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United States Patent [19]**Wang et al.**[11] **Patent Number:** **5,461,711**[45] **Date of Patent:** **Oct. 24, 1995**

[54] **METHOD AND SYSTEM FOR SPATIAL ACCESSING OF TIME-BASED INFORMATION**

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[51] Int. Cl.⁶ **G06F 3/02**

[52] U.S. Cl. **395/161; 395/155; 395/154; 395/159; 345/156; 345/173**

[58] **Field of Search** 395/155, 154, 395/161, 152, 119, 160, 159; 345/173, 156, 179, 180

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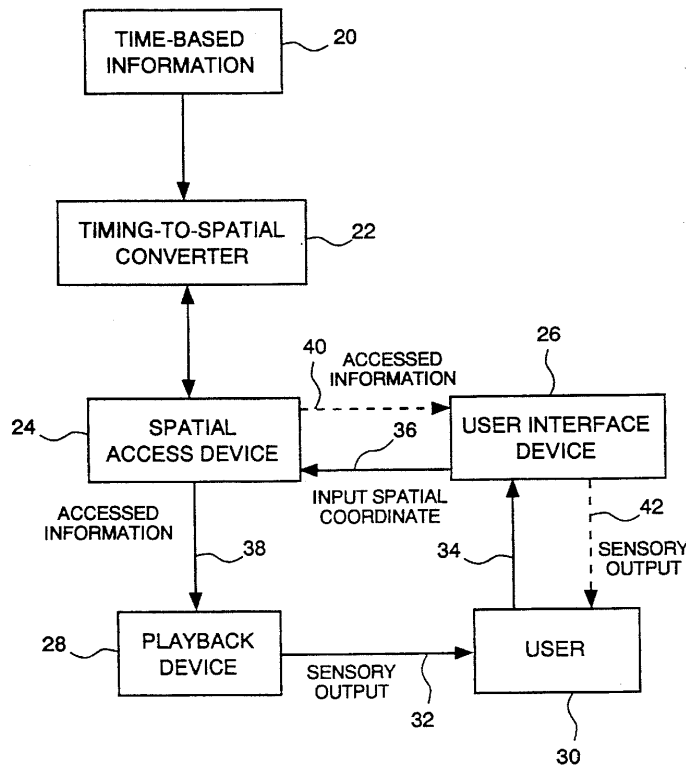
Primary Examiner—Raymond J. Bayerl

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[57] **ABSTRACT**

A method and system for accessing time-based information based on spatial coordinate information obtained from a user. Time-based information is mapped into a spatial representation by mapping and transforming the timing of time-based information segments to spatial coordinates. Such spatial coordinates could be either one, two, or three dimensional. With this mapping, segments of time-based information can be associated with different parts of a spatial object, a spatial representation, or different position of a spatial movement. These segments can be accessed by the user by physical inputs in such a fashion that the kinesthetic or touching memory of the user can be relied upon to re-access information and to create a sense of the whole in the information.

