

Title (en)
TRANSPARENT FILE MIGRATION USING NAMESPACE REPLICATION

Title (de)
TRANSPARENTE DATEIMIGRATION UNTER VERWENDUNG EINER NAMENRAUMDUPLIKATION

Title (fr)
MIGRATION TRANSPARENTE DE FICHIERS PAR REPLICATION D'ESPACES DE NOMMAGE

Publication
EP 1618500 A4 20090107 (EN)

Application
EP 04750678 A 20040426

Priority

- US 2004012847 W 20040426
- US 46557803 P 20030424
- US 46557903 P 20030424
- US 83137604 A 20040423
- US 83170104 A 20040423

Abstract (en)
[origin: WO2004097572A2] A NAS switch provides file migrations in a NAS storage network that are transparent to the clients. A source file server exports an original NAS file handles indicative of object locations on the source file server to the NAS switch. The NAS switch modifies the original NAS file handles to an internal file system and maps the original NAS file handles to a switch file handles independent of location. The NAS switch exports the switch file handles to a client. The client looks-up objects and makes NAS requests to the source file server using switch file handles. The NAS switch performs file migration by first replicating the namespace containing data to be migrated from source file server to a destination file server. Separately, the NAS replicates data which is a relatively longer process than the namespace replication. During data replication, namespace access requests for objects are directed to the replicated namespace. After data replication, file object requests for migrated objects are redirected to the destination file server in a process that is transparent to the client.

IPC 8 full level
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CPC (source: EP)
G06F 16/119 (2018.12); **G06F 16/184** (2018.12); **H04L 67/06** (2013.01); **H04L 67/1095** (2013.01); **H04L 67/1097** (2013.01); **H04L 69/329** (2013.01)

Citation (search report)

- [XY] US 2002161855 A1 20021031 - MANCZAK OLAF [US], et al
- [YA] EP 0926585 A2 19990630 - HITACHI LTD [JP]
- [Y] EP 1209556 A2 20020529 - MICROSOFT CORP [US]
- See references of WO 2004097572A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2004097572 A2 20041111; **WO 2004097572 A3 20050106**; EP 1618500 A2 20060125; EP 1618500 A4 20090107; JP 2006524873 A 20061102; JP 4588024 B2 20101124; WO 2004097686 A1 20041111

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