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**Gertner**

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(54) **DATA SHARING USING DISTRIBUTED CACHE IN A NETWORK OF HETEROGENEOUS COMPUTERS**

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This patent is subject to a terminal disclaimer.

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**G06F 17/30** (2006.01)  
**G06F 12/0808** (2016.01)

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CPC ..... **H04L 67/1097** (2013.01); **G06F 3/065** (2013.01); **G06F 3/067** (2013.01); **G06F 3/0619** (2013.01); **G06F 3/0635** (2013.01); **G06F 12/0808** (2013.01); **G06F 12/128** (2013.01); **G06F 17/30569** (2013.01); **H04L 67/2842** (2013.01); **G06F 12/12** (2013.01); **G06F 2212/621** (2013.01); **G06F 2212/69** (2013.01)

(58) **Field of Classification Search**  
None  
See application file for complete search history.

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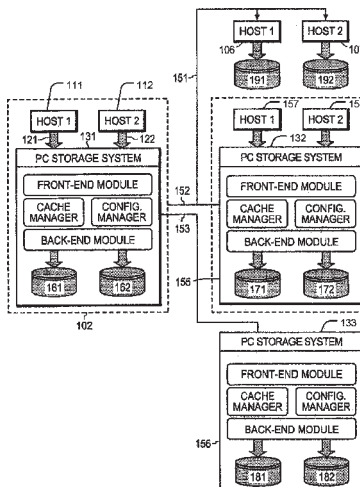
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(57) **ABSTRACT**

A network of PCs includes an I/O channel adapter and network adapter, and is configured for management of a distributed cache memory stored in the plurality of PCs interconnected by the network. The use of standard PCs reduces the cost of the data storage system. The use of the network of PCs permits building large, high-performance, data storage systems.

**24 Claims, 13 Drawing Sheets**



**Related U.S. Application Data**

division of application No. 09/236,409, filed on Jan. 22, 1999, now Pat. No. 6,549,988.

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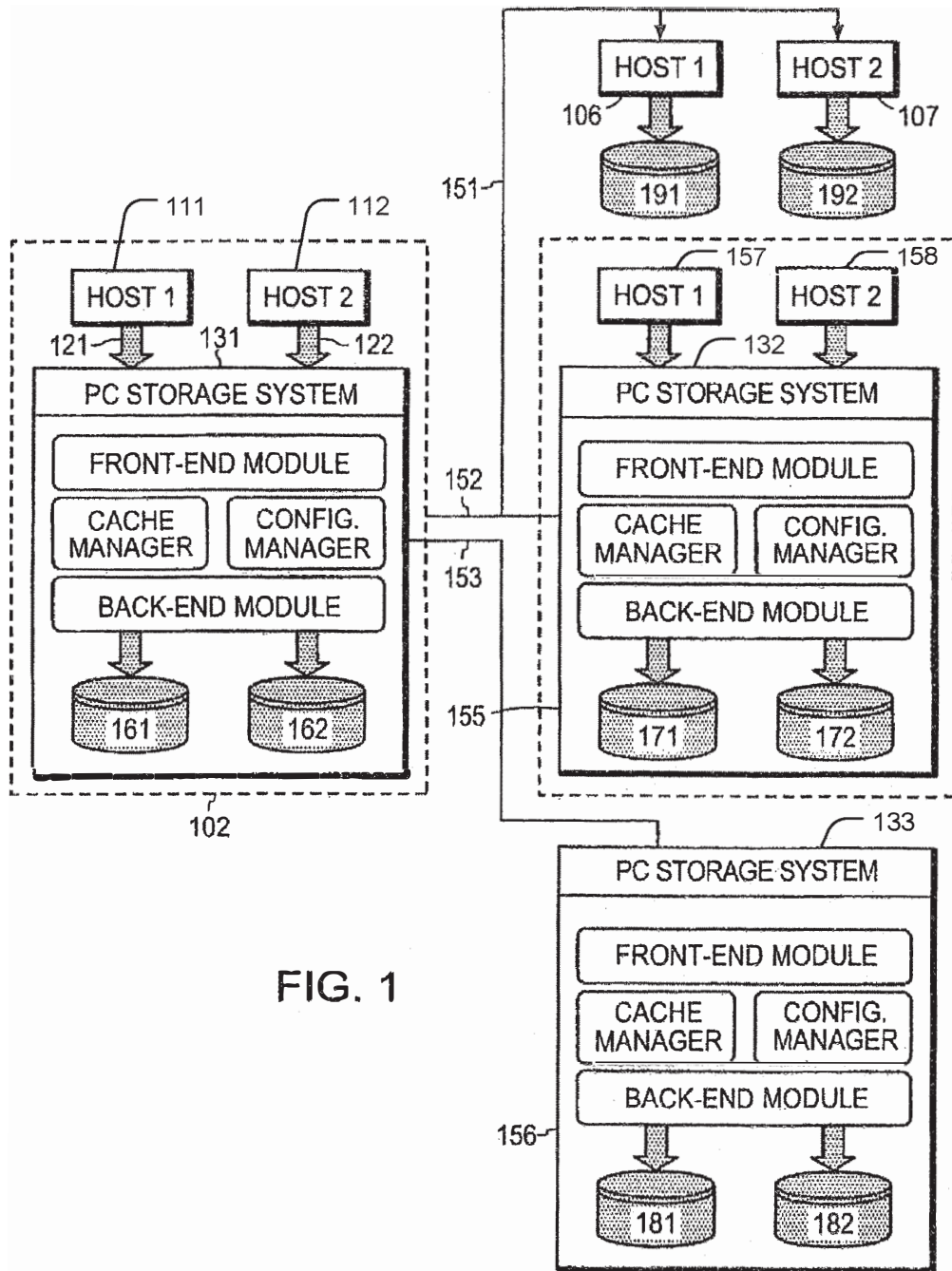


