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Yohe et al.

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[54] APPARATUS AND METHOD FOR INCREASED DATA ACCESS IN A NETWORK FILE ORIENTED CACHING SYSTEM

[75] Inventors: Thomas Patrick Yohe, Centerville; Gordon L. Dorworth, Spring Valley, both of Ohio; Jon J. Penner, Austin; Scott Hertzog, Round Rock, both of Tex.

[73] Assignee: Stampede Technologies, Inc., Dayton, Ohio

[*] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,682,514.

[21] Appl. No.: 888,311

[22] Filed: Jul. 3, 1997

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 565,393, Nov. 30, 1995, Pat. No. 5,682,514.

[51] Int. Cl.⁶ G06F 12/08

[52] U.S. Cl. 711/118; 711/122; 395/200.33; 395/200.09

[58] Field of Search 395/200.47, 200.49, 395/200.33, 200.09; 711/144, 118, 122

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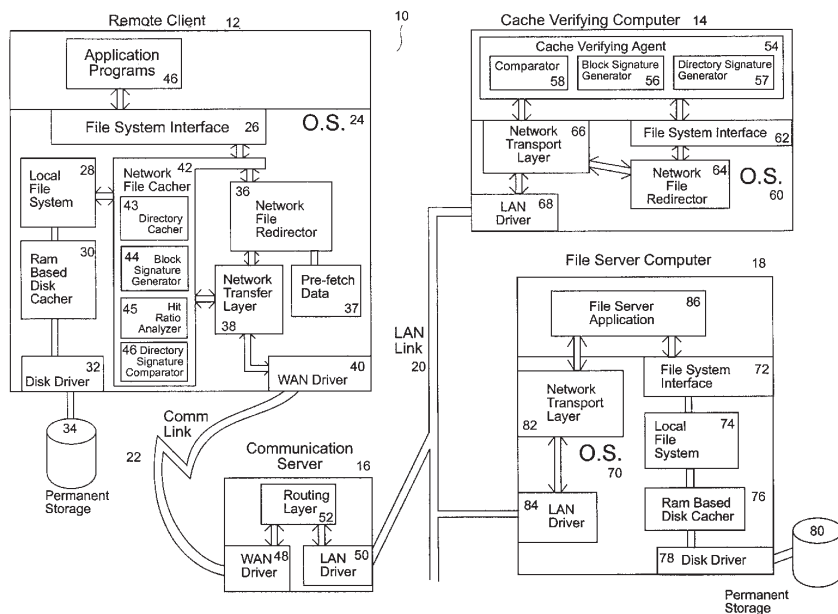
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Primary Examiner—Krisna Lim
Attorney, Agent, or Firm—R. William Graham

[57] ABSTRACT

An apparatus for increased data access in a network includes a file server computer having a permanent storage memory, a cache verifying computer operably connected to the file server computer in a manner to form a network for rapidly transferring data, the cache verifying computer having an operating system, a first memory and a processor with means for performing an operation on data stored in the permanent storage memory of the file server computer to produce a signature of the data characteristic of one of a file and directory, a remote client computer having an operating system, a first memory, a cache memory and a processor with means for performing an operation on data stored in the cache memory to produce a signature of the data, a communication server operably connected to the remote client computer to the cache verifying computer and the file server computer and comparators operably associated with the cache verifying computer and remote client computer for comparing the signatures of data with one another to determine whether the signature of data of the remote client is valid.

