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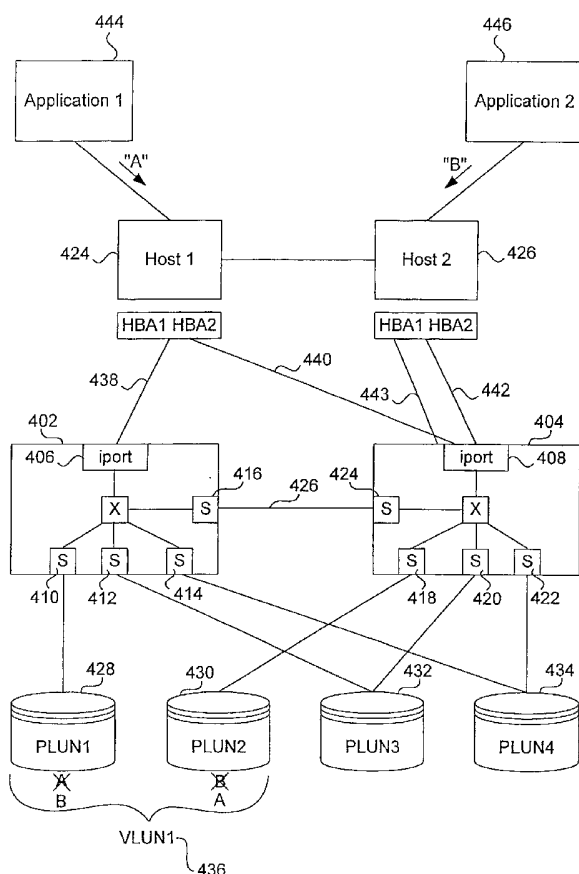
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[Continued on next page]

(54) Title: METHODS AND APPARATUS FOR IMPLEMENTING VIRTUALIZATION OF STORAGE WITHIN A STORAGE AREA NETWORK



(57) Abstract: Methods and apparatus for implementing storage virtualization on a network device of a storage area network are disclosed. A frame or packet is received at a port of the network device. It is then determined that the frame or packet pertains to access of a virtual storage location of a virtual storage unit representing one or more physical storage locations on one or more physical storage units of the storage area network. A virtual-physical mapping between the one or more physical storage locations and the virtual storage location is then obtained. A new or modified frame or packet is then sent to an initiator or a target specified by the virtual-physical mapping.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,
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INTERNATIONAL SEARCH REPORT

Intel Application No

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, IBM-TDB, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/80013 A (STOREAGE NETWORKING TECHNOLOGIES; NAHUM, NELSON) 25 October 2001 (2001-10-25) page 9, line 15 - page 11, line 8 page 15, line 4 - page 16, line 8 page 21, line 41 - page 23, line 41; figures 1,2,5,6,15,19 -----	1-60
Y	JP 2000 242434 A (HITACHI LTD) 8 September 2000 (2000-09-08) the whole document	1-60
L	-& US 6 542 961 B1 (MATSUNAMI NAOTO ET AL) 1 April 2003 (2003-04-01) column 5, line 5 - column 15, line 33 column 17, line 9 - column 18, line 48; figures 1,3-13,15,16,19,20 -----	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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