

Title (en)

MANAGING STORAGE RESOURCES ATTACHED TO A DATA NETWORK

Title (de)

VERWALTUNG VON SPEICHERBETRIEBSMITTELN, DIE AN EIN DATENNETZWERK ANGESCHLOSSEN SIND

Title (fr)

GESTION DE RESSOURCES DE STOCKAGE RATTACHEES A UN RESEAU DE DONNEES

Publication

**EP 1456766 A1 20040915 (EN)**

Application

**EP 02781614 A 20021204**

Priority

- IB 0205214 W 20021204
- IL 14707301 A 20011210
- US 27975502 A 20021023

Abstract (en)

[origin: WO03050707A1] A computer network includes multiple storage nodes (103a-106a) each having a physical storage resource (121a). A system management server (150) on the network (100) identifies the physical storage (121a) on the network (100) and collects it into a virtual storage pool (160). When an application (121) executing on a storage client accesses network storage, the system management server (150) allocates a segment of the virtual storage pool (160) to the application. The segment of the virtual storage pool (160) is stored on a physical storage (121a) resource on the network (100). The system management server monitors the application's use of the network storage and transparently and dynamically re-allocates the virtual segment to an optimal physical storage resource.

IPC 1-7

**G06F 15/173**

IPC 8 full level

**G06F 3/06** (2006.01); **G06F 12/00** (2006.01); **G06F 15/173** (2006.01); **G06F 17/30** (2006.01)

CPC (source: EP)

**G06F 16/10** (2018.12)

Citation (search report)

See references of WO 03050707A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**WO 03050707 A1 20030619**; **WO 03050707 A8 20041104**; CA 2469624 A1 20030619; CN 1602480 A 20050330; EP 1456766 A1 20040915; JP 2005512232 A 20050428

DOCDB simple family (application)

**IB 0205214 W 20021204**; CA 2469624 A 20021209; CN 02824710 A 20021204; EP 02781614 A 20021204; JP 2003551695 A 20021209