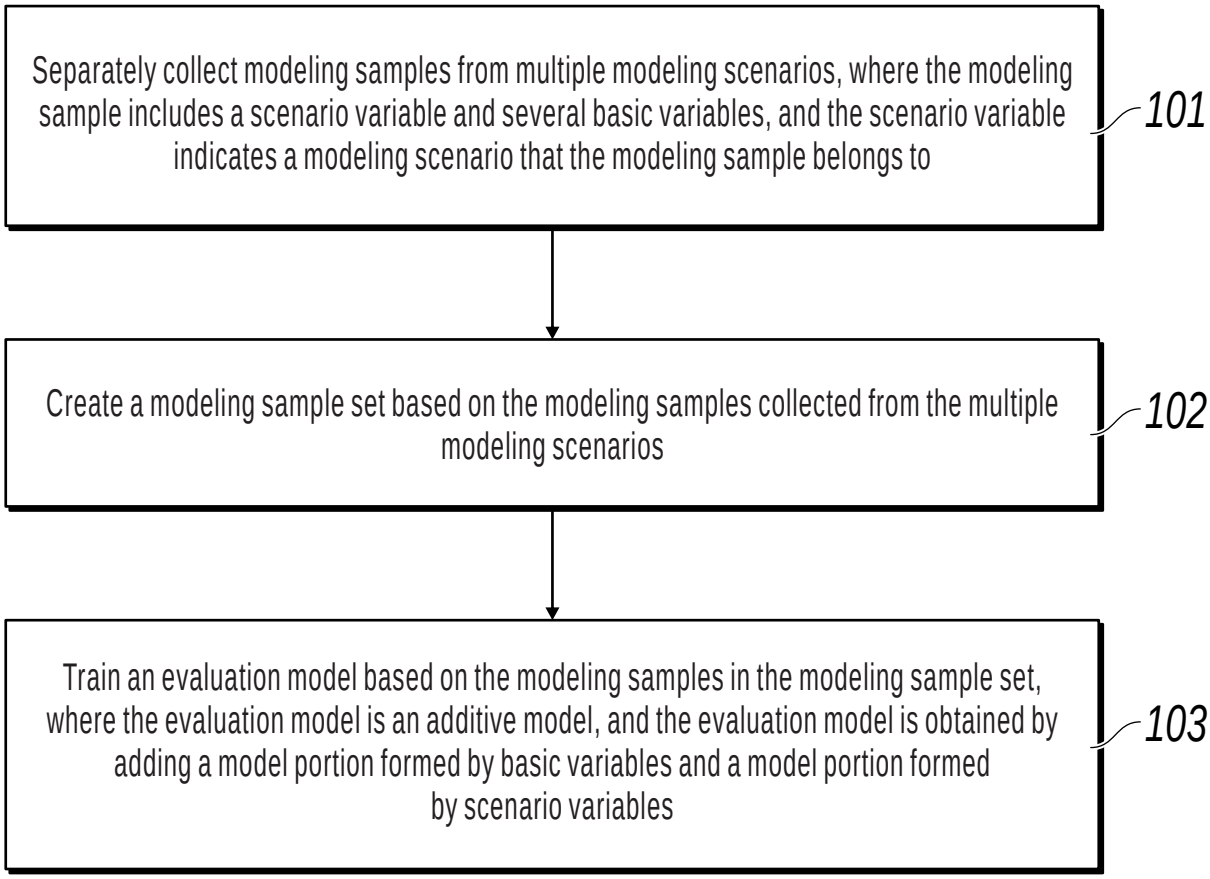

Separately collect modeling samples from multiple modeling scenarios, where the modeling sample includes a scenario variable and several basic variables, and the scenario variable indicates a modeling scenario that the modeling sample belongs to
101
Create a modeling sample set based on the modeling samples collected from the multiple modeling scenarios
102
Train an evaluation model based on the modeling samples in the modeling sample set, where the evaluation model is an additive model, and the evaluation model is obtained by adding a model portion formed by basic variables and a model portion formed by scenario variables
103

