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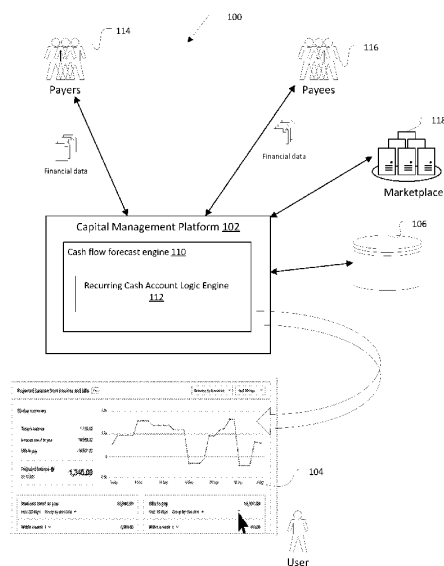


Fig. 1

(57) Abstract: Described embodiments generally relate to a computer-implemented method. The method comprises determining a dataset of transactions occurring during a first time period; determining a subset of related transactions from the dataset of transactions, where each transaction in the subset of related transactions shares at least one common attribute; selecting a first transaction interval pattern; selecting a first clustering criteria; based on the first transaction interval pattern and the first clustering criteria, identifying a cluster of transactions from the subset of related transactions; performing a viability check on the cluster; and in response to the cluster passing the viability check, generating a model of periodic transactions, the model including an interval related to the first transaction interval pattern; and a common attribute based on the at least one common attribute.

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