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Balcha et al.

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(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.

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(51) **Int. Cl.**⁷ **G06F 17/30**

(52) **U.S. Cl.** **707/203**

(58) **Field of Search** 707/203-10, 201, 707/204, 217, 2, 6, 8, 101, 202, 205

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Primary Examiner—Hosain T. Alam

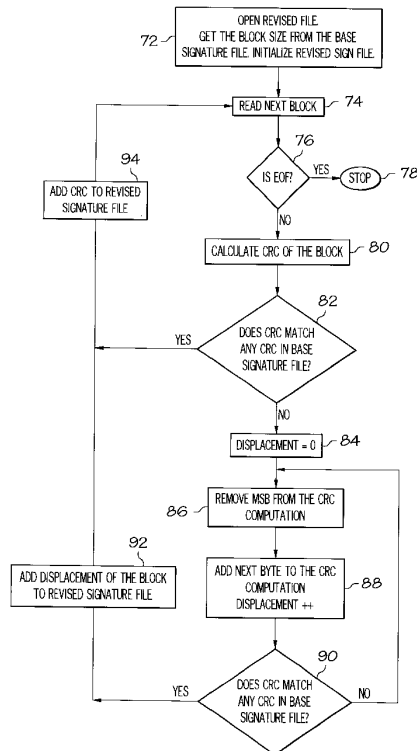
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(57) **ABSTRACT**

