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(54) Title: MFEXED DATA FINGERPRINTING WITH PRINCIPAL COMPONENTS ANALYSIS

(57) Abstract: Principal components analysis is applied to data sets to fingerprint the dataset or to compare the dataset to a "wild file" that may have been constructed from data found in the dataset. Principal components analysis allows for the reduction of data used for comparison down to a parsimonious compressed signature of a dataset. Datasets with different patterns among the variables will have different patterns of principal components. The principal components of variables (or a relevant subset thereof) in a wild file may be computed and statistically compared to the principal components of identical variables in a data provider's reference file to provide a score. This constitutes a unique and compressed signature of a file that can be used for identification and comparison with similarly defined patterns from other files.

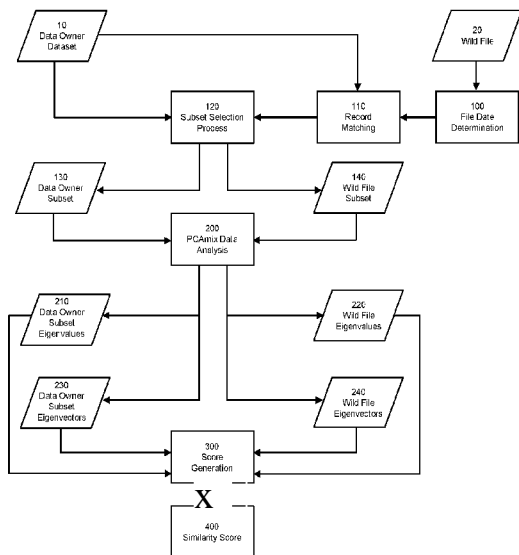


Fig. 6

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TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
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