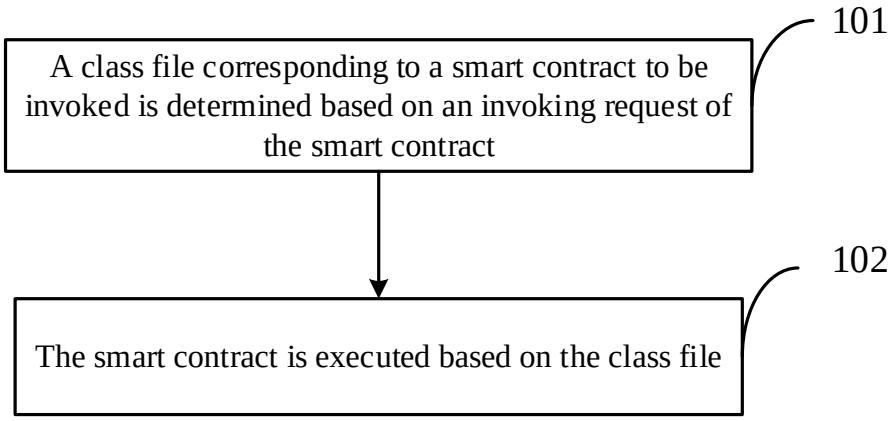


FIG. 1

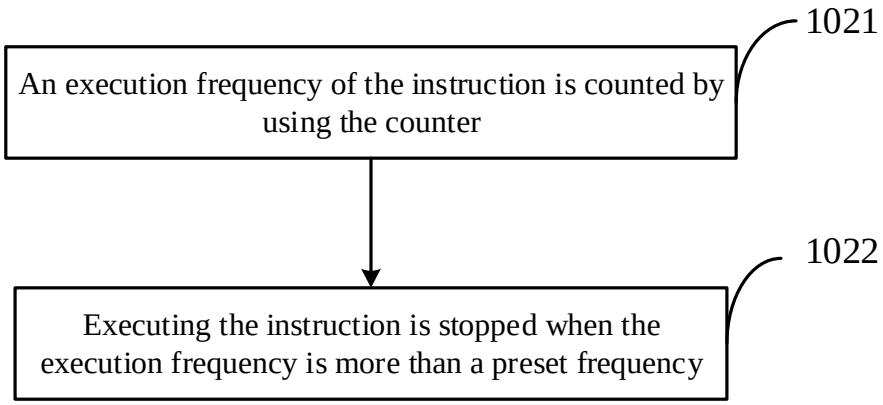


FIG. 2

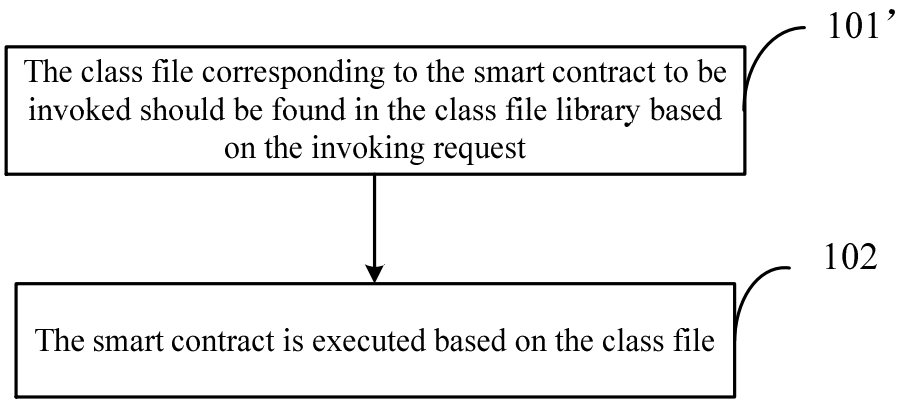


FIG. 3

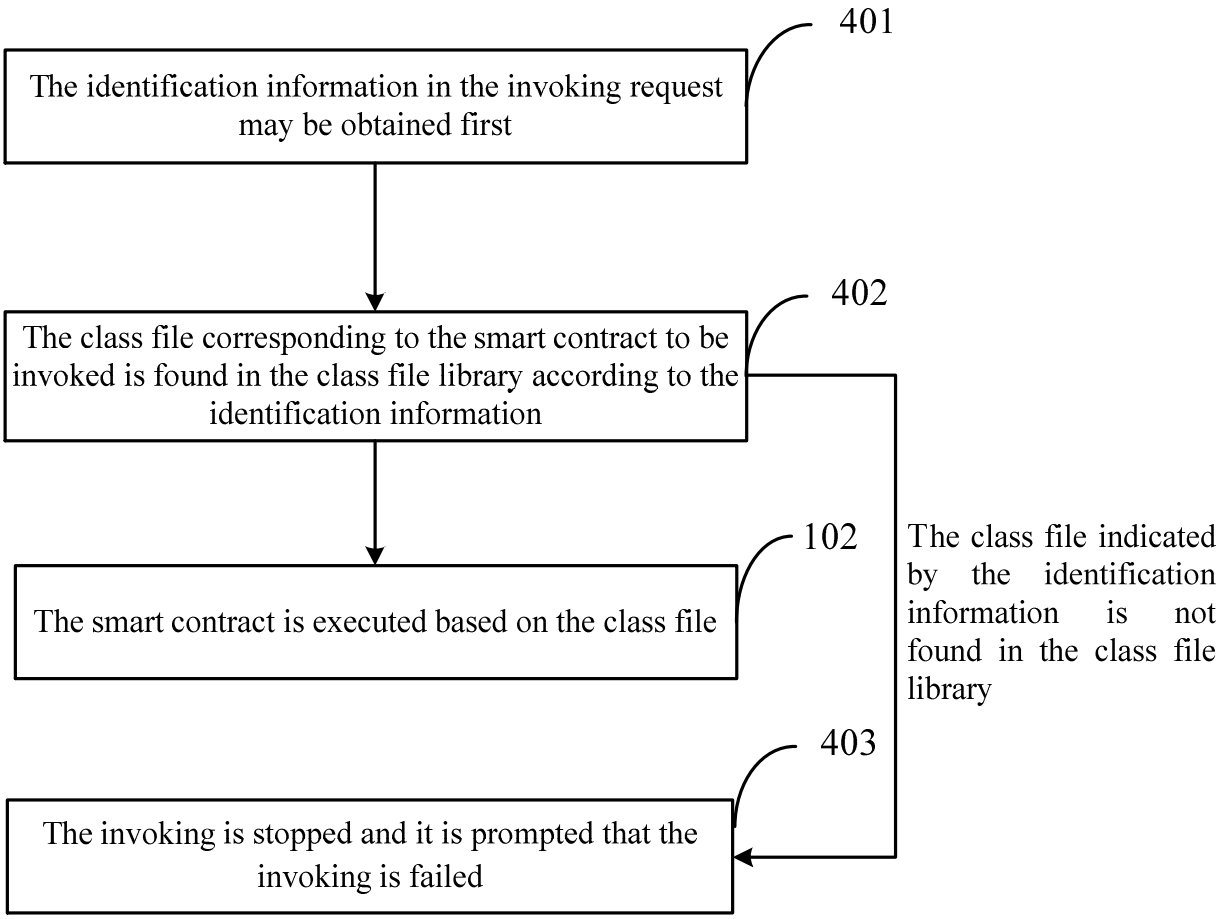

401
The identification information in the invoking request may be obtained first
402
The class file corresponding to the smart contract to be invoked is found in the class file library according to the identification information
102
The smart contract is executed based on the class file
The class file indicated by the identification information is not found in the class file library
403
The invoking is stopped and it is prompted that the invoking is failed