44 Claims, 7 Drawing Sheets



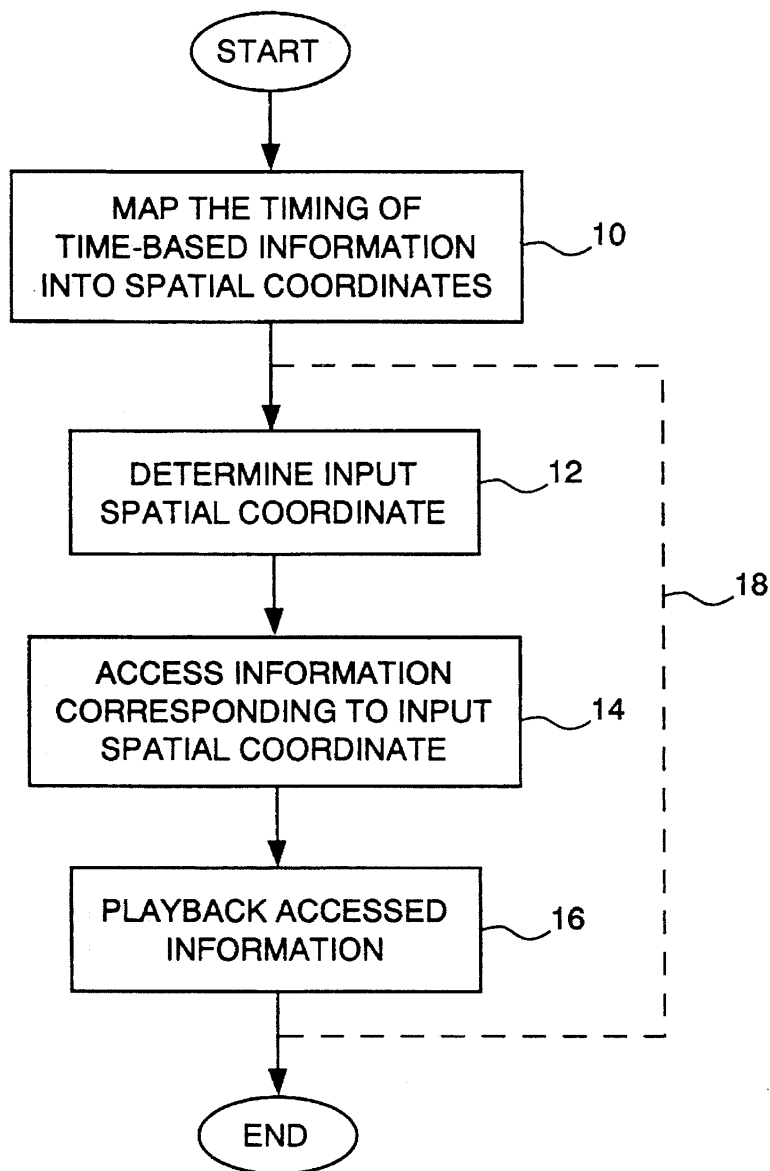


FIG. 1

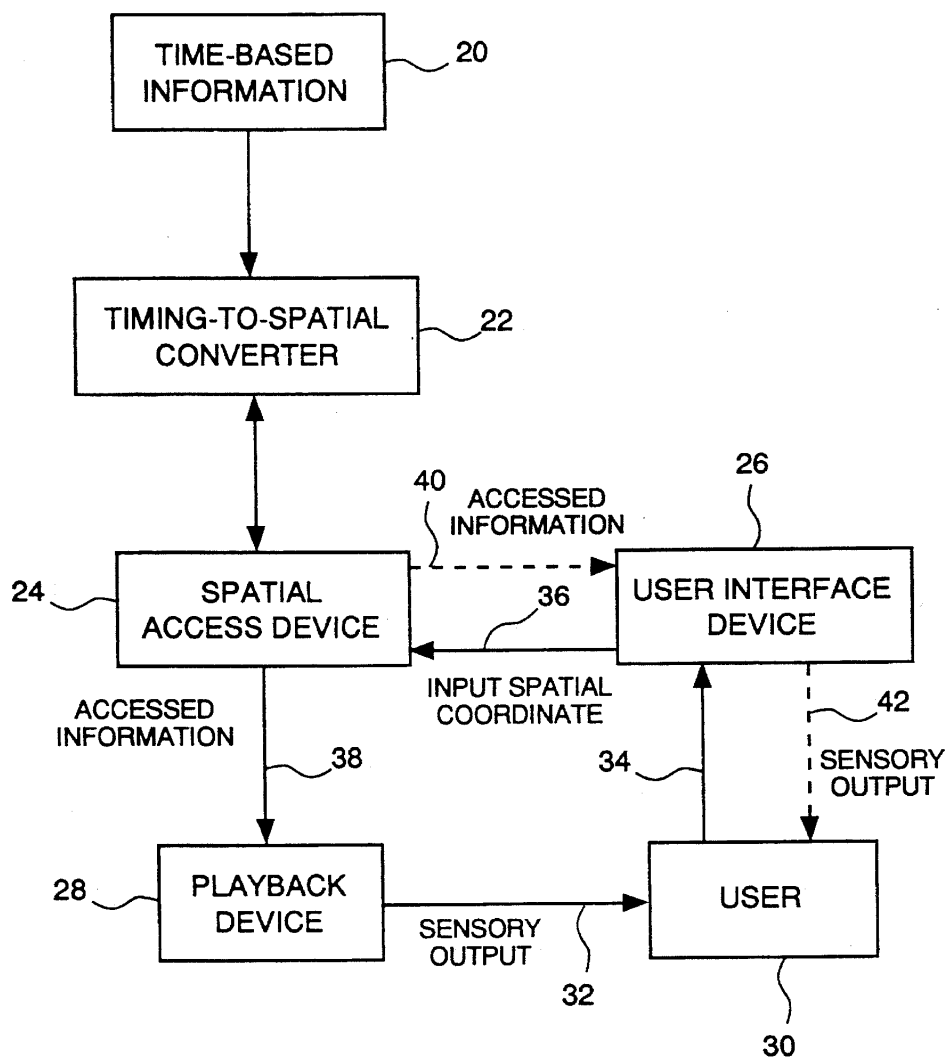
