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(54) **Title:** AUTOMATED ALERT DEDUPLICATION OR SUPPRESSION IN DATA PROCESSING SYSTEMS BASED ON RE-
CURRING DATA IDENTIFIERS

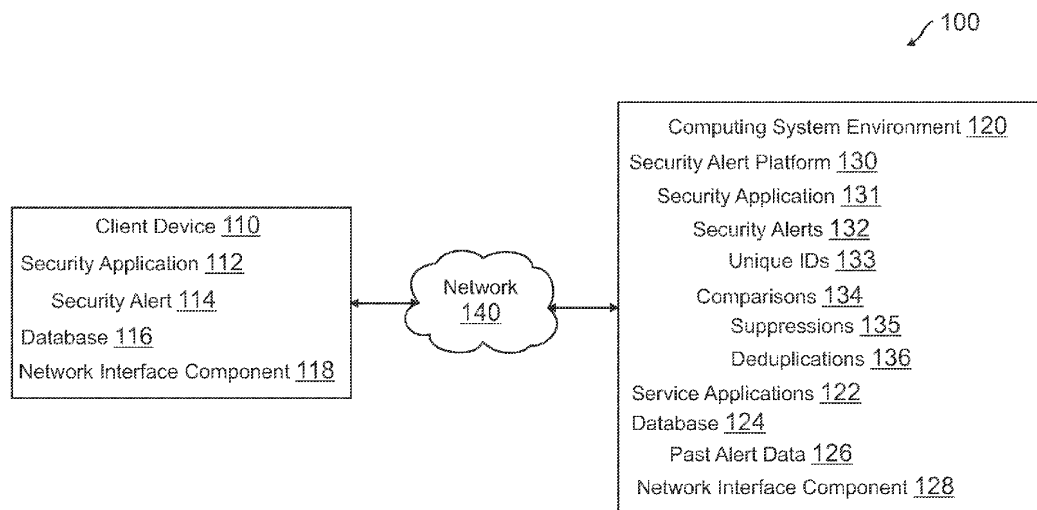


FIG. 1

(57) **Abstract:** There are provided systems and methods for automated alert deduplication or suppression in data processing systems based on recurring data identifiers. An entity, such as company or business, may utilize computing services provided by a service provider. When providing these services, one or more computing services, processors, or the like of the service provider's computing architecture may be used. Use of computing services may generate security alerts when computing events are flagged as risky, fraudulent, malicious, computing attacks, or the like. To automate security alert management, the service provider may utilize an alert management system that may parse and extract data from incoming security alerts and calculate identifiers from such data, such as by transforming or converting using identifier functions. Recurring identifiers may be automatically organized for suppression or deduplication based on past occurrence of such identifiers with other security alerts.

[Continued on next page]

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