

ABSTRACT

SEARCH AND RETRIEVAL DATA PROCESSING SYSTEM FOR COMPUTING NEAR REAL-TIME DATA AGGREGATIONS

A method performed by a data processing system for processing data, the method including: intermittently receiving data from one or more data streams, the received data including data records; detecting two or more particular data records in the received data records, where the detected two or more particular data records each include a particular identifier; for that particular identifier, creating a collection of data records; for at least one particular data record included in the collection of data records, searching data records for a historical aggregation of data; and computing combined data; modifying a data record by inserting the combined data into a field of the data record and by inserting data from at least one of the data records in the collection into another field of the data record; based on applying the rules, writing to memory one or more instructions for initiation of one or more actions.

(FIG. 15)