

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2020/081220

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> G06F 9/445(2018.01)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) DWPI; SIPOABS; CNABS; CNTXT; CNKI: 类加载器, 类信息, classloader, class information, JAVA		
<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 101763257 A (SU TECHNOLOGY CO., LTD.) 30 June 2010 (2010-06-30) description, paragraphs 2-101	1, 5, 11, 15, 21
X	CN 103647636 A (XIAMEN MEIYA PICO INFORMATION CO., LTD.) 19 March 2014 (2014-03-19) description, paragraphs 2-50	1, 5, 11, 15, 21
A	CN 108279940 A (HUAWEI SOFTWARE TECHNOLOGY CO., LTD.) 13 July 2018 (2018-07-13) entire document	1-21
A	US 2004143826 A1 (IBM) 22 July 2004 (2004-07-22) entire document	1-21
A	US 2007113234 A1 (BEA SYSTEMS INC) 17 May 2007 (2007-05-17) entire document	1-21
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“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)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p> <p>“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</p> <p>“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</p> <p>“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</p> <p>“&amp;” document member of the same patent family</p>		
Date of the actual completion of the international search <b>02 June 2020</b>		Date of mailing of the international search report <b>30 June 2020</b>
Name and mailing address of the ISA/CN <b>China National Intellectual Property Administration (ISA/ CN) 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**

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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	101763257	A	30 June 2010	CN	101763257	B	16 October 2013
CN	103647636	A	19 March 2014	CN	103647636	B	24 August 2016
CN	108279940	A	13 July 2018	None			
US	2004143826	A1	22 July 2004	US	7051324	B2	23 May 2006
				US	2006156295	A1	13 July 2006
				US	7761862	B2	20 July 2010
US	2007113234	A1	17 May 2007	US	7788660	B2	31 August 2010