

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2020/076531

A. CLASSIFICATION OF SUBJECT MATTER

G06F 3/041(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)

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)

CNABS, CNKI, DWPI, SIPOABS; 触控, 触摸, 坐标, 距离, 角度, 夹角, 定位, 位置; touch, coordinate, distance, angle, locate, position

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 102645994 A (BEIJING BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.) 22 August 2012 (2012-08-22) description, paragraphs 7-76, figures 2-14	1-19
X	CN 103631431 A (SAMSUNG DISPLAY CO., LTD.) 12 March 2014 (2014-03-12) description, paragraphs 7-202, figures 1-13	1-19
A	CN 110427122 A (BEIJING YUNJI TECHNOLOGY CO., LTD.) 08 November 2019 (2019-11-08) entire document	1-19
A	US 2014354589 A1 (SAMSUNG ELECTRONICS CO., LTD.) 04 December 2014 (2014-12-04) entire document	1-19

 Further documents are listed in the continuation of Box C.
 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

09 October 2020

Date of mailing of the international search report

21 October 2020

Name and mailing address of the ISA/CN

**China National Intellectual Property Administration (ISA/
CN)**
No. 6, Xitucheng Road, Jimenqiao, Haidian District, Beijing
100088
China

Facsimile No. (86-10)62019451

Authorized officer

Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2020/076531

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	102645994	A	22 August 2012	CN	102645994	B	09 December 2015
CN	103631431	A	12 March 2014	US	2014055406	A1	27 February 2014
				KR	101973168	B1	29 April 2019
				JP	6181998	B2	16 August 2017
				CN	103631431	B	30 January 2018
				JP	2014044708	A	13 March 2014
				US	9052770	B2	09 June 2015
				KR	20140032022	A	14 March 2014
CN	110427122	A	08 November 2019	None			
US	2014354589	A1	04 December 2014	EP	2811373	B1	02 January 2019
				KR	20140142778	A	15 December 2014
				EP	2811373	A3	28 October 2015
				EP	2811373	A2	10 December 2014
				KR	2109649	B1	13 May 2020
				US	9262028	B2	16 February 2016