FIG. 4

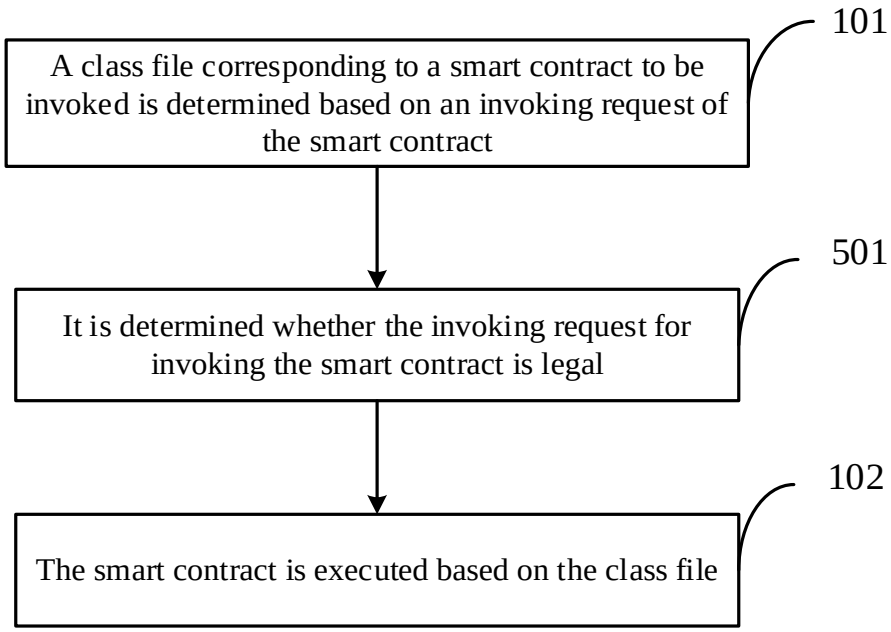

101
A class file corresponding to a smart contract to be invoked is determined based on an invoking request of the smart contract
501
It is determined whether the invoking request for invoking the smart contract is legal
102
The smart contract is executed based on the class file