12 Claims, 12 Drawing Sheets



Related Art

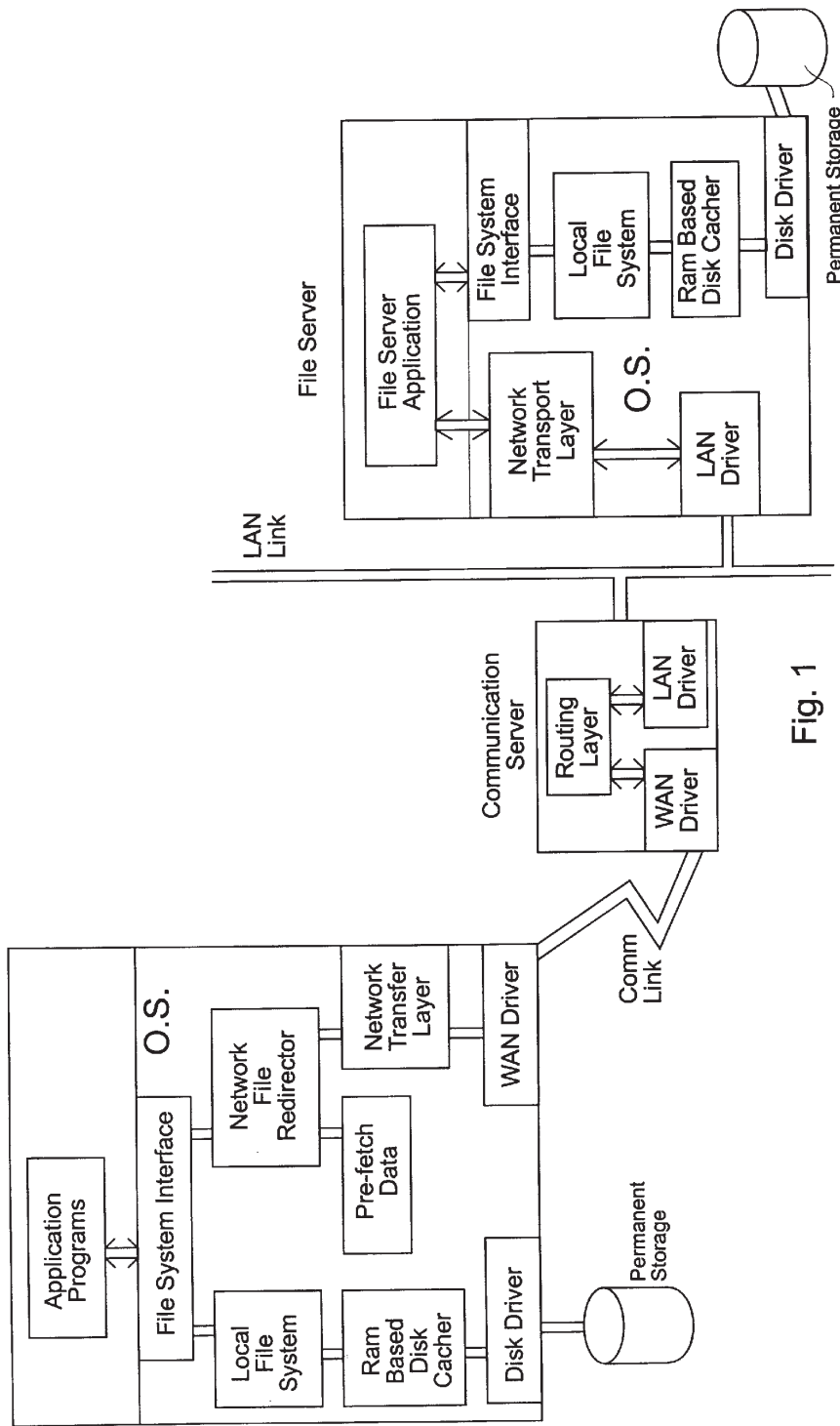


Fig. 1

