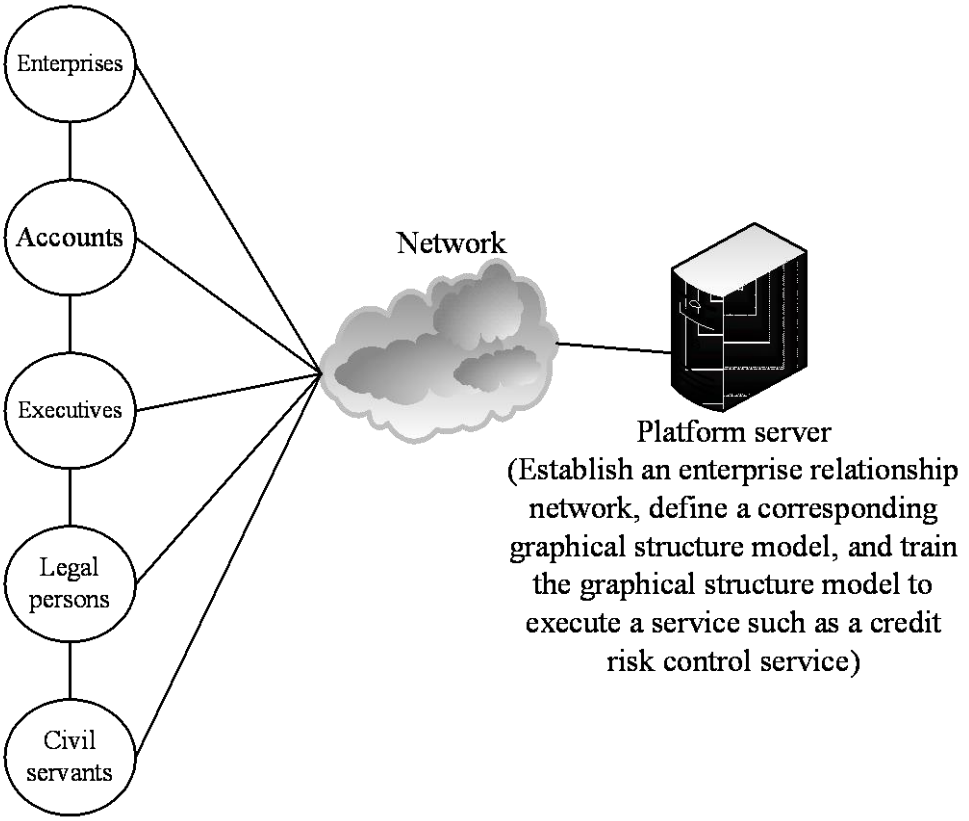

Enterprises
Accounts
Executives
Legal persons
Civil servants
Network
Platform server
(Establish an enterprise relationship network, define a corresponding graphical structure model, and train the graphical structure model to execute a service such as a credit risk control service)

FIG. 1

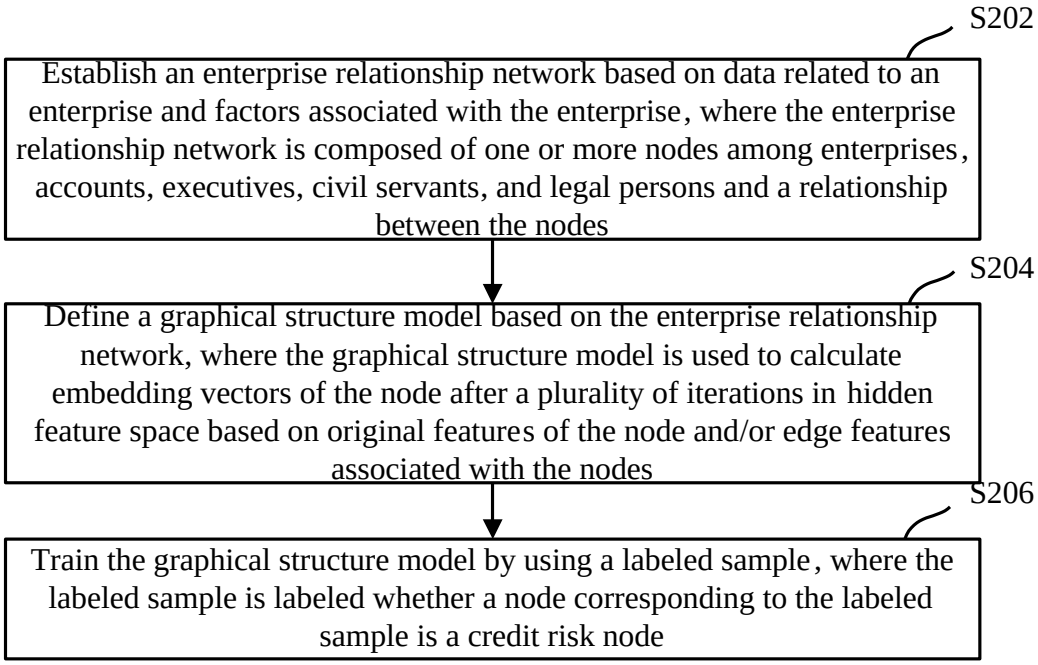

S202
Establish an enterprise relationship network based on data related to an enterprise and factors associated with the enterprise, where the enterprise relationship network is composed of one or more nodes among enterprises, accounts, executives, civil servants, and legal persons and a relationship between the nodes
S204
Define a graphical structure model based on the enterprise relationship network, where the graphical structure model is used to calculate embedding vectors of the node after a plurality of iterations in hidden feature space based on original features of the node and/or edge features associated with the nodes
S206
Train the graphical structure model by using a labeled sample, where the labeled sample is labeled whether a node corresponding to the labeled sample is a credit risk node

