

## United States Patent [19]

### Steidlmayer et al.

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### [54] FINANCIAL DATA EVENT FLOW ANALYSIS SYSTEM WITH STUDY CONDUCTOR DISPLAY

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364/974; 364/DIG. 4; 364/DIG. 2; 395/141

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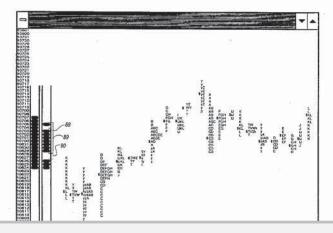
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#### [57] ABSTRACT

A system for controlling and managing a continuous sequence of data by conducting studies on user-defined segments of the data, and displaying the study results in a concentrated summary form in vertical pipes on a single display screen. The system includes a data stream source, an interface between the data stream source and a personal computer or other stand-alone device, and means for constructing a database for the continuously developing data and displaying the data in a horizontal display, software and hardware to enable a user to conduct studies on the data so configured. The user designates a specific segment of displayed data, a specific study to be performed on that segment, and the study parameters, a color for each study result, and the position and color of a vertical summary pipe on the display screen. The study is performed and displayed in a concentrated summary form in the vertical pipe. A user may conduct multiple studies and display the study results in the same, or a different, vertical pipe on the same screen. Through the use of the vertical pipes for the display of study results, and the locating of space or color segment differences within a result or between such results, the system can be used flexibly to analyze, model, and summarize large quantities of data in a concentrated form on a single screen, thereby providing the user with important information about the studied data, giving the user modelling power and definitional control over the data, and enabling the user to draw analytical conclusions and make transaction decisions.

### 23 Claims, 44 Drawing Sheets





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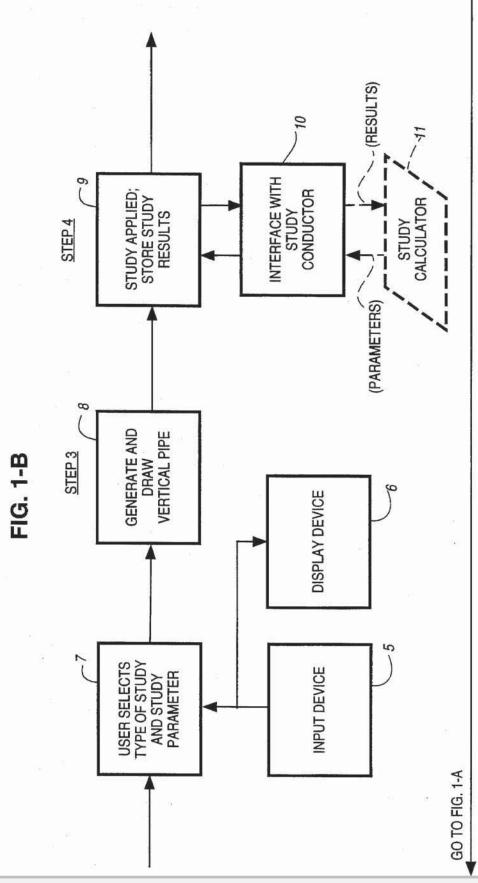
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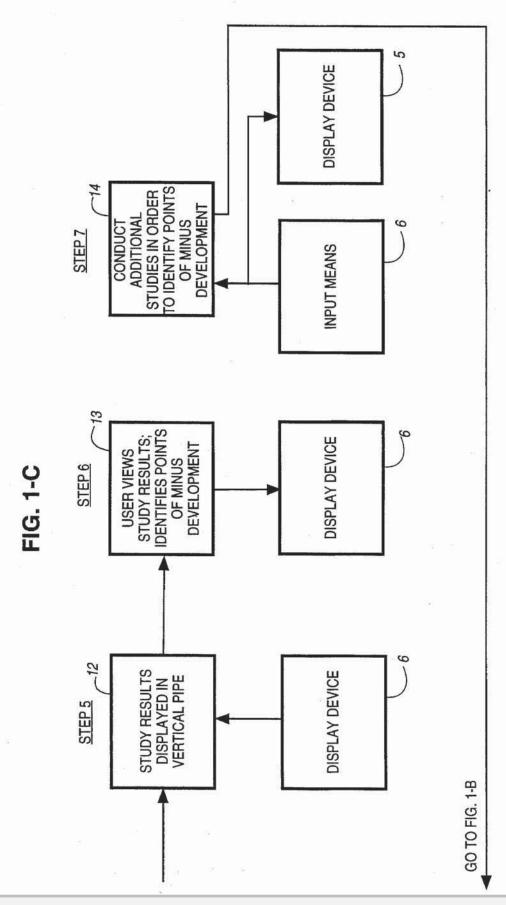
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