GRAPHICAL USER INTERFACE FOR ANALYSIS AND COMPARISON OF LOCATION-SPECIFIC MULTIPARAMETER DATA SETS

ABSTRACT OF THE DISCLOSURE

A graphical user interface on a computer provides for the analysis of location specific data and the presentation of analysis results for visual comparison by a user. Results of the analysis are visually presented as icons subdivided into regions and arranged in such a way that the user is able to associate each icon with a data location. A visual presentation of results in the icons and regions allows a user to visually compare the analysis results in two or more data sets according to location. The graphical user interface further provides for the definition and adjustment of an analysis through the interaction of a user with a graphical representation of the analysis. In some cases, the visual presentation of results tracks the analysis adjustments so the user can visually observe the effects that the adjustments have on the results. A method of interacting with the interface to define an analysis and represent results and a method of presenting two or more data sets using the interface are described. The interface can be used to analyze and visually compare the results of location specific data from a number of sources and is illustrated in a flow cytometry application.

FIGURE 17