

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/122594

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
G06F 21/56(2013.01)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		
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)		
CNKI, CNPAT, WPI, EPODOC, IEEE: 检测, 监测, 影像, 图像, 照片, 头像, 人脸, 界面, 截屏, 录屏, 篡改, 假, 伪, 不合法, 非法, 应用, 应用程序, 校验码, 识别码, 序列码, 签名, 指纹, 水印, monit+, picture, image, interface, screen d print, screen d capture, juggle, tamp+, fake, illegal+, APP, identification, sequence, code, ID, signature, fingerprint, watermark		
<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	CN 104123491 A (GUANGZHOU KINGSOFT NETWORK TECHNOLOGY CO., LTD.) 29 October 2014 (2014-10-29) description, paragraphs 0071-0099	1-16
Y	CN 105426709 A (FUJIAN NORCA TECHNOLOGY CO., LTD.) 23 March 2016 (2016-03-23) description, paragraphs 0024-0030, and figure 5	1-16
Y	CN 108108618 A (CHINA ACADEMY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY) 01 June 2018 (2018-06-01) description, paragraphs 0003-0020	1-16
A	CN 103763108 A (CHEN, Ziqi) 30 April 2014 (2014-04-30) entire document	1-16
A	CN 105471886 A (NEUSOFT CORPORATION) 06 April 2016 (2016-04-06) entire document	1-16
A	US 2016352522 A1 (SOONGSIL UNIVERSITY RESEARCH CONSORTIUM TECHNO-PARK) 01 December 2016 (2016-12-01) entire document	1-16
<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		Date of mailing of the international search report
12 February 2020		21 February 2020
Name and mailing address of the ISA/CN		Authorized officer
<b>China National Intellectual Property Administration</b> <b>No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing</b> <b>100088</b> <b>China</b>		
Facsimile No. (86-10)62019451		Telephone No.

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

International application No.

**PCT/CN2019/122594**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	104123491	A	29 October 2014	None			
CN	105426709	A	23 March 2016	None			
CN	108108618	A	01 June 2018	None			
CN	103763108	A	30 April 2014	None			
CN	105471886	A	06 April 2016	None			
US	2016352522	A1	01 December 2016	WO	2016064040	A1	28 April 2016
				KR	101566141	B1	06 November 2015