



[54] FILE COMPRESSION PROCESSOR MONITORING CURRENT AVAILABLE CAPACITY AND THRESHOLD VALUE

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Related U.S. Application Data

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[30] Foreign Application Priority Data

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[51] Int. Cl.<sup>6</sup> ..... G06F 17/30

[52] U.S. Cl. .... 395/620; 364/715.02

[58] Field of Search ..... 395/620, 444, 395/445, 463, 460, 612, 616; 364/715.02

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[57] ABSTRACT

A file compression processor of the present invention comprises a file status monitor which compares the current available capacity on the file unit to record files and the threshold value predetermined as the upper limit of the available capacity and a file compression portion which compresses a file on said file unit when the file status monitor judges that the current available capacity is smaller than the threshold. It further comprises a file attribute controller which stores the control information for the files recorded on the file unit including the last access date, the number of accesses, whether the file is already compressed or not and a search portion which searches for files not yet compressed with low access frequency based on the control information so as to select files to be compressed for compression by said compression portion and a compression method selector which determines the data type and the access frequency of the file for compression by said compression portion based on the control information, selects the file compression method suitable for said data type and the access frequency and instructs said compression portion to execute processing by the selected compression method.

15 Claims, 9 Drawing Sheets

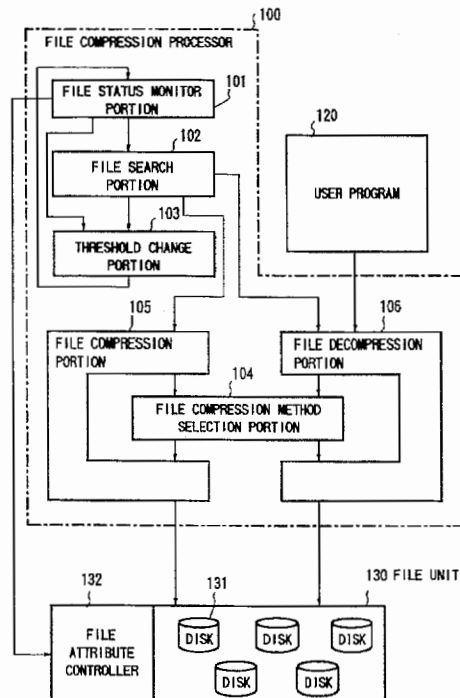


FIG. 1

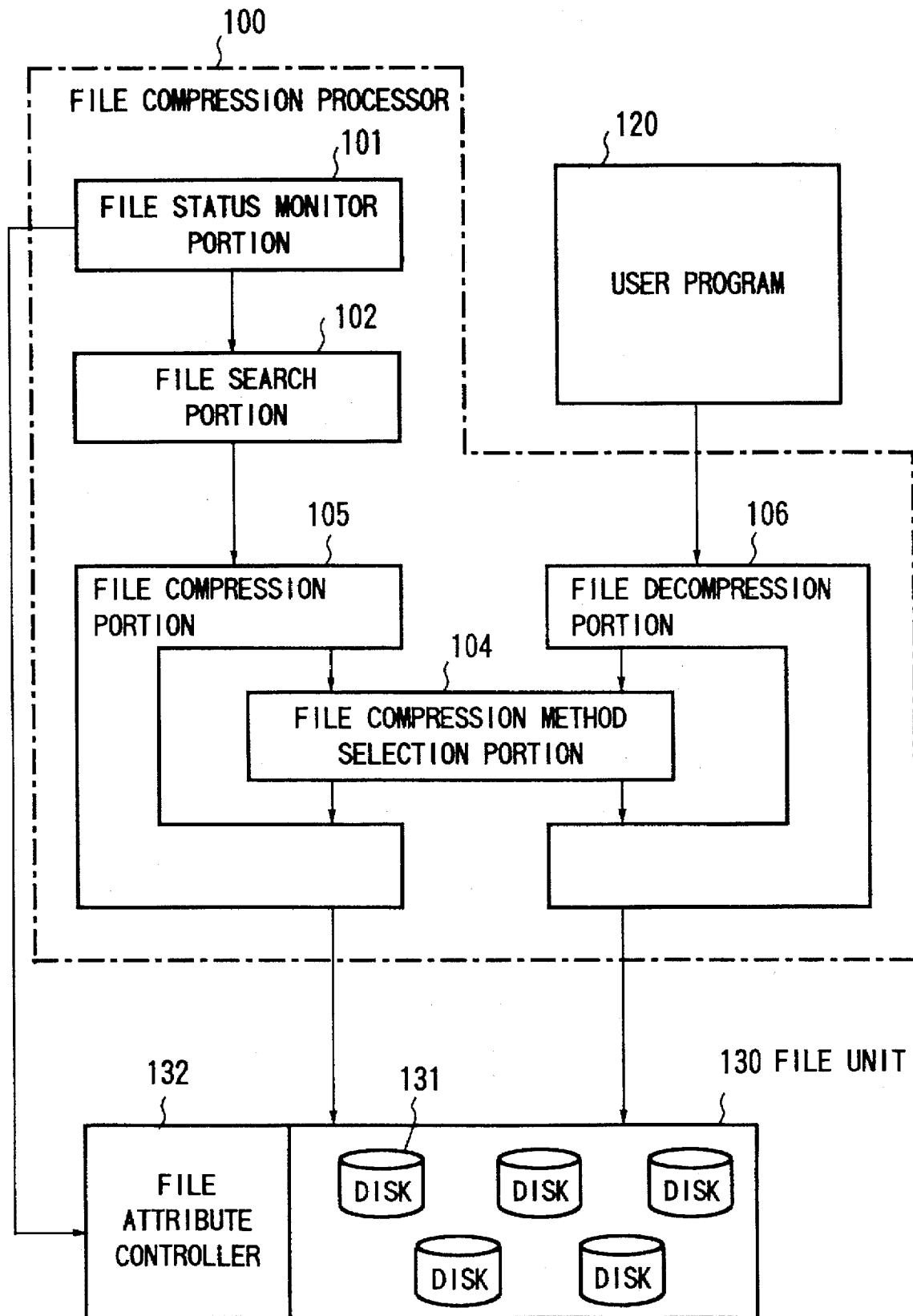
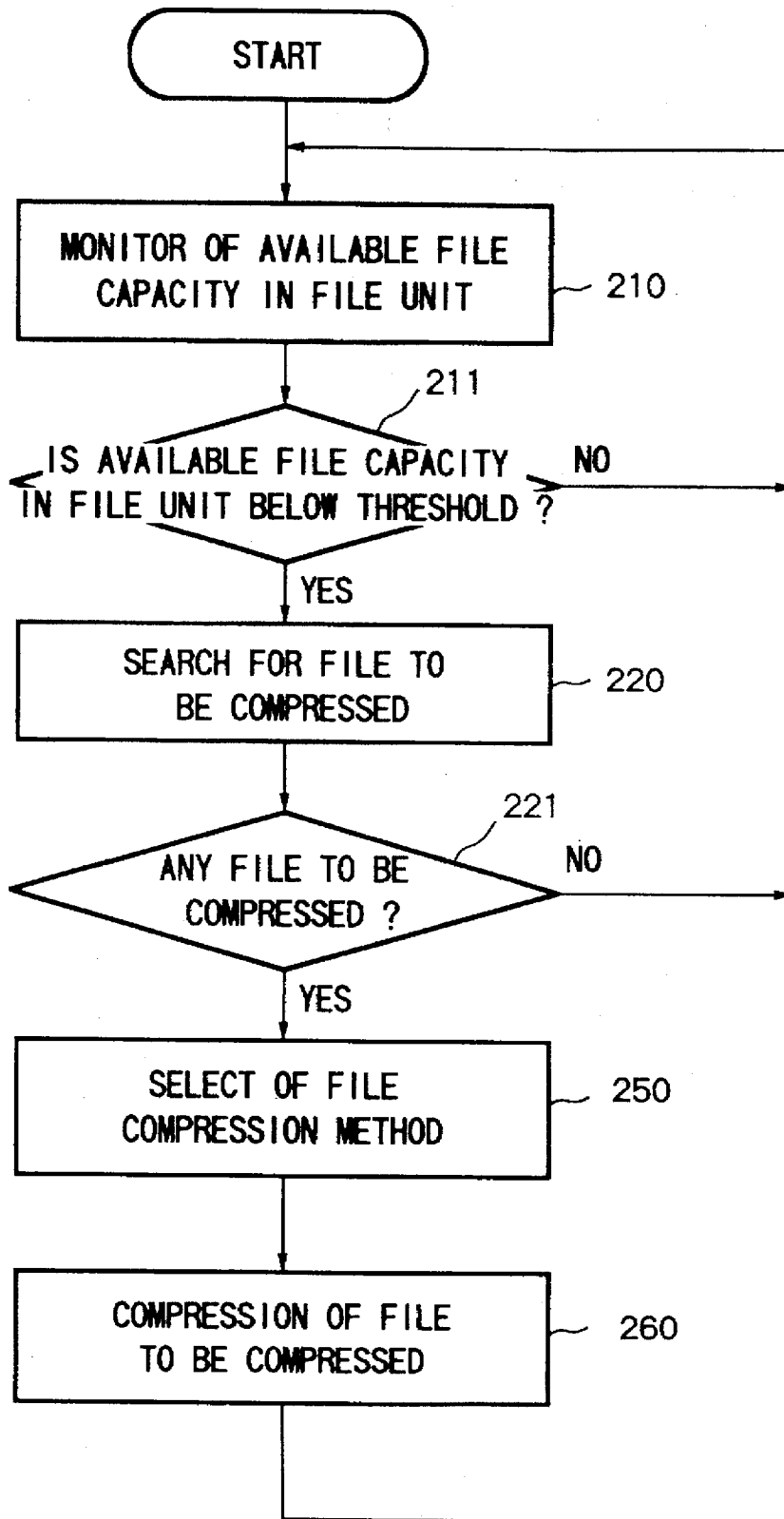


