 A (TAIRUO TECHNOLOGY BEIJING CO., LTD.) 30 November 2018 (2018-11-30) the whole document	1-18
A	US 2018275766 A1 (MINDMAZE HOLDING SA) 27 September 2018 (2018-09-27) the whole document	1-18
<input 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 <b>01 June 2020</b>		Date of mailing of the international search report <b>17 June 2020</b>
Name and mailing address of the ISA/CN <b>National Intellectual Property Administration, PRC 6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing 100088 China</b>		Authorized officer <b>GONG, Jinling</b>
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**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/CN2020/079222**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
US	10168788	B2	01 January 2019	US	2018173315	A1	21 June 2018
US	2019075266	A1	07 March 2019	EP	3635525	A4	15 April 2020
				WO	2019045491	A2	07 March 2019
				EP	3635525	A2	15 April 2020
				WO	2019045491	A3	04 April 2019
				KR	20190026267	A	13 March 2019
CN	106997618	A	01 August 2017	None			
CN	106133645	A	16 November 2016	BR	112016014304	A2	17 July 2018
				US	2015205106	A1	23 July 2015
				RU	2661808	C2	19 July 2018
				JP	6526054	B2	05 June 2019
				RU	2016130682	A	22 February 2018
				US	10001645	B2	19 June 2018
				WO	2015108887	A1	23 July 2015
				MX	2016009311	A	07 October 2016
				MX	360221	B	25 October 2018
				CN	106133645	B	27 December 2019
				JP	2017511943	A	27 April 2017
				CA	2933749	C	04 December 2018
				CA	2933749	A1	23 July 2015
				EP	3095024	A1	23 November 2016
				WO	2015108887	A8	03 November 2016
CN	108924538	A	30 November 2018	None			
US	2018275766	A1	27 September 2018	None			