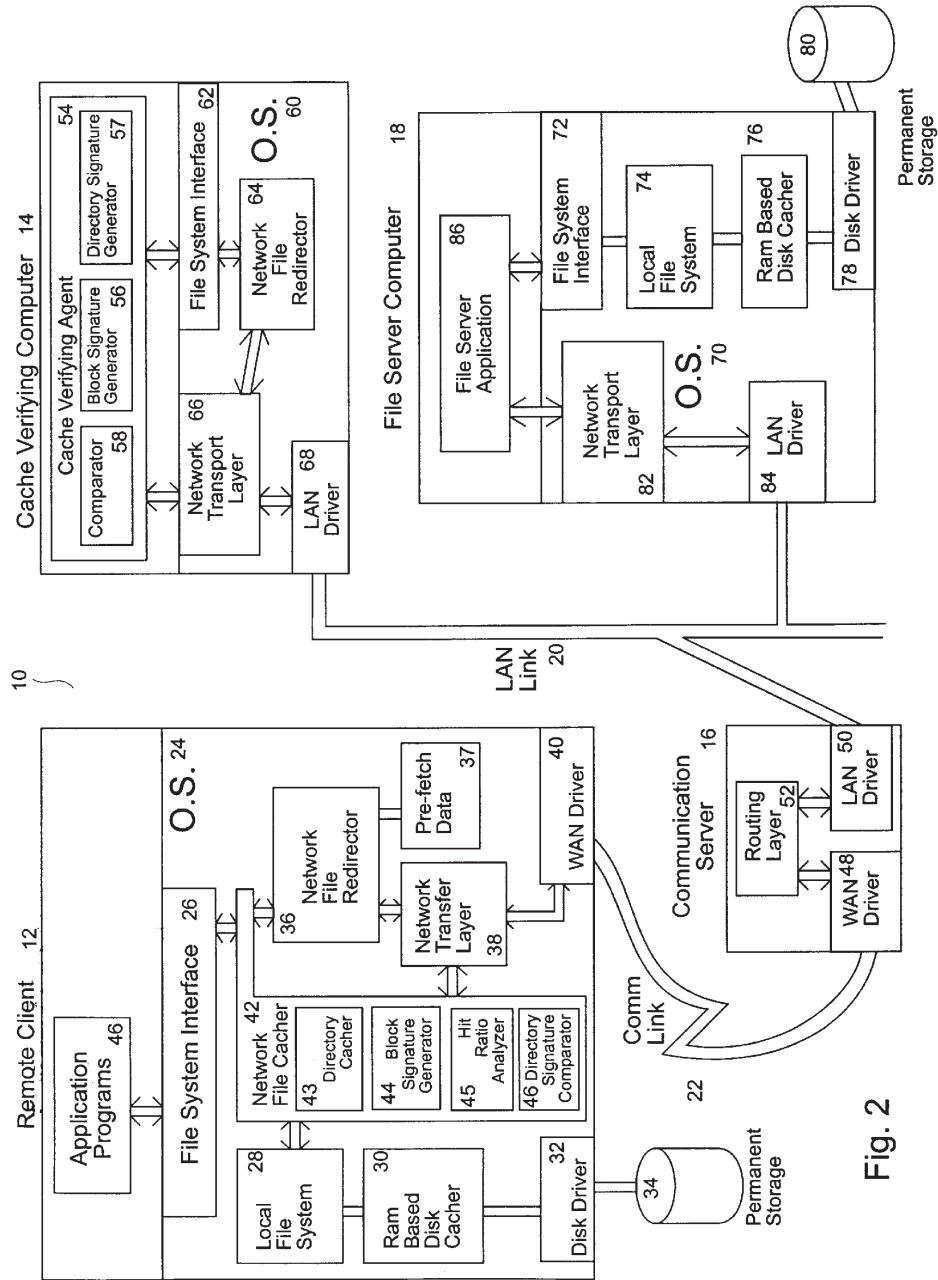


Fig. 2

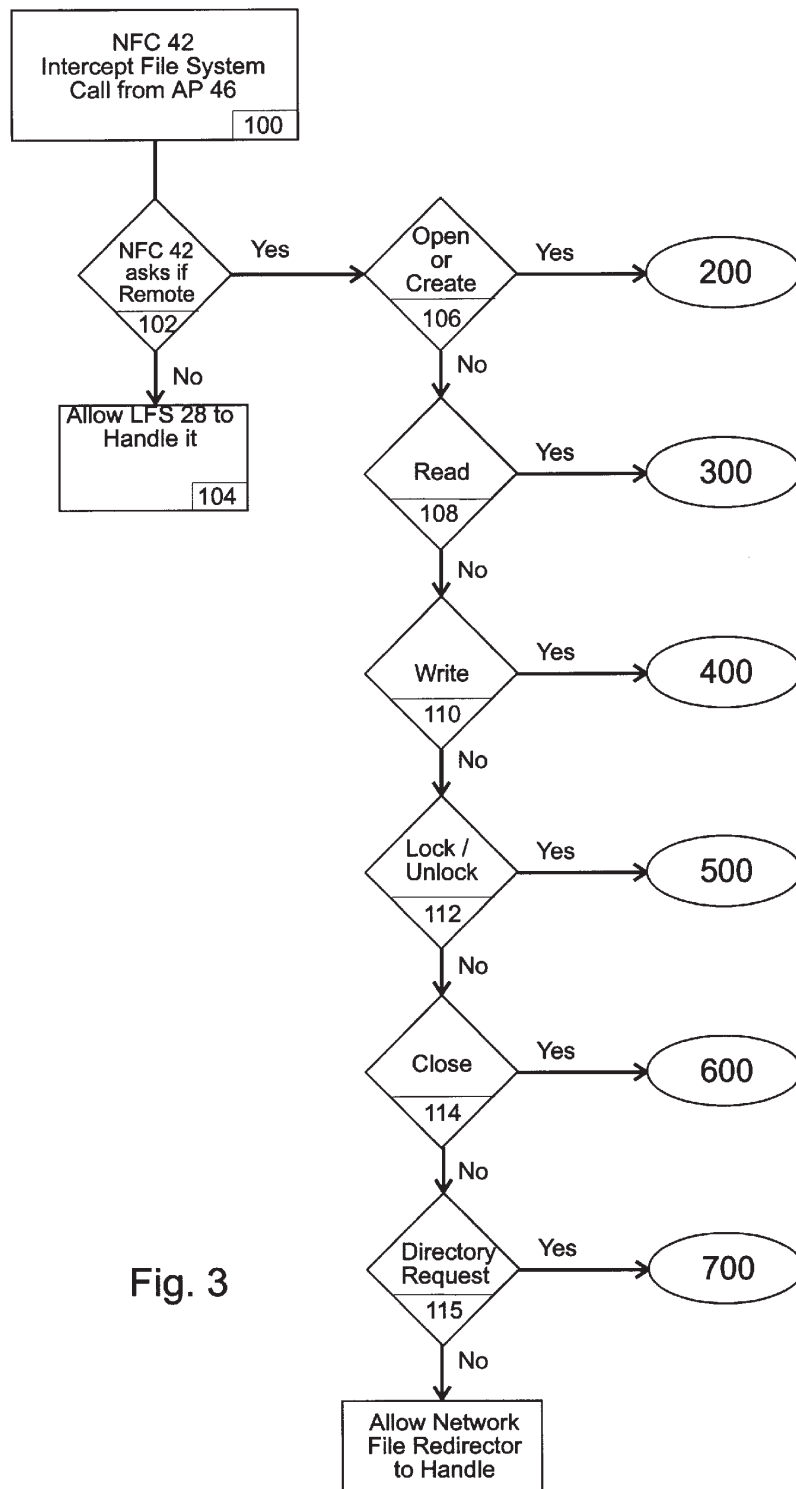


Fig. 3

