

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(10) 国际公布号
WO 2019/169764 A1

(43) 国际公布日
2019 年 9 月 12 日 (12.09.2019)

(51) 国际专利分类号:
G06F 17/30 (2006.01)

(21) 国际申请号: PCT/CN2018/089458

(22) 国际申请日: 2018 年 6 月 1 日 (01.06.2018)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
201810183496.9 2018 年 3 月 6 日 (06.03.2018) CN

(71) 申请人: 平安科技(深圳)有限公司(PING AN TECHNOLOGY (SHENZHEN) CO., LTD.) [CN/CN];
中国广东省深圳市福田区八卦岭八卦三路平安大厦六楼, Guangdong 518000 (CN)。

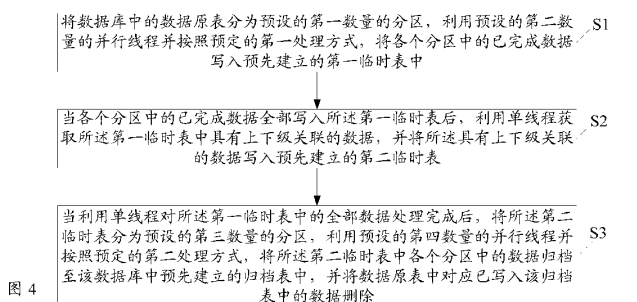
(72) 发明人: 余明浩(YU, Minghao); 中国广东省深圳市福田区八卦岭八卦三路平安大厦六楼, Guangdong 518000 (CN)。

(74) 代理人: 深圳市沃德知识产权代理事务所(普通合伙)(SHENZHEN WORLD INTELLECTUAL PROPERTY AGENCY (GENERAL PARTNERSHIP)); 中国广东省深圳市福田区园岭街道八卦四路 10 号中浩大厦 1528-1530 室于志光, Guangdong 518000 (CN)。

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(54) Title: ELECTRONIC DEVICE, LINKED ARCHIVING METHOD FOR DATA, SYSTEM, AND STORAGE MEDIUM

(54) 发明名称: 电子装置、数据链式归档的方法、系统及存储介质



S1 DIVIDE AN ORIGINAL DATA TABLE IN A DATABASE INTO A PRESET FIRST NUMBER OF PARTITIONS, AND WRITE COMPLETED DATA IN THE PARTITIONS TO A PRE-ESTABLISHED FIRST TEMPORARY TABLE BY MEANS OF A PRESET SECOND NUMBER OF PARALLEL THREADS ACCORDING TO A PREDETERMINED FIRST PROCESSING MODE
S2 AFTER ALL THE COMPLETED DATA IN THE PARTITIONS IS WRITTEN INTO THE FIRST TEMPORARY TABLE, OBTAIN DATA HAVING A SUPERIOR-SUBORDINATE ASSOCIATION IN THE FIRST TEMPORARY TABLE BY MEANS OF A SINGLE THREAD, AND WRITE THE DATA HAVING THE SUPERIOR-SUBORDINATE ASSOCIATION INTO A PRE-ESTABLISHED SECOND TEMPORARY TABLE
S3 AFTER ALL THE DATA IN THE FIRST TEMPORARY TABLE HAS BEEN PROCESSED BY MEANS OF THE SINGLE THREAD, DIVIDE THE SECOND TEMPORARY TABLE INTO A PRESET THIRD NUMBER OF PARTITIONS, ARCHIVE DATA IN THE PARTITIONS OF THE SECOND TEMPORARY TABLE INTO A PRE-ESTABLISHED ARCHIVE TABLE IN THE DATABASE BY MEANS OF A PRESET FOURTH NUMBER OF PARALLEL THREADS ACCORDING TO A PREDETERMINED SECOND PROCESSING MODE, AND DELETE THE CORRESPONDING DATA, WHICH HAS BEEN WRITTEN TO THE ARCHIVE TABLE, IN THE ORIGINAL DATA TABLE

(57) Abstract: The present application relates to an electronic device, a linked archiving method for data, a system, and a storage medium. The method comprises: dividing an original data table in a database into a preset first number of partitions, and writing completed data in the partitions to a first temporary table by means of a preset second number of parallel threads according to a predetermined first processing mode; after said data is written into the first temporary table, obtaining data having a superior-subordinate association in the first temporary table by means of a single thread, and writing the data having the superior-subordinate association

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into a second temporary table; and after all the data in the first temporary table has been processed, dividing the second temporary table into a preset third number of partitions, archiving data in the partitions of the second temporary table into a pre-established archive table in the database by means of a preset fourth number of parallel threads according to a predetermined second processing mode, and deleting the corresponding data, which has been written to the archive table, in the original data table. According to the present application, data in a database can be quickly and efficiently archived.

(57) 摘要: 本申请涉及一种电子装置、数据链式归档的方法、系统及存储介质, 该方法包括: 将数据库中的数据原表分为预设的第一数量的分区, 利用预设的第二数量的并行线程并按照预定的第一处理方式, 将各个分区中的已完成数据写入第一临时表中; 当写入第一临时表后, 利用单线程获取第一临时表中具有上下级关联的数据, 并将具有上下级关联的数据写入第二临时表; 当对第一临时表中的全部数据处理完成后, 将第二临时表分为预设的第三数量的分区, 利用预设的第四数量的并行线程并按照预定的第二处理方式, 将第二临时表中各个分区中的数据归档至该数据库中预先建立的归档表中, 并将数据原表中对应已写入该归档表中的数据删除。本申请能快速、高效地将数据库中的数据归档。