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(71) Applicant: VISA INTERNATIONAL SERVICE
ASSOCIATION [US/US]; P.O. Box 8999, San Francisco,
California 94128 (US).

(72) Inventor: XU, Minghua; 10810 Low Bridge Lane, Austin,
Texas 78750 (US).

(74) Agent: RICKETT, Cynthia H. et al.; Kilpatrick Townsend
& Stockton LLP, Mailstop: IP Docketing - 22, 1100
Peachtree Street, Suite 2800, Atlanta, Georgia 30309 (US).

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(54) Title: FAILURE PREDICTION IN DISTRIBUTED SYSTEMS

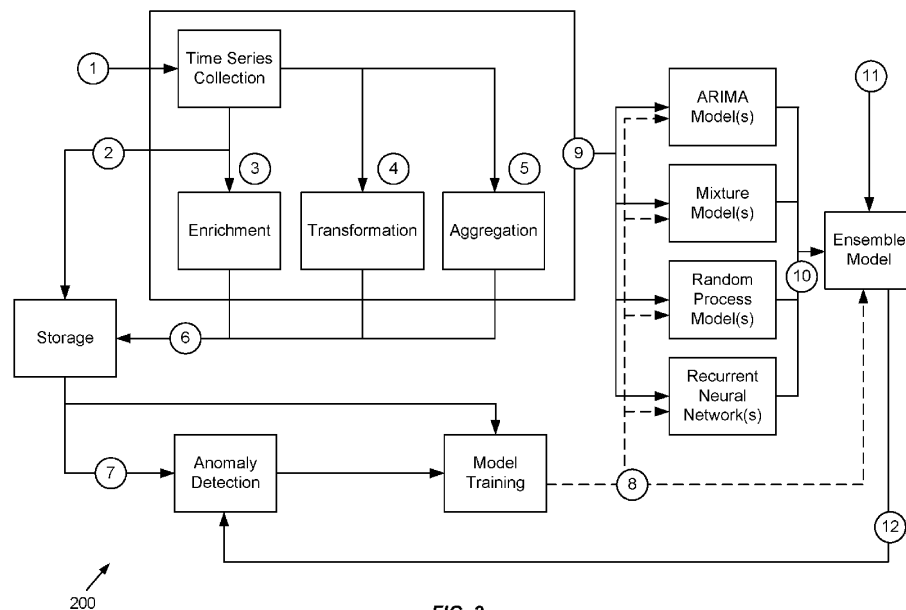


FIG. 2

(57) Abstract: Embodiments of the invention are directed to systems, method, and devices for detecting failures in distributed systems. A failure detection platform may identify anomalies in time series data, the time series data corresponding to historical network messages. The anomalies can be labeled and used to train a first predictive model. At least one other model may be trained using the time series data, the anomaly labels and a supervised machine-learning algorithm. A third model can be trained to identify a system failure based at least in part on the outputs provided by the first and the second model. The third model, once trained, can be utilized to predict a future system failure.

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