FIG. 1

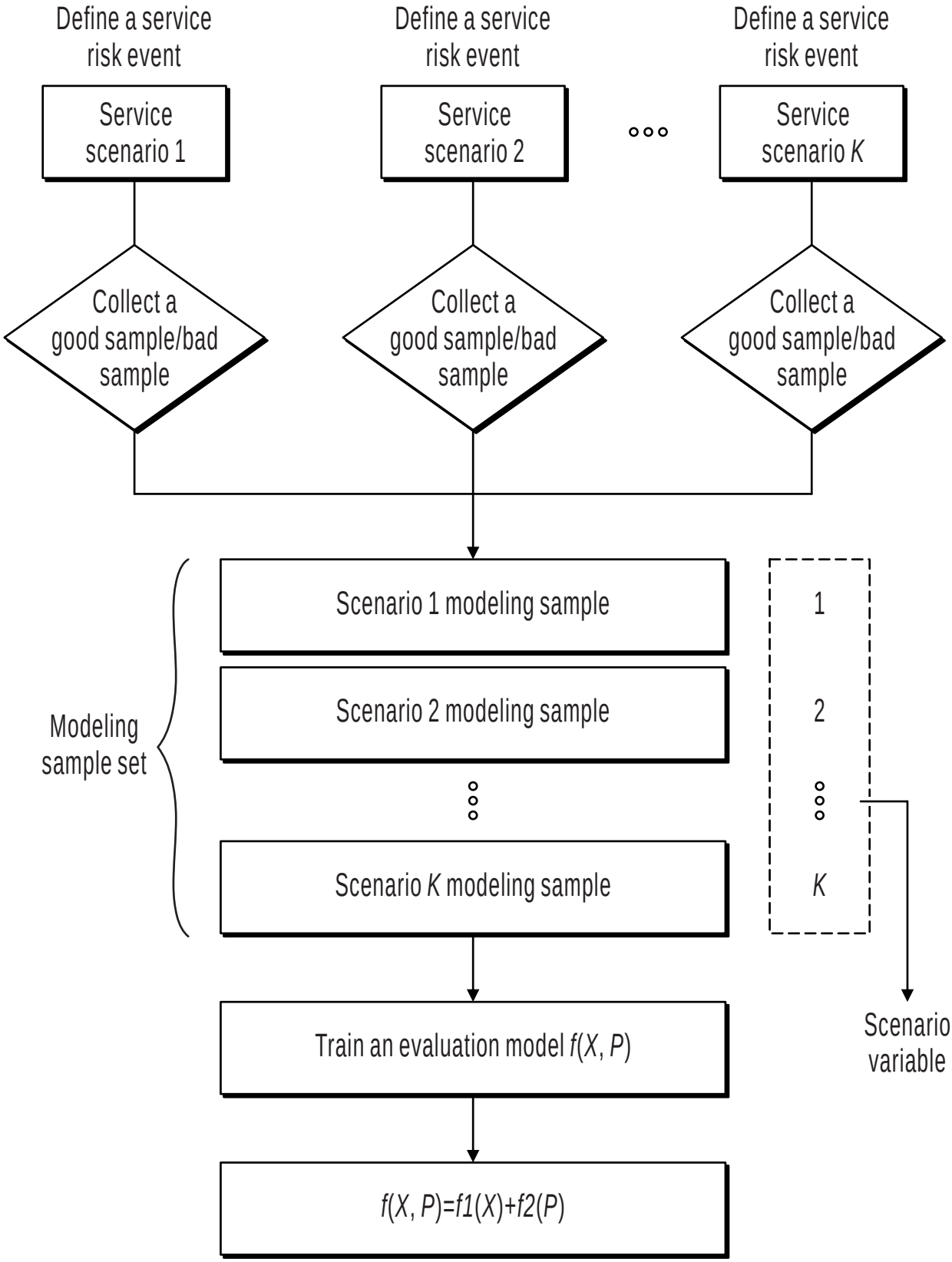

Define a service risk event
Service scenario 1
Collect a good sample/bad sample
Define a service risk event
Service scenario 2
Collect a good sample/bad sample
Define a service risk event
Service scenario K
Collect a good sample/bad sample
Modeling sample set
