

Title (en)

FILESYSTEM-AWARE BLOCK STORAGE SYSTEM, APPARATUS, AND METHOD

Title (de)

DATEISYSTEMBEWUSSTES BLOCKSPEICHERSYSTEM, VORRICHTUNG UND VERFAHREN

Title (fr)

SYSTÈME DE STOCKAGE DE BLOC À RECONNAISSANCE DE SYSTÈME DE FICHIERS, APPAREIL ET PROCÉDÉ ASSOCIÉS

Publication

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Application

EP 07797330 A 20070503

Priority

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- US 79712706 P 20060503

Abstract (en)

[origin: WO2007128005A2] A filesystem-aware storage system locates and analyzes host filesystem data structures in order to determine storage usage of the host filesystem. To this end, the storage system might locate an operating system partition, parse the operating system partition to locate its data structures, and parse the operating system data structures to locate the host filesystem data structures. The storage system manages data storage based on the storage usage of the host file system. The storage system can use the storage usage information to identify storage areas that are no longer being used by the host filesystem and reclaim those areas for additional data storage capacity. Also, the storage system can identify the types of data stored by the host filesystem and manage data storage based on the data types, such as selecting a storage layout and/or an encoding scheme for the data based on the data type.

IPC 8 full level

G06F 3/06 (2006.01)

CPC (source: EP KR)

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Citation (search report)

See references of WO 2007128005A2

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