# UNIFIED PATENTS EXHIBIT 1003





US006233589B

## (12) United States Patent

Balcha et al.

(10) Patent No.: US 6,233,589 B1

(45) **Date of Patent:** May 15, 2001

# (54) METHOD AND SYSTEM FOR REFLECTING DIFFERENCES BETWEEN TWO FILES

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

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

(21) Appl. No.: 09/127,523

(22) Filed: Jul. 31, 1998

### (56) References Cited

### U.S. PATENT DOCUMENTS

5,479,654 12/	1995 Squibb		707/201
5,574,906 11/	1996 Morris		. 707/1
5,634,052 5/	1997 Morris		707/1
5,778,395 * 7/	1998 Whiting	g et al	707/204
5,919,247 * 7/	1999 Van Ho	ff et al	709/217
6,052,531 * 4/	2000 Waldin,	Jr. et al	707/10

### OTHER PUBLICATIONS

ICS 161: Design and Analysis of Algorithms Lecture Notes for Feb. 19, 1996, "Longest Common Sequences", World Wide Web publication.

"Longest Common Subsequence Problem", Pruhs, World Wide Web publication, Oct. 6, 1997.

"Longest Common Subsequence", World Wide Web publication, 2 pp., author and publication date unknown.

"Executive Summary", World Wide Web publication, 5 pp., author and publication date unknown.

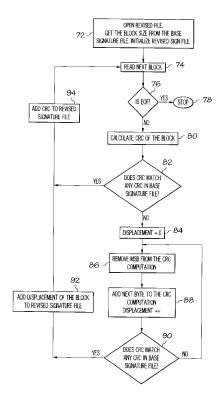
\* cited by examiner

Primary Examiner—Hosain T. Alam Assistant Examiner—Sanjiv Shah (74) Attorney, Agent, or Firm—Dinsmore & Shohl LLP

(57) ABSTRACT

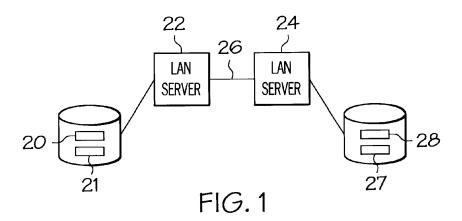
A method and system for reflecting differences between two files. The method includes generating a base signature file having a plurality of base bit patterns, each base bit pattern being generated as a function of a portion of data in a first file. A second file containing a plurality of revised bit patterns is generated from a second file. Each revised bit pattern is compared to and matches at least one of the base bit patterns. A delta file reflecting the differences between a first file and the second file based on the base signature file, the delta signature file, and the second file is created.

### 20 Claims, 4 Drawing Sheets





May 15, 2001



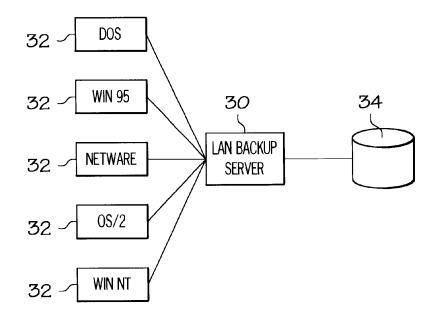
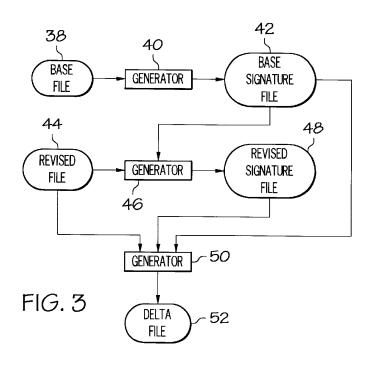
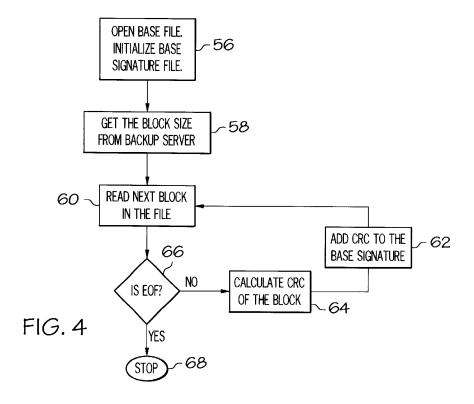
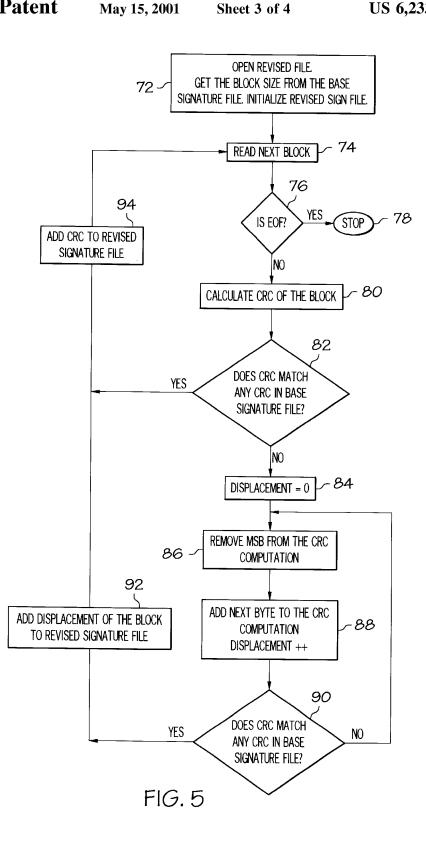


FIG. 2







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