Scenario 1 modeling sample
Scenario 2 modeling sample
Scenario K modeling sample
1
2
K
Scenario variable
Train an evaluation model f(X, P)
f(X, P)=f1(X)+f2(P)

FIG. 2

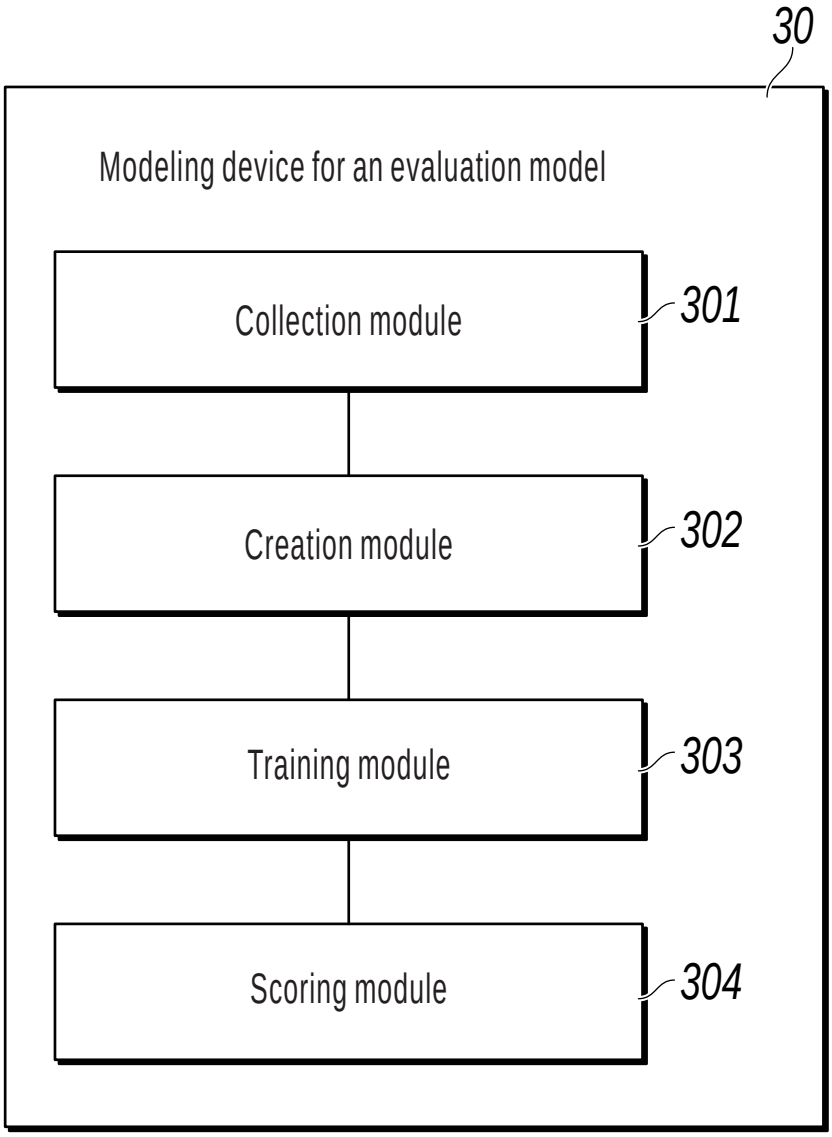

30
Modeling device for an evaluation model
Collection module
301
Creation module
302
Training module
303
Scoring module
304

