

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/122015

A. CLASSIFICATION OF SUBJECT MATTER		
G06F 11/14(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)		
CNPAT, WPI, EPODOC, CNKI: 数据备份, 差异备份, 增量备份, 恢复, 还原, 历史, MVCC, 多版本并发管理, 时间, 可见, 混合, 时段, 时刻, 版本, 一致性, 快照, backup, multi-version concurrency, consistent, restore, recover, store, control, snapshot, time, timestamp, historical		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 110209528 A (TENCENT TECHNOLOGY (SHENZHEN) CO., LTD.) 06 September 2019 (2019-09-06) claims 1-15, description, paragraphs [0054]-[0096], and figures 1-5	1-20
Y	CN 107835983 A (NUODB INC.) 23 March 2018 (2018-03-23) description, paragraphs [0088], [0108] and [0109], and figures 8c and 9	1, 5-11, 14-16, 19
Y	CN 104375904 A (LANGCHAO ELECTRONIC INFORMATION INDUSTRY CO., LTD.) 25 February 2015 (2015-02-25) description, paragraph [0008]	1, 5-11, 14-16, 19
A	CN 106610875 A (XIANZHI YUNDUAN DATA CO., LTD.) 03 May 2017 (2017-05-03) entire document	1-20
A	US 2017286228 A1 (ACRONIS INTERNATIONAL GMBH) 05 October 2017 (2017-10-05) entire document	1-20
A	CN 102591744 A (MICROSOFT CORPORATION) 18 July 2012 (2012-07-18) entire document	1-20
<input checked="" 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
17 February 2020		25 February 2020
Name and mailing address of the ISA/CN		Authorized officer
China National Intellectual Property Administration (ISA/CN) No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China		
Facsimile No. (86-10)62019451		Telephone No.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 107077495 A (MICROSOFT TECHNOLOGY LICENSING LLC) 18 August 2017 (2017-08-18) entire document	1-20
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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 110209528 A	06 September 2019	None	
CN 107835983 A	23 March 2018	EP 3283963 A1 KR 20180021679 A US 2016306709 A1 WO 2016168530 A1 IL 255038 D0 AU 2016250260 A1 CA 2982958 A1	21 February 2018 05 March 2018 20 October 2016 20 October 2016 31 December 2017 07 December 2017 20 October 2016
CN 104375904 A	25 February 2015	None	
CN 106610875 A	03 May 2017	HK 1236640 A0	11 October 2017
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CN 102591744 A	18 July 2012	HK 1173246 A1 US 2012158662 A1	15 January 2016 21 June 2012
CN 107077495 A	18 August 2017	WO 2016064575 A1 US 2016110403 A1 BR 112017005899 A2 EP 3207471 A1 IN 201747012328 A	28 April 2016 21 April 2016 12 December 2017 23 August 2017 14 April 2017