

Title (en)

PACKET CLASSIFICATION IN A STORAGE SYSTEM

Title (de)

PAKETKLASSIFIZIERUNG IN EINEM SPEICHERSYSTEM

Title (fr)

CLASSIFICATION DES PAQUETS DANS UN SYSTEME DE STOCKAGE

Publication

**EP 1438808 A2 20040721 (EN)**

Application

**EP 02768900 A 20020927**

Priority

- US 0230557 W 20020927
- US 32570401 P 20010928
- US 5109302 A 20020118

Abstract (en)

[origin: WO03030431A2] A storage switch in accordance with an embodiment of the invention is a highly scalable switch that allows the creation of a SAN that is easy to deploy and that can be centrally managed. Moreover, such a storage switch also allows the deployment of a global infrastructure, allowing the resources of the SAN, such as storage devices, to essentially be positioned anywhere on the globe. Further, such a storage switch allows a multi-protocol SAN, e.g., one that includes both iSCSI or Fibre Channel, and processes data packets at "wire speed". To further enable wire-speed processing, a switch in accordance with the invention has "intelligence" distributed to each of its linecards, through which it classifies packets into data and control packets, it performs virtualization functions, and it performs protocol translation functions. A switch in accordance with the invention further performs serverless storage services such as mirroring, snapshot, and replication.

[origin: WO03030431A2] A storage switch (304) in accordance with an embodiment of the invention is a highly scalable switch that allows the creation of a SAN that is easy to deploy and that can be centrally managed. Moreover, such a storage switch also allows the deployment of a global infrastructure, allowing the resources of the SAN, such as storage devices (306), to essentially be positioned anywhere on the globe. To further enable wire-speed processing, a switch in accordance with the invention has "intelligence" distributed to each of its linecards, through which it classifies packets into data and control packets, and performs virtualization functions. A switch in accordance with the invention further performs serverless storage services such as mirroring, snapshot, and replication.

IPC 1-7

**H04L 12/28**; **H04L 12/56**; **H04J 3/16**

IPC 8 full level

**G06F 13/10** (2006.01); **H04L 29/06** (2006.01); **G06F 3/06** (2006.01); **G06F 12/00** (2006.01); **H04J 3/16** (2006.01); **H04L 12/28** (2006.01); **H04L 12/56** (2006.01); **H04L 29/08** (2006.01)

IPC 8 main group level

**H04L** (2006.01)

CPC (source: EP)

**H04L 67/1097** (2013.01); **G06F 3/0601** (2013.01); **G06F 3/0673** (2013.01)

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 SK TR

DOCDB simple family (publication)

**WO 03030431 A2 20030410**; **WO 03030431 A3 20030703**; EP 1438808 A2 20040721; EP 1438808 A4 20070523; JP 2005505819 A 20050224

DOCDB simple family (application)

**US 0230557 W 20020927**; EP 02768900 A 20020927; JP 2003533501 A 20020927