

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/122724

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
G06F 3/14(2006.01)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) 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: 增强现实, 虚拟现实, 虚拟, 界面, 人机交互, 元素, 菜单, 选项, 相对, 空间, 位置, 角度, 姿态, 区域, 三维, 旋转坐标系, 时长, 选中, 操作, 控制, 切换, 标记物, 上层, 下层, augmented reality, AR, virtual reality, VR, virtual, interface, interaction, element?, menu, option, relative, space, position, angle, posture, area, 3D, rotation coordinate system, time length, selected, operat+, control, switching, marker, 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.
X	CN 108304075 A (HISCENE (SHANGHAI) INFORMATION TECHNOLOGY CO., LTD.) 20 July 2018 (2018-07-20) description, paragraphs [0145]-[0222] and [0309]-[0319], and figures 1-8	1-32
A	CN 106997235 A (HISCENE (SHANGHAI) INFORMATION TECHNOLOGY CO., LTD.) 01 August 2017 (2017-08-01) entire document	1-32
A	CN 106933360 A (DU, Yu) 07 July 2017 (2017-07-07) entire document	1-32
A	CN 108646997 A (LIU, Zhiyong) 12 October 2018 (2018-10-12) entire document	1-32
A	CN 108062159 A (HTC CORPORATION) 22 May 2018 (2018-05-22) entire document	1-32
A	US 2018275837 A1 (RIDEON LTD.) 27 September 2018 (2018-09-27) entire document	1-32
<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>17 February 2020</b>		Date of mailing of the international search report <b>24 February 2020</b>
Name and mailing address of the ISA/CN <b>China National Intellectual Property Administration No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China</b> Facsimile No. (86-10)62019451		Authorized officer  Telephone No.

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

International application No.

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	108304075	A	20 July 2018	None			
CN	106997235	A	01 August 2017	US	2018357978	A1	13 December 2018
				WO	2017129148	A1	03 August 2017
CN	106933360	A	07 July 2017	None			
CN	108646997	A	12 October 2018	None			
CN	108062159	A	22 May 2018	EP	3318956	A1	09 May 2018
				TW	201820083	A	01 June 2018
				US	2018130242	A1	10 May 2018
US	2018275837	A1	27 September 2018	None			