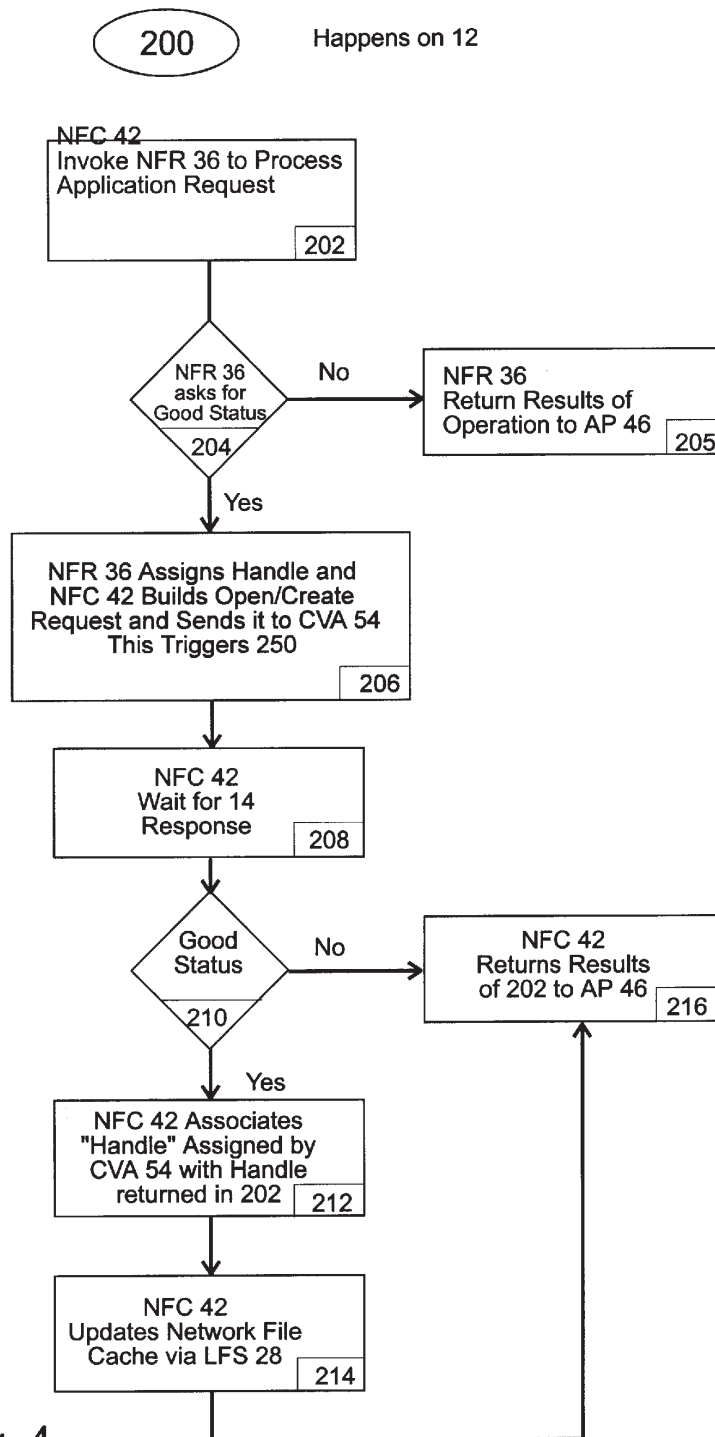


Fig. 4

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