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- (71) **Applicant:** **VISA INTERNATIONAL SERVICE ASSOCIATION** [US/US]; P.O. BOX 8999, San Francisco, California 94128 (US).
- (72) **Inventors:** **MISHRA, Shashwat**; 3/2 New Teachers Colony, VSSD College, NawabGanj, Kanpur Nagar 208002 (IN). **HISARIYA, Shreyash Rammohan**; A-106, Amrutha Sparkling Nest, Mahadevpura, Bengaluru 560048 (IN). **MRIGANK, Mrigank**; C-106, Sneha Grandeur,

Behind Supergas Bunk, Hoodi, Bengaluru 560048 (IN). **THATIKONDA, Nanada Kishore**; 61, B1 Block, Asses-tz East Point, Doddakanehalli Road, Bellandur, Bengaluru 560103 (IN).

(74) **Agent:** **DORAN-CIVAN, Neslihan I.** et al.; Kilpatrick, Townsend & Stockton LLP, 1100 Peachtree Street Suite 2800, Atlanta, Georgia 30309 (US).

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(54) **Title:** SYSTEM AND METHOD OF IDENTIFYING EVENT AS ROOT CAUSE OF DATA QUALITY ANOMALY

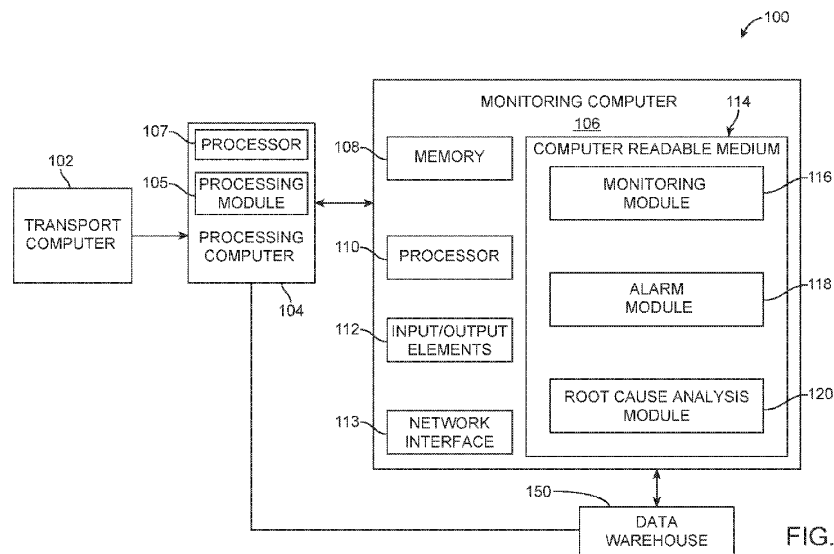


FIG. 1

(57) **Abstract:** Embodiments detect and predict data disparity issues in data warehouses. Embodiments derive meaningful insights about the events occurred prior to the data disparity and correlate the events to understand the root cause of the data disparity (or the root cause of an alert generated as a result of detecting the data disparity). Embodiments either take or recommend actionable measures to prevent further occurrences of the event identified as the root cause. According to various embodiments, when the monitored data is transaction data (e.g. transaction volume, transaction amount, transaction processing speed, etc.), internal events (e.g. data job failures, job delays, job server maintenances) or external events (e.g. seasonal holiday events, natural calamities) may cause a dip or spike in the transaction data resulting in a data quality anomaly (i.e. a data disparity).

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