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



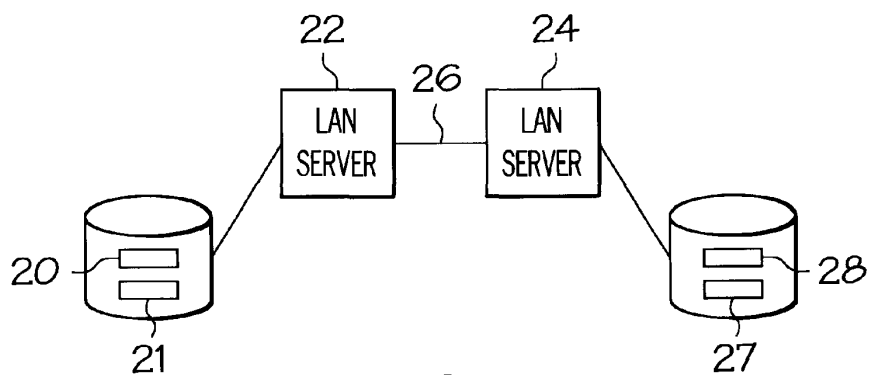


FIG. 1

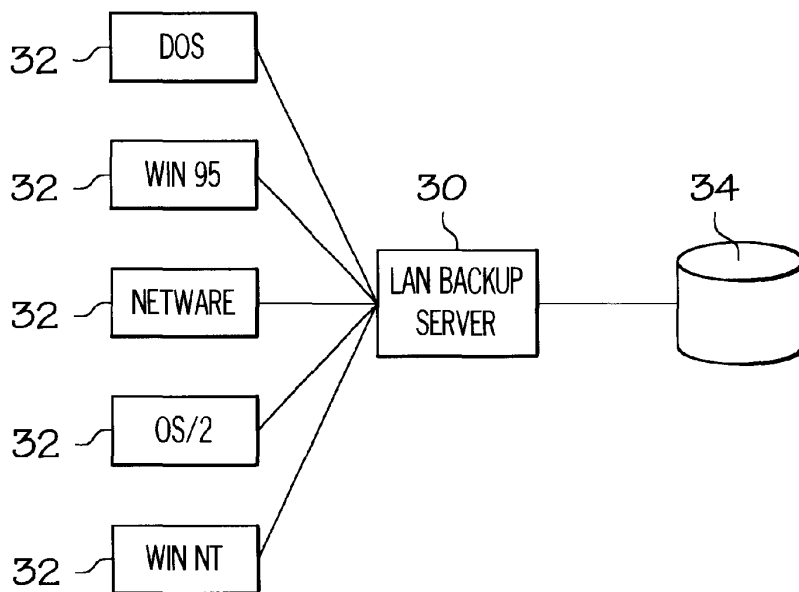