FIG. 3

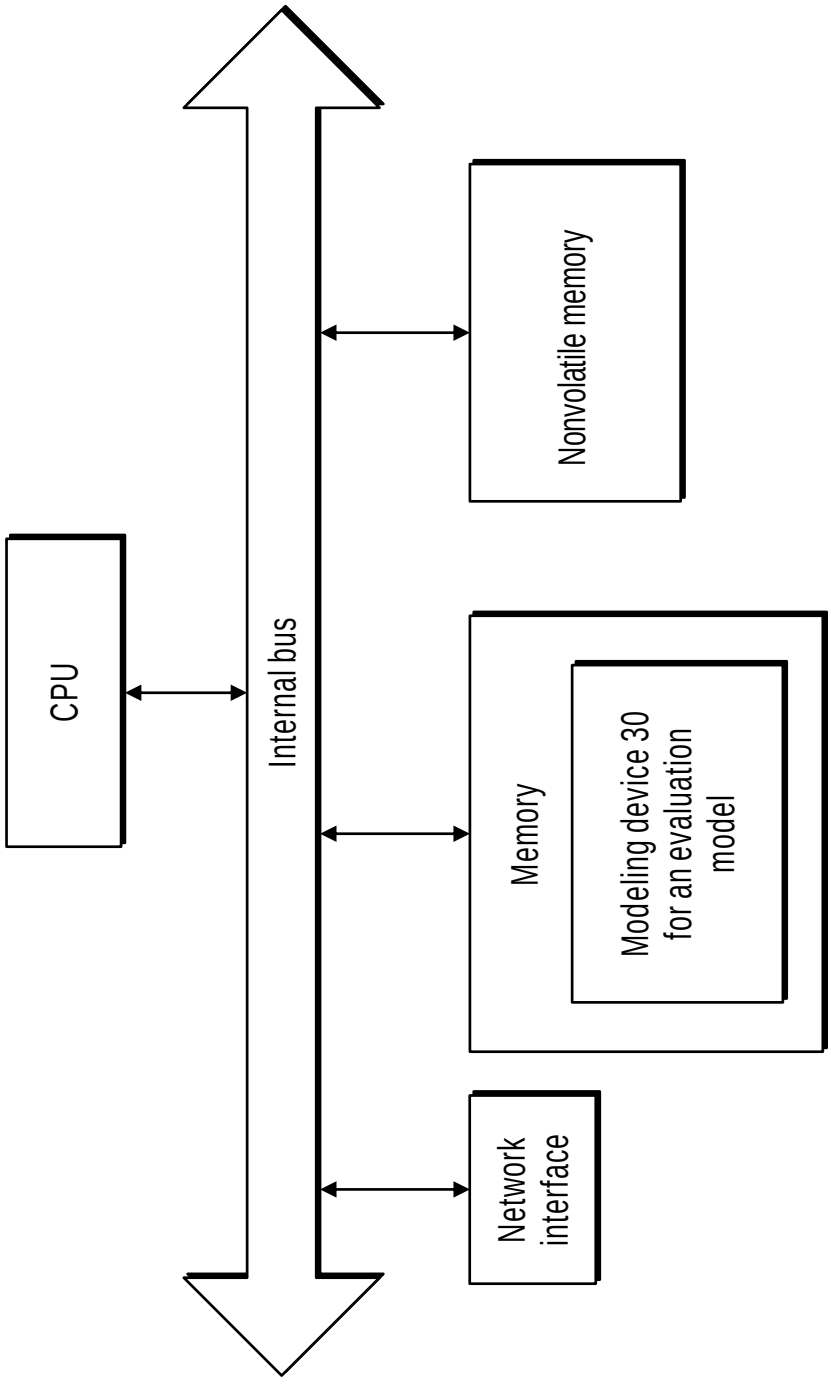

CPU
Internal bus
Nonvolatile memory
Memory
Modeling device 30 for an evaluation model
Network interface

FIG. 4