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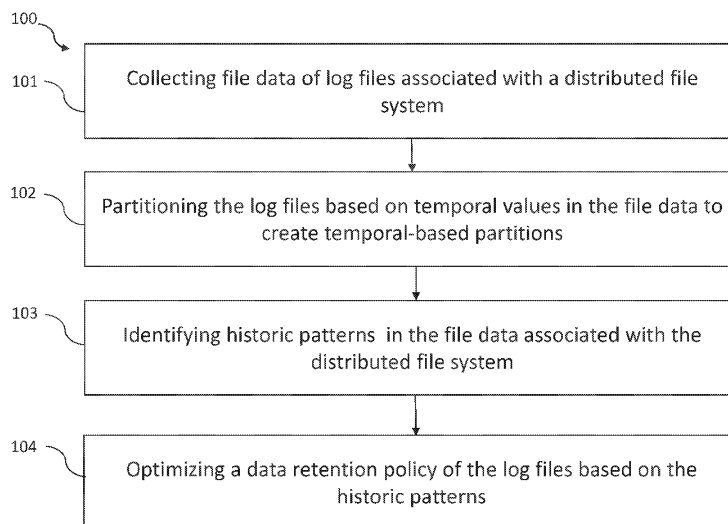


FIG. 2

(57) Abstract: Disclosed are systems and methods to collect file data of log files associated with a distributed file system, the file data comprising size values and temporal values associated with the log files; partition the log files based on the temporal values to create temporal-based partitions; identify historic patterns in the file data; and optimize a data retention policy of the distributed file system based on the historic patterns.