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(54) Title: DEDUPLICATION OF ACCOUNTS USING ACCOUNT DATA COLLISION DETECTED BY MACHINE LEARNING
MODELS

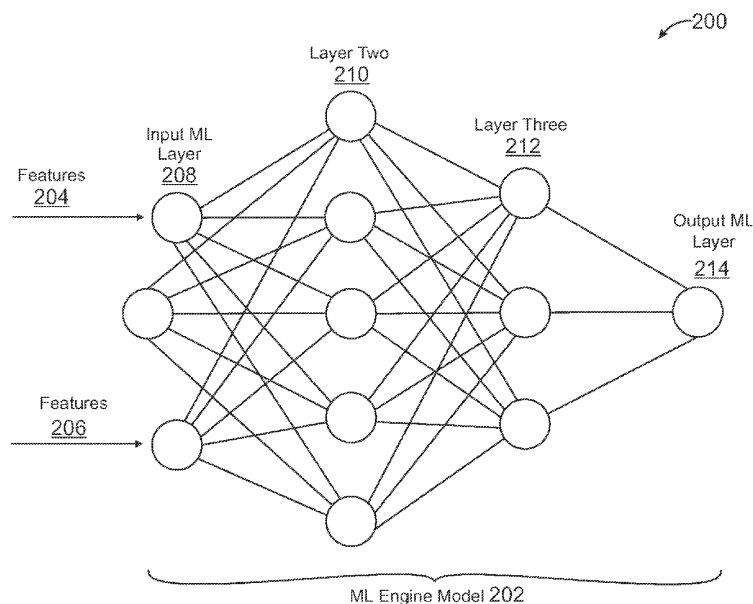


FIG. 2

(57) Abstract: There are provided systems and methods for deduplication of accounts using account data collision detected by machine learning models. An entity, such as a company or other entity, may purchase items utilizing a payment instrument or card provided to the company by a credit provider system or entity. In order to provide proper underwriting for credit extensions, such as balances and limits of extendable credit, the credit provider system may utilize an intelligent machine learning system for data deduplication to prevent account data and balances from being overcounted. The machine learning system may include models to analyze account metadata to determine if key collisions exist between account metadata. Further, the machine learning system may utilize transactions to pair accounts based on key collisions between transactions. If duplicate accounts or balances are detected, the service provider may deduplicate the accounts to prevent overextending services to entities.

[Continued on next page]

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