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(54) **DYNAMIC VISUALIZATION OF DATA STREAMS**

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(52) **U.S. Cl.** **345/440**

(58) **Field of Classification Search** **345/440**
See application file for complete search history.

(57) **ABSTRACT**

One embodiment of the present invention includes a data communication subsystem to receive a data stream, and a data processing subsystem responsive to the data communication subsystem to generate a visualization output based on a group of data vectors corresponding to a first portion of the data stream. The processing subsystem is further responsive to a change in rate of receipt of the data to modify the visualization output with one or more other data vectors corresponding to a second portion of the data stream as a function of eigenspace defined with the group of data vectors. The system further includes a display device responsive to the visualization output to provide a corresponding visualization.

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24 Claims, 11 Drawing Sheets

