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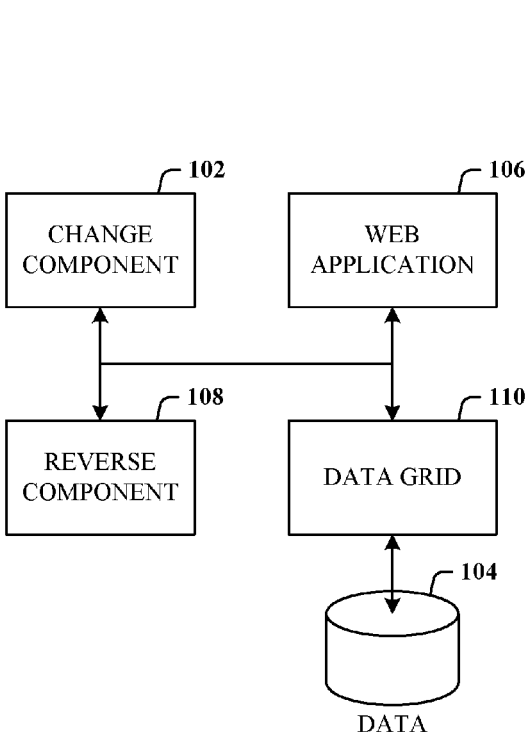
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(54) Title: ASYNCHRONOUS MULTI-LEVEL UNDO SUPPORT IN JAVASCRIPT GRID



(57) Abstract: Architecture for multi-level undo on a client in grid-based applications. The architecture is a control driven cascading changes system where change tracking works seamlessly in asynchronous (and synchronous) scenarios. A client application is associated with a grid object and, instantiates and configures the grid object. The application can initiate a change to data in the grid and/or the user can edit the data in the grid directly. A result of the change is a notification to the application, the notification including an order key. The application consumes the notification and can then append new changes based on synchronous or asynchronous computations by calling an update function using the order key. The application uses the key to attach further updates which are properly collected together for undo/redo.

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