FIG. 2

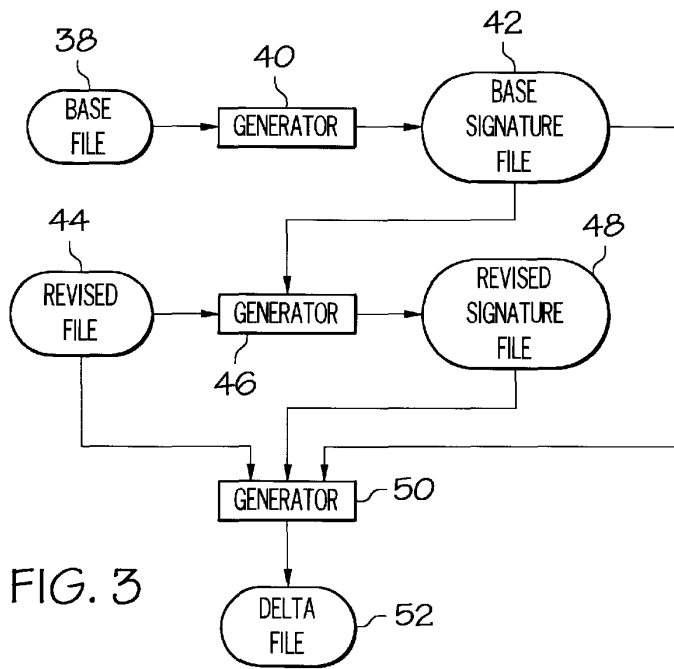


FIG. 3

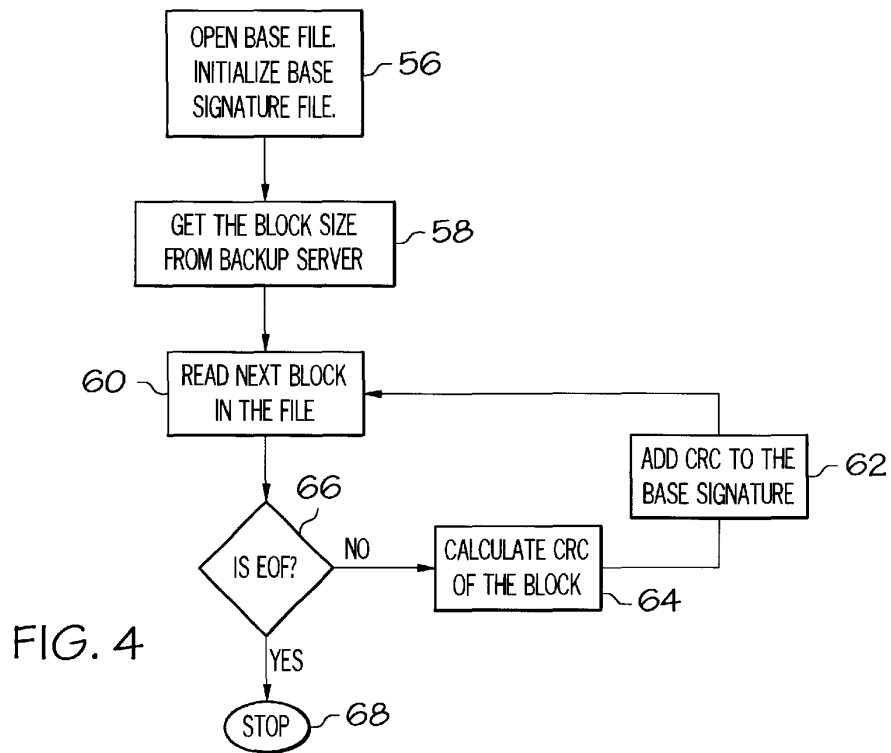


FIG. 4