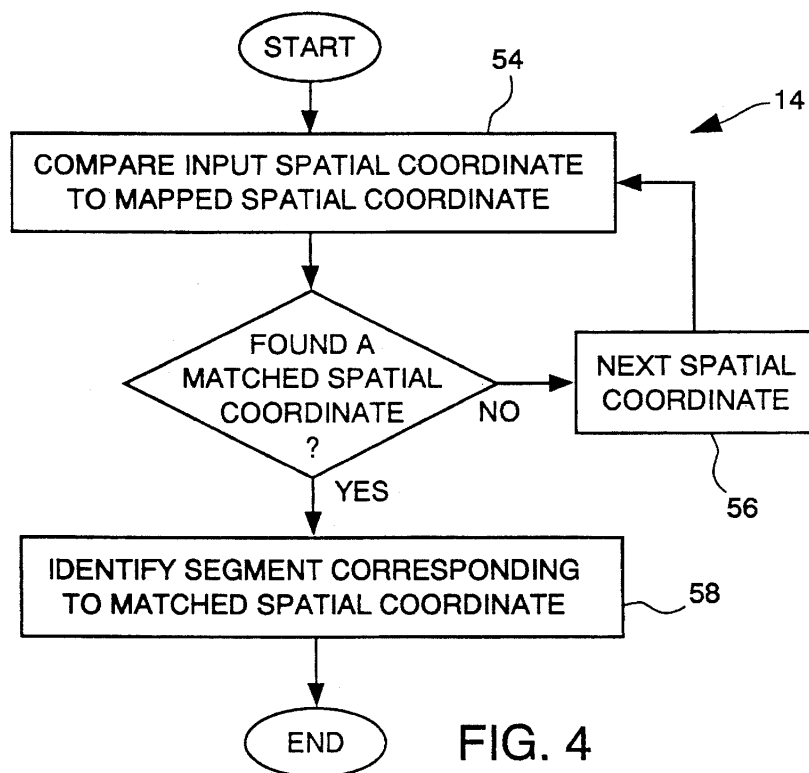
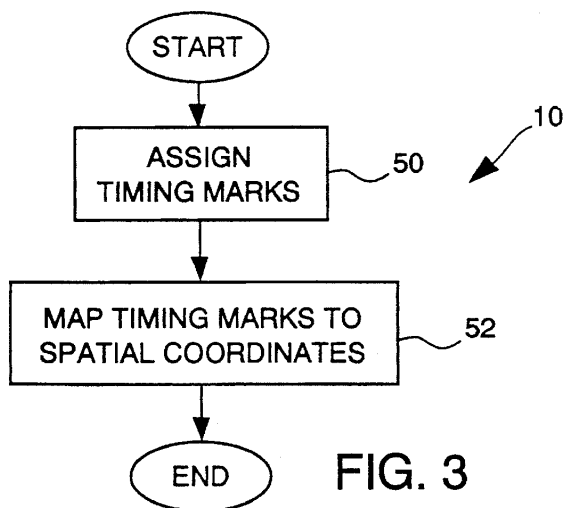


