

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2003/0093509 A1 Li et al.

May 15, 2003 (43) Pub. Date:

(54) STORAGE AREA NETWORK METHODS AND APPARATUS WITH COORDINATED UPDATING OF TOPOLOGY REPRESENTATION

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09/972,542 (21) Appl. No.:

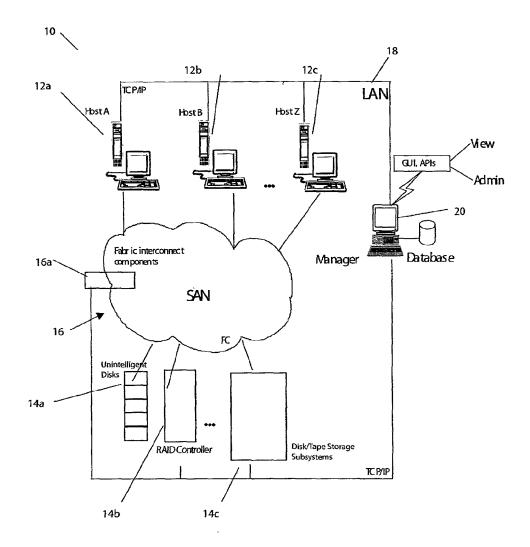
(22) Filed: Oct. 5, 2001

Publication Classification

(51)	Int. Cl. ⁷	 G06F	15/173
(52)	U.S. Cl.		709/223

(57)**ABSTRACT**

A digital data processing apparatus of the type that manages a SAN includes a first queue with entries representing tasks and a second queue with entries representing data that correspond to those tasks. Data in the second queue is grouped in accord with the task to which they correspond. A manager service updates the internal representation of the SAN (e.g., the representation of the SAN topology) by executing the tasks in the first queue one at a time, for example, atomically using a single-threaded process.





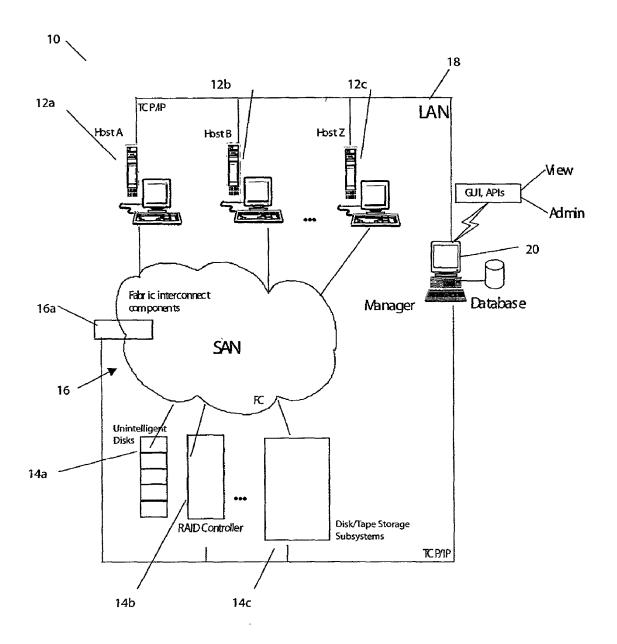


Figure 1

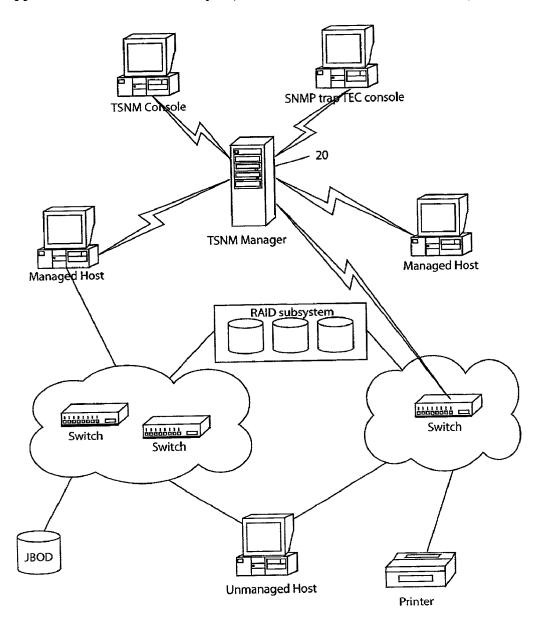


Figure 2

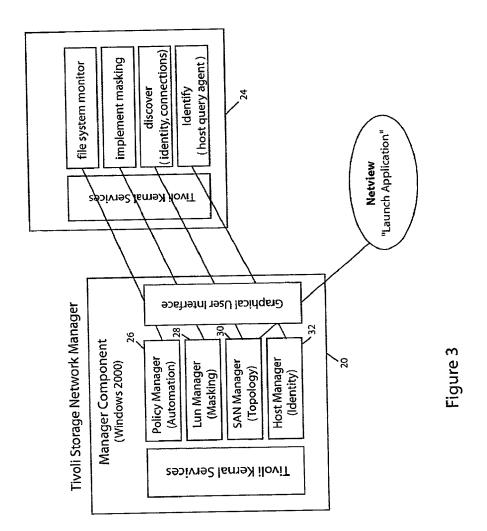
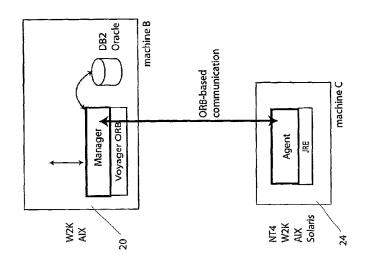


Figure 4

Manager & Agent communication



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