FIG. 2

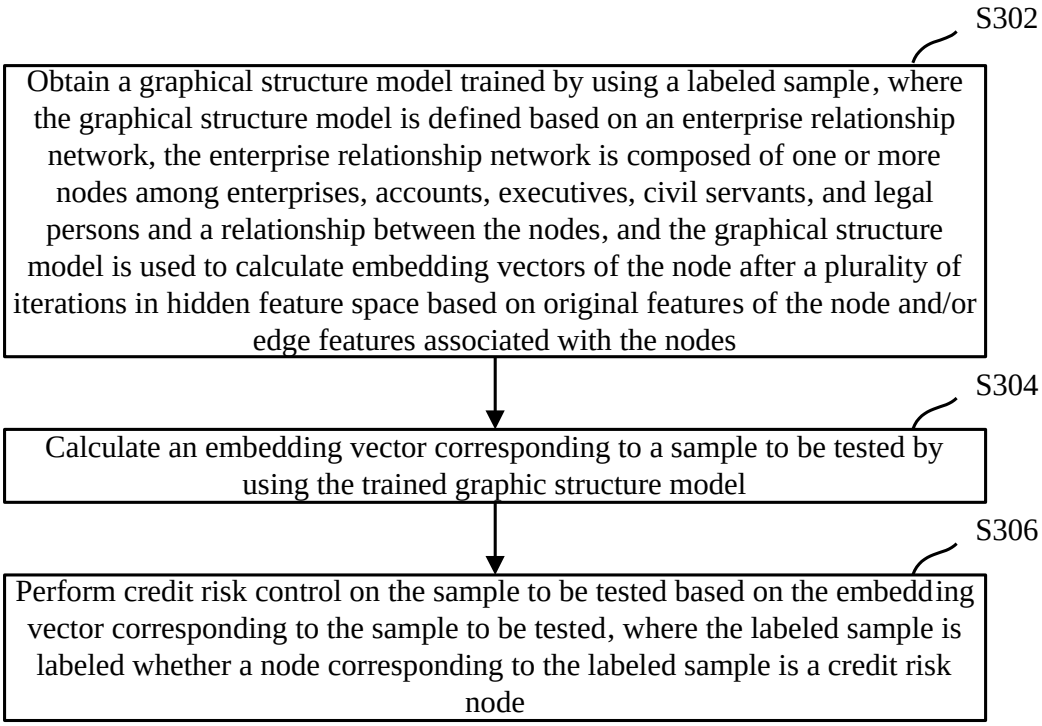

S302
Obtain a graphical structure model trained by using a labeled sample, where the graphical structure model is defined based on an enterprise relationship network, the enterprise relationship network is composed of one or more nodes among enterprises, accounts, executives, civil servants, and legal persons and a relationship between the nodes, and the graphical structure model is used to calculate embedding vectors of the node after a plurality of iterations in hidden feature space based on original features of the node and/or edge features associated with the nodes
S304
Calculate an embedding vector corresponding to a sample to be tested by using the trained graphic structure model
S306
Perform credit risk control on the sample to be tested based on the embedding vector corresponding to the sample to be tested, where the labeled sample is labeled whether a node corresponding to the labeled sample is a credit risk node

FIG. 3

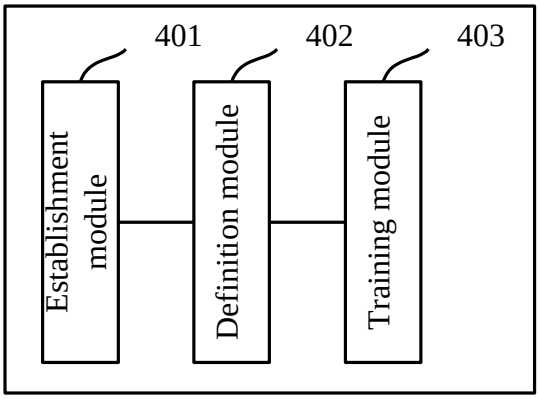

401
402
403
Establishment module
Definition module
Training module

FIG. 4

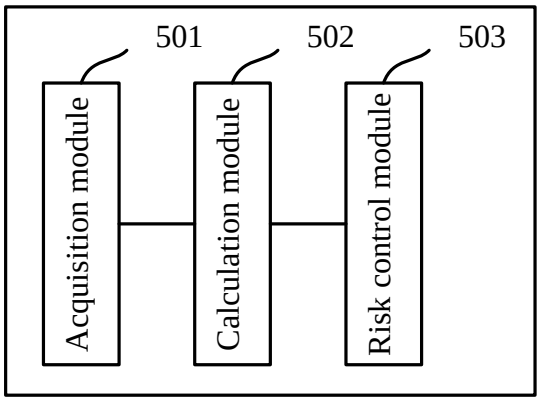

501
502
503
Acquisition module
Calculation module
Risk control module

FIG. 5