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(12) United States Patent Goldstein

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(54) SYSTEM AND METHOD FOR DATA ACCESS

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(73) Assignee: ProxyConn, Inc., Irvine, CA (US)

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U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/398,007

(22) Filed: Sep. 16, 1999

(51) Int. Cl.⁷ G06F 15/16

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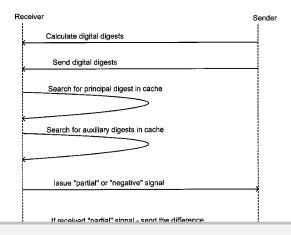
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(57) ABSTRACT

The invention provides a system for data access in a packet-switched network, including a sender/computer including an operating unit, a first memory, a permanent storage memory and a processor and a remote receiver/computer including an operating unit, a first memory, a permanent storage memory and a processor, the sender/computer and the receiver/computer communicating through the network; the sender/computer further including device for calculating digital digests on data; the receiver/computer further including a network cache memory and device for calculating digital digests on data in the network cache memory; and the receiver/computer and/or the sender/computer including device for comparison between digital digests. The invention also provides a method and apparatus for increased data access in a packet-switched network.

34 Claims, 9 Drawing Sheets



MICROSOFT Exhibit 1001



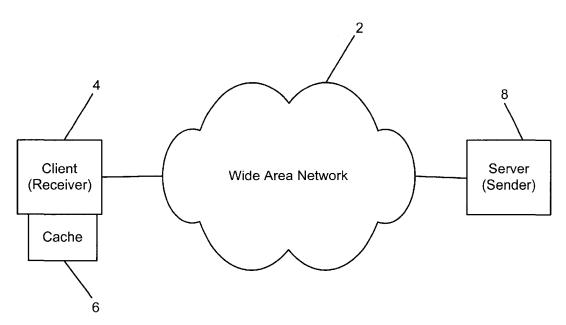


FIG. 1 (PRIOR ART)

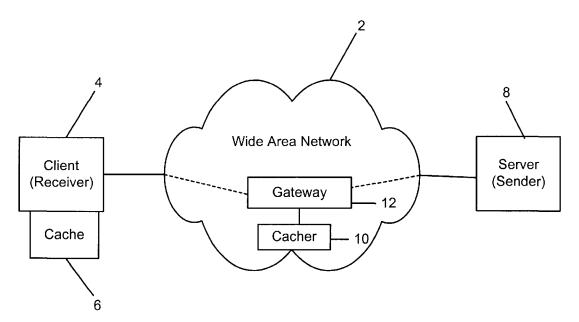
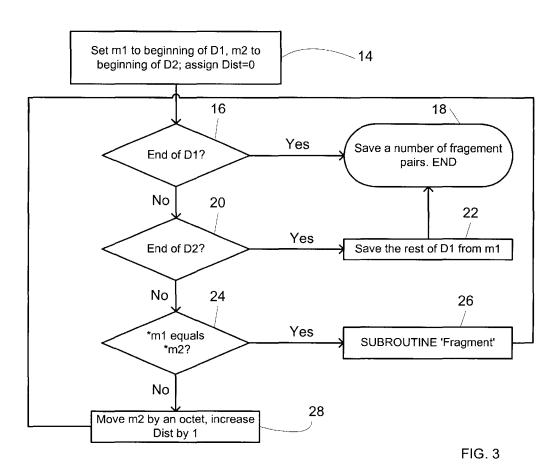
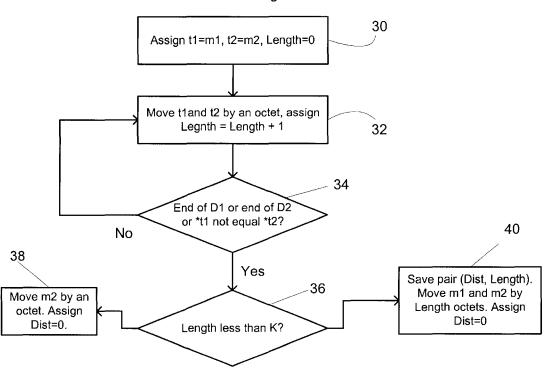


FIG. 2 (PRIOR ART)

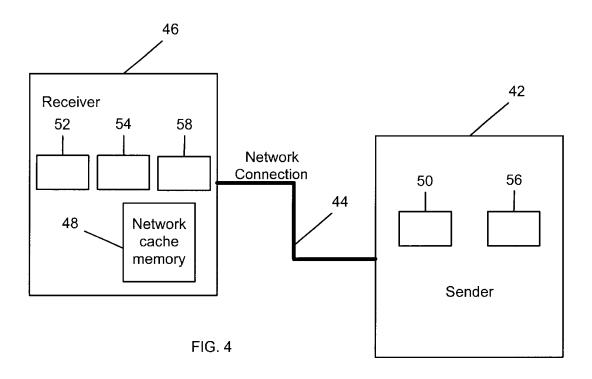


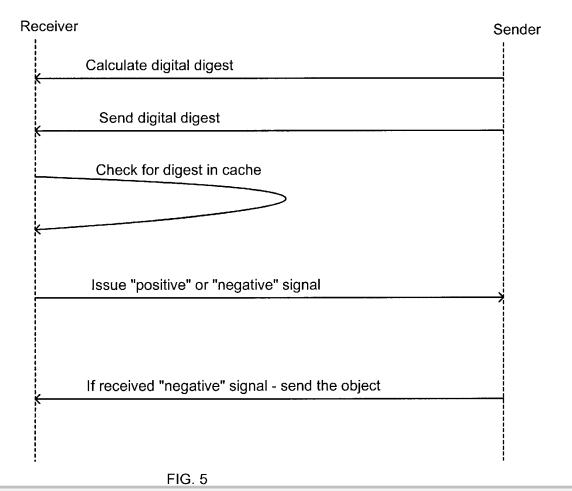


SUBROUTINE 'Fragment'



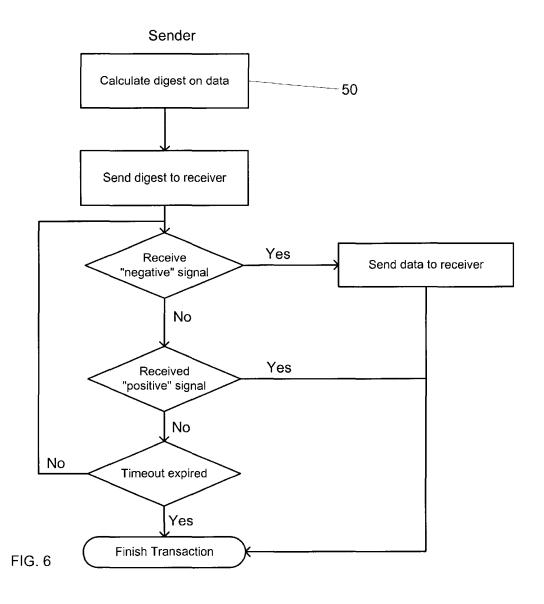


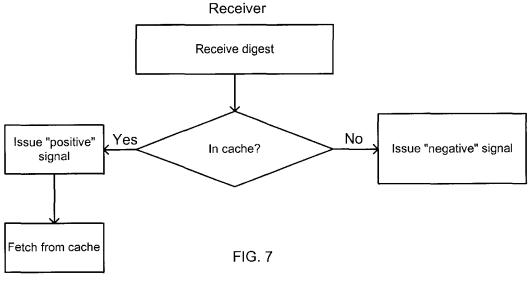






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