FIG.2



# FIG.3

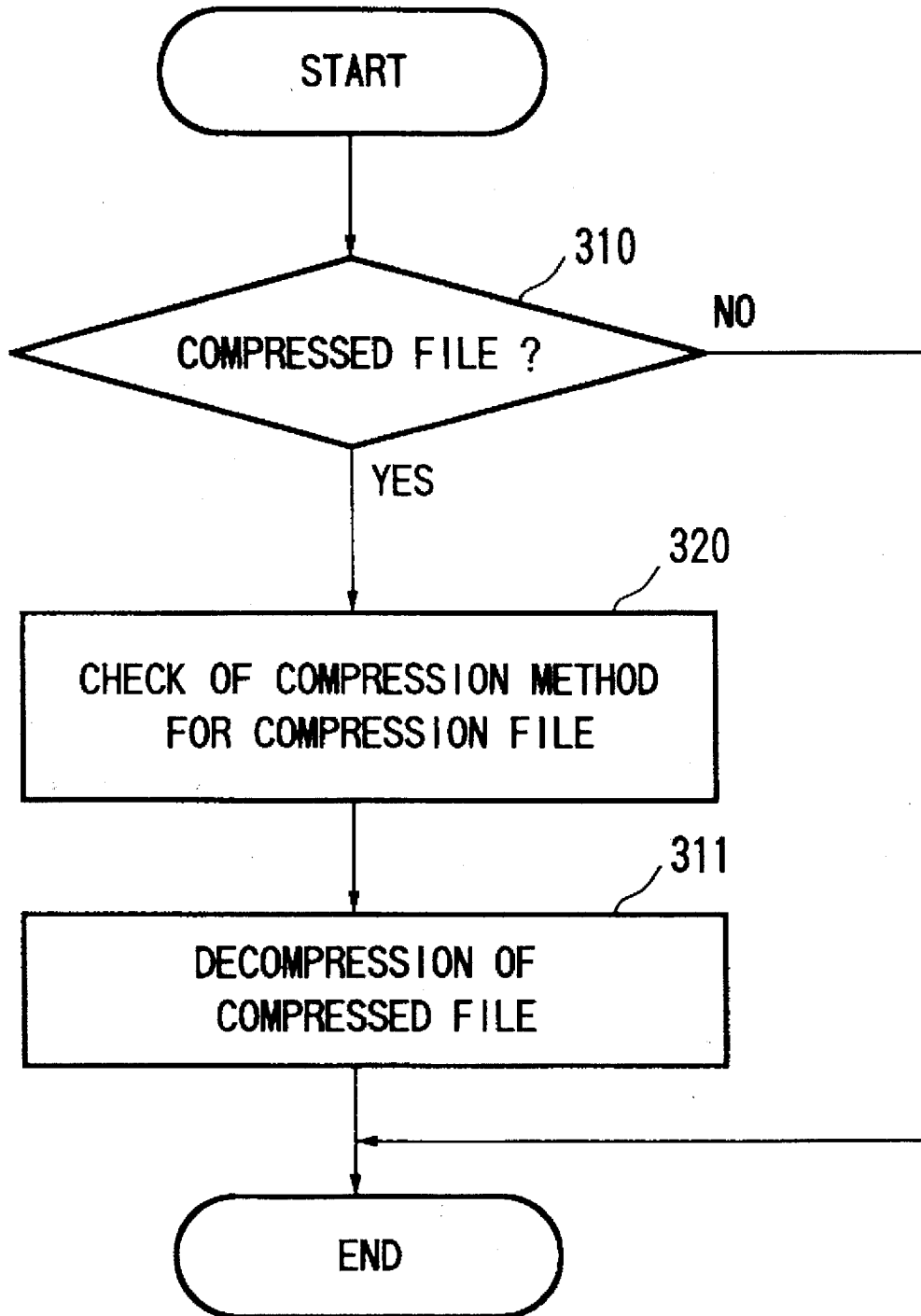
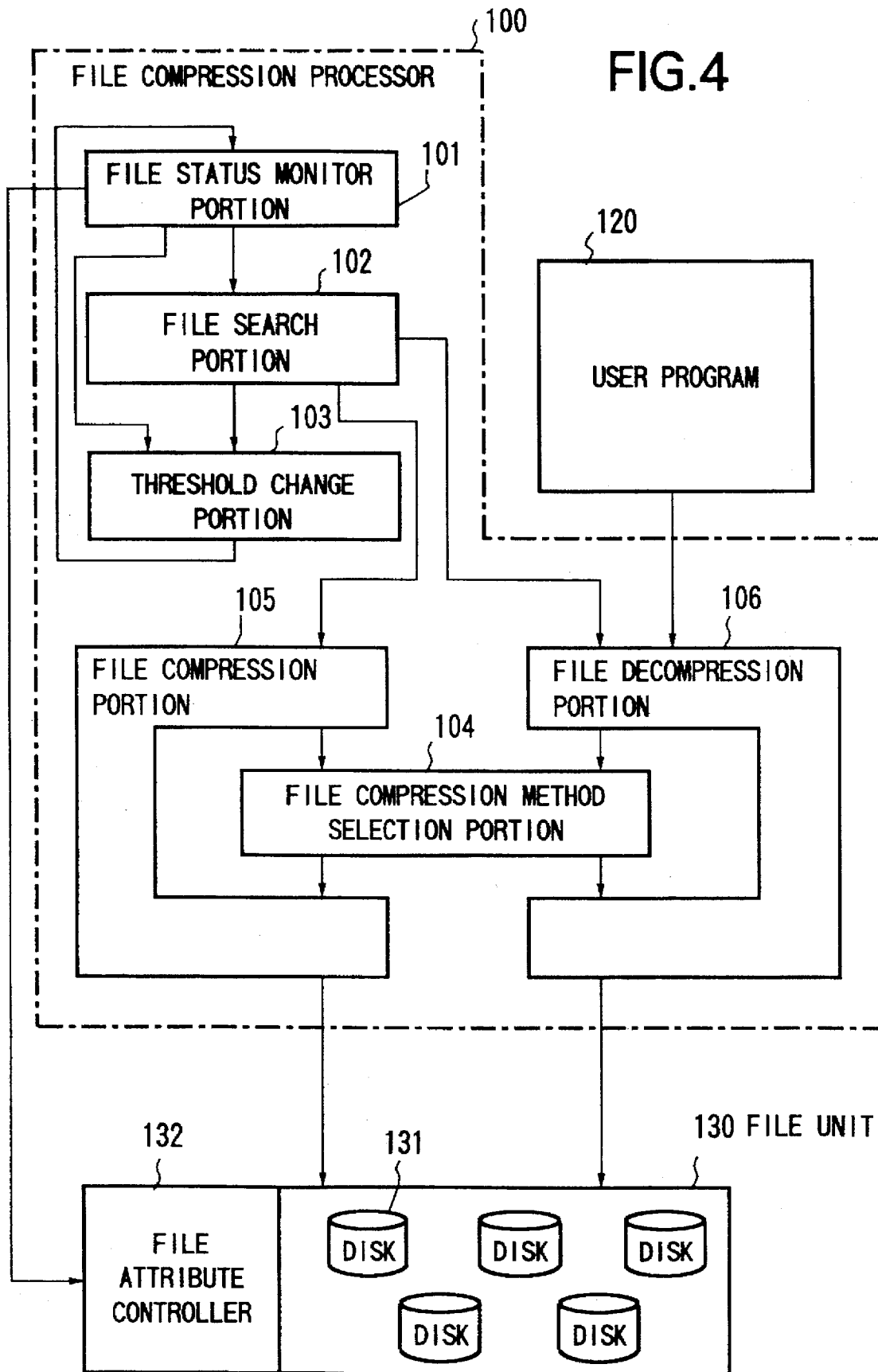


FIG. 4



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