FIG. 2



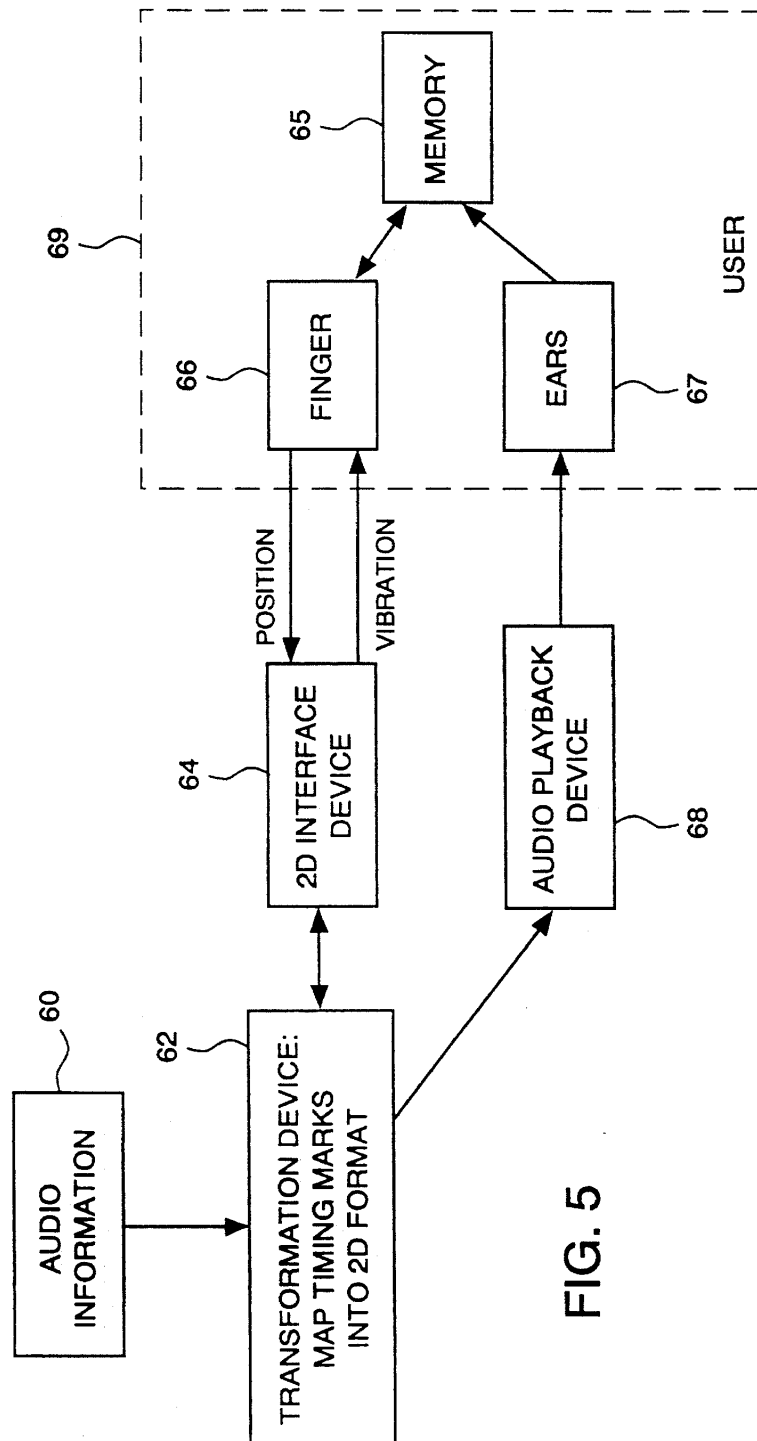


FIG. 5

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