FIG. 1

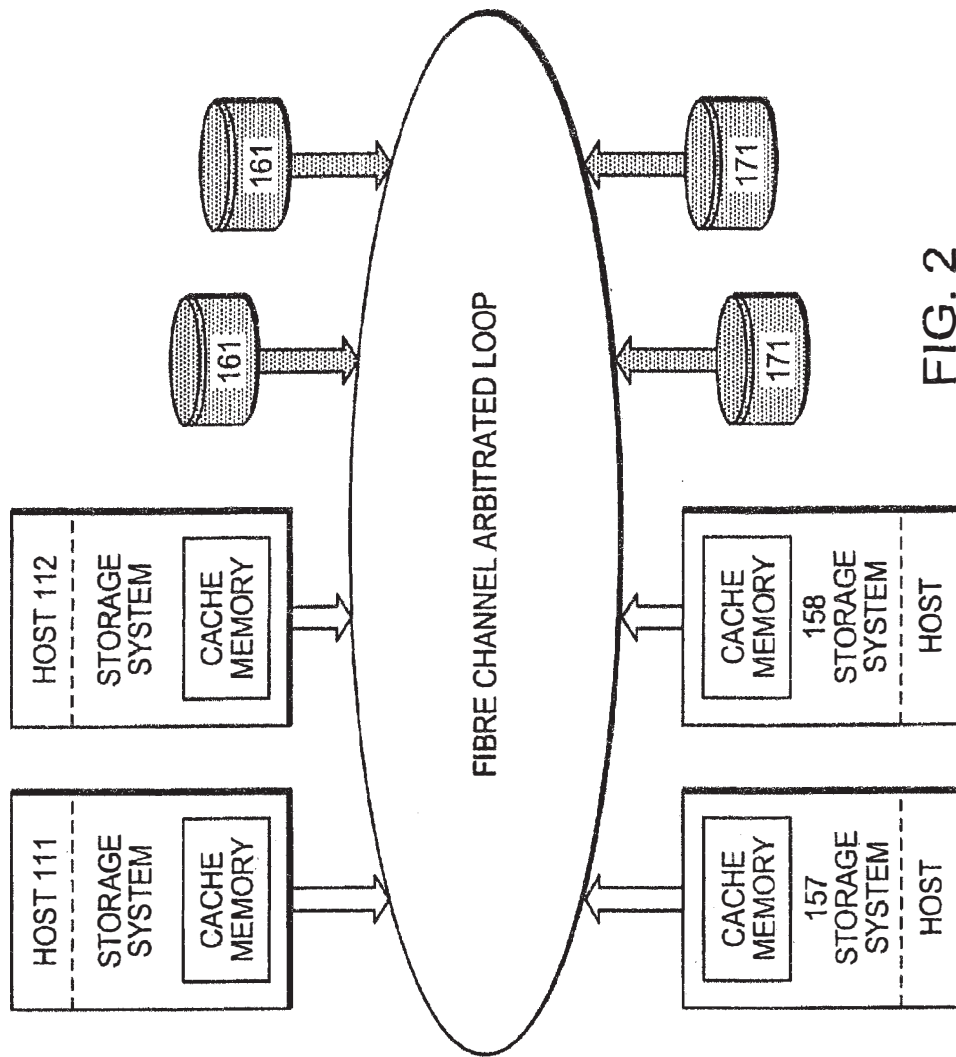


FIG. 2

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