FIG. 5

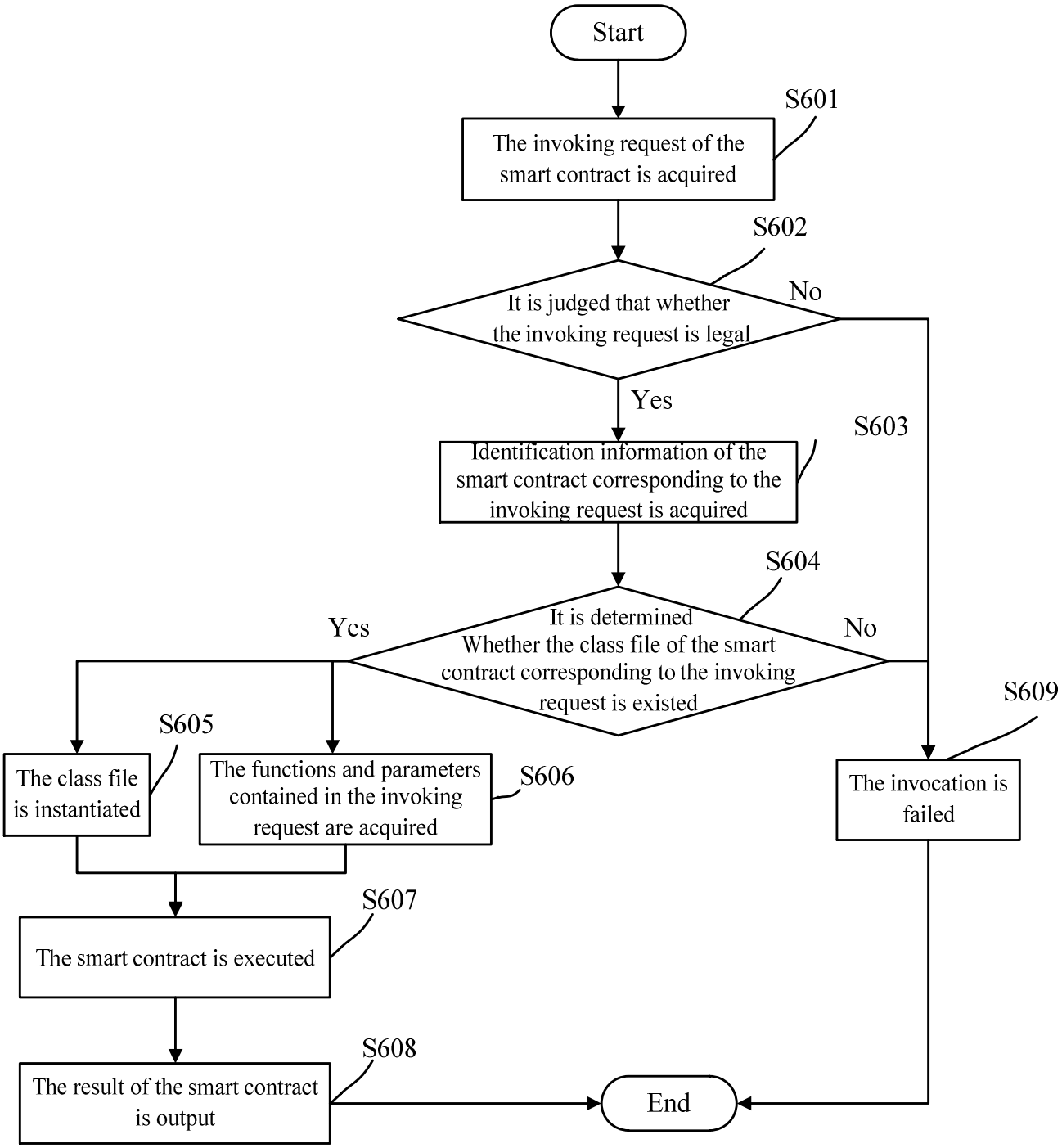

Start
S601
The invoking request of the smart contract is acquired
S602
It is judged that whether the invoking request is legal
No
Yes
S603
Identification information of the smart contract corresponding to the invoking request is acquired
S604
It is determined Whether the class file of the smart contract corresponding to the invoking request is existed
Yes
No
S605
The class file is instantiated
The functions and parameters contained in the invoking request are acquired
S606
S609
The invocation is failed
S607
The smart contract is executed
S608
The result of the smart contract is output
End

