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— 包括国际检索报告 (条约第 21 条(3))。

(54) Title: METHOD AND DEVICE FOR RESTORING SYSTEM FILE INDEX

(54) 发明名称: 一种恢复系统文件索引的方法及装置

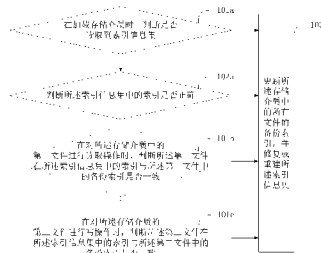


图 1 / Fig. 1

101a Determine whether the index information sets can be read when the storage media is loaded
102a Determine whether the index in the index information sets is correct
101b Determine whether the index of a first file in the index information sets is consistent with the backup index of the first file when a reading operation is conducted on a first file in the storage media
101c Determine whether the index of a second file in the index information sets is consistent with the backup index of the second file when a writing operation is conducted on a second file in the storage media
103 Update the backup index of all the files in the storage media, and repair and rebuild the index information sets

(57) Abstract: The present invention relates to the field of data storage method, and provided are a method and device for restoring a system file index. In the present invention, when the storage media is loaded and the index information sets are not read, or when the storage media is loaded and the index in the index information sets is determined to be incorrect, or when a reading operation is conducted on a file in the storage media and the index of the file in the index information sets is inconsistent with the backup index of the file, or when a writing operation is conducted on the file in the storage media and the index of the file in the index information sets is inconsistent with the backup index of the file, the backup index of all the files in the storage media is updated, and the index information sets is repaired and rebuilt. The system file index restoring method and device of the present invention overcomes the defect of repetitive restarts without recording.

(57) 摘要: 本发明提供了一种恢复系统文件索引的方法及装置, 属于数据储存方法领域。在本发明中, 在加载存储介质并且未读取到索引信息集时, 或在加载存储介质并且判断索引信息集中的索引不正确时, 或在存储介质中的文件进行读取操作并且文件在索引信息集中的索引与文件中的备份索引不一致时, 或在存储介质中的文件进行写操作并且文件在索引信息集中的索引与文件中的备份索引不一致时, 更新存储介质中的所有文件的备份索引, 并修复或重建索引信息集。本发明通过所述恢复系统文件索引的方法及装置, 克服了反复重启不录像的缺陷。



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