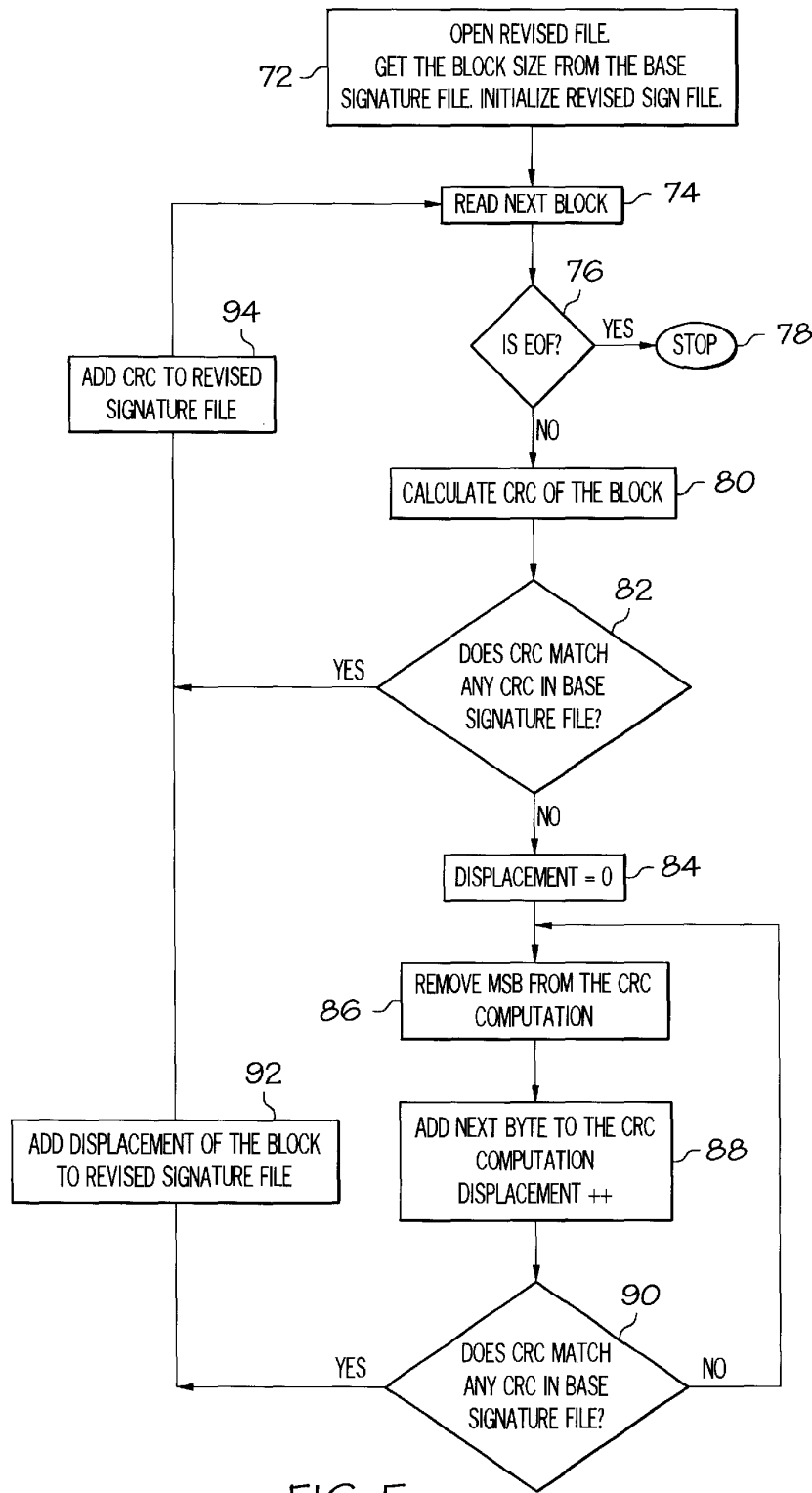
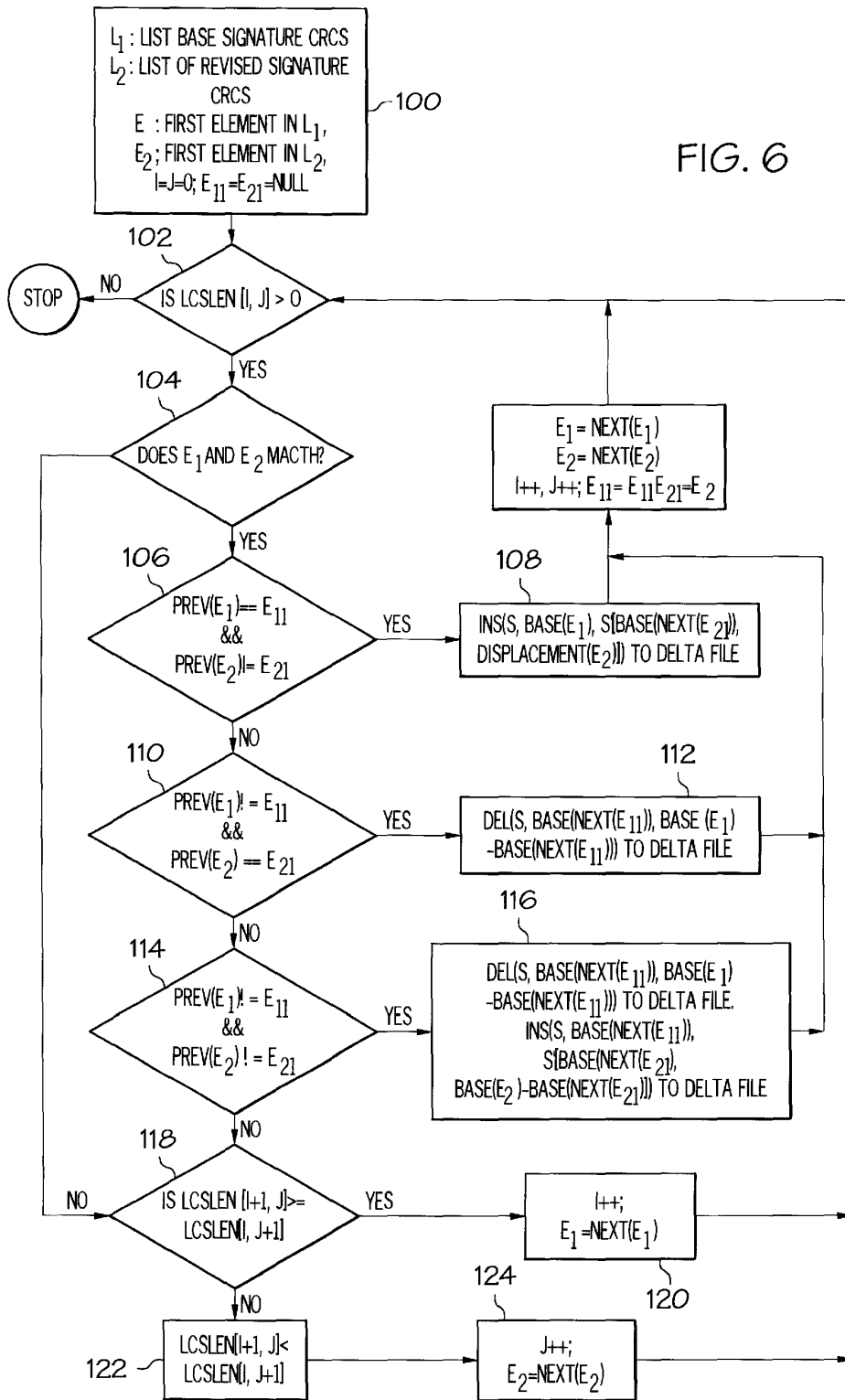


FIG. 5

FIG. 6



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