FIG. 6

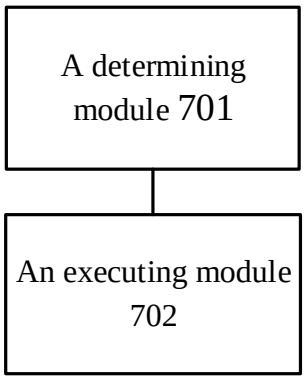


FIG. 7

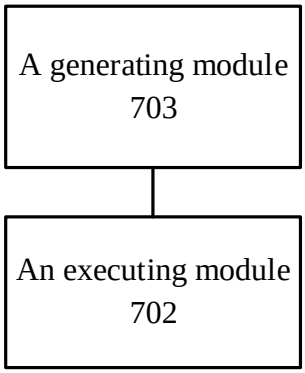


FIG. 8

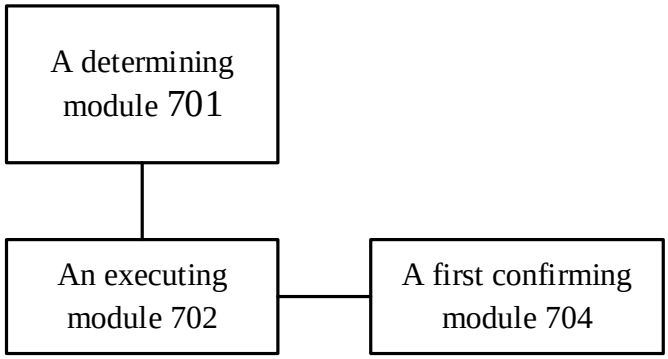


FIG. 9

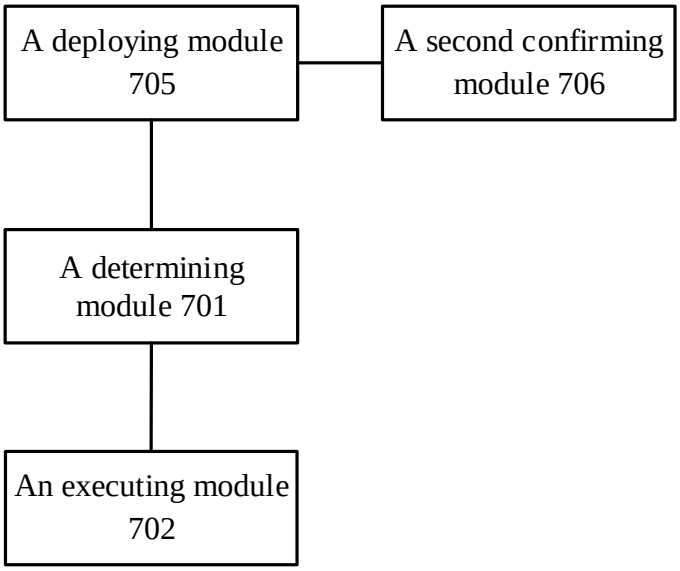


FIG. 10

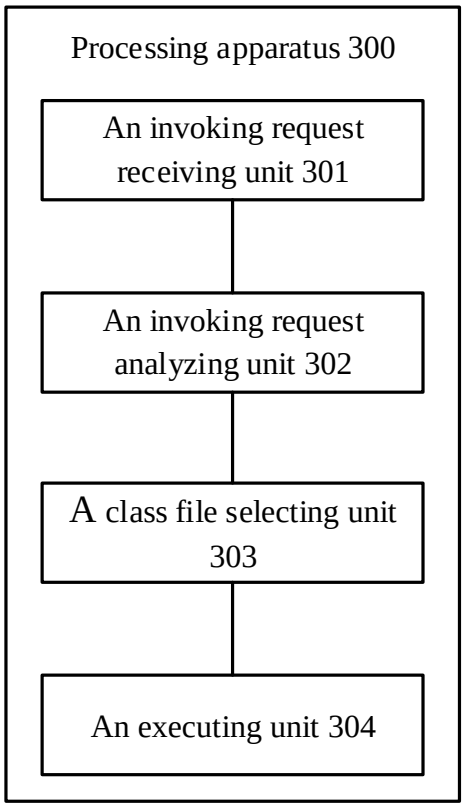

Processing apparatus 300
An invoking request receiving unit 301
An invoking request analyzing unit 302
A class file selecting unit 303
An executing unit 304

FIG. 11

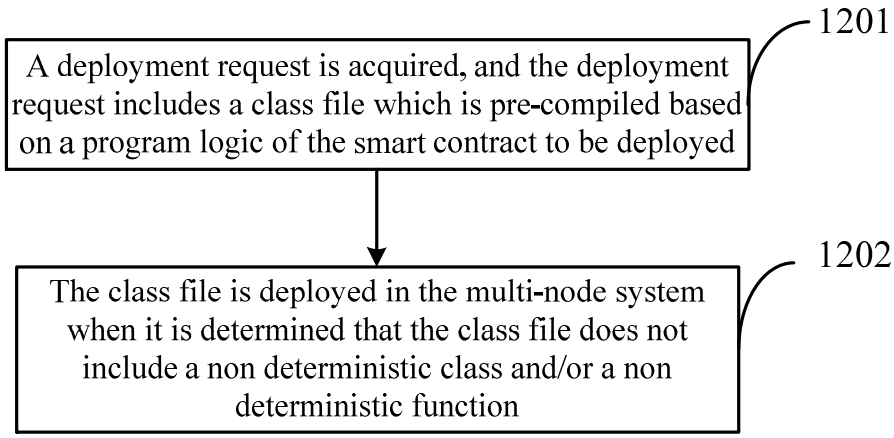

1201
A deployment request is acquired, and the deployment request includes a class file which is pre-compiled based on a program logic of the smart contract to be deployed
1202
The class file is deployed in the multi-node system when it is determined that the class file does not include a non deterministic class and/or a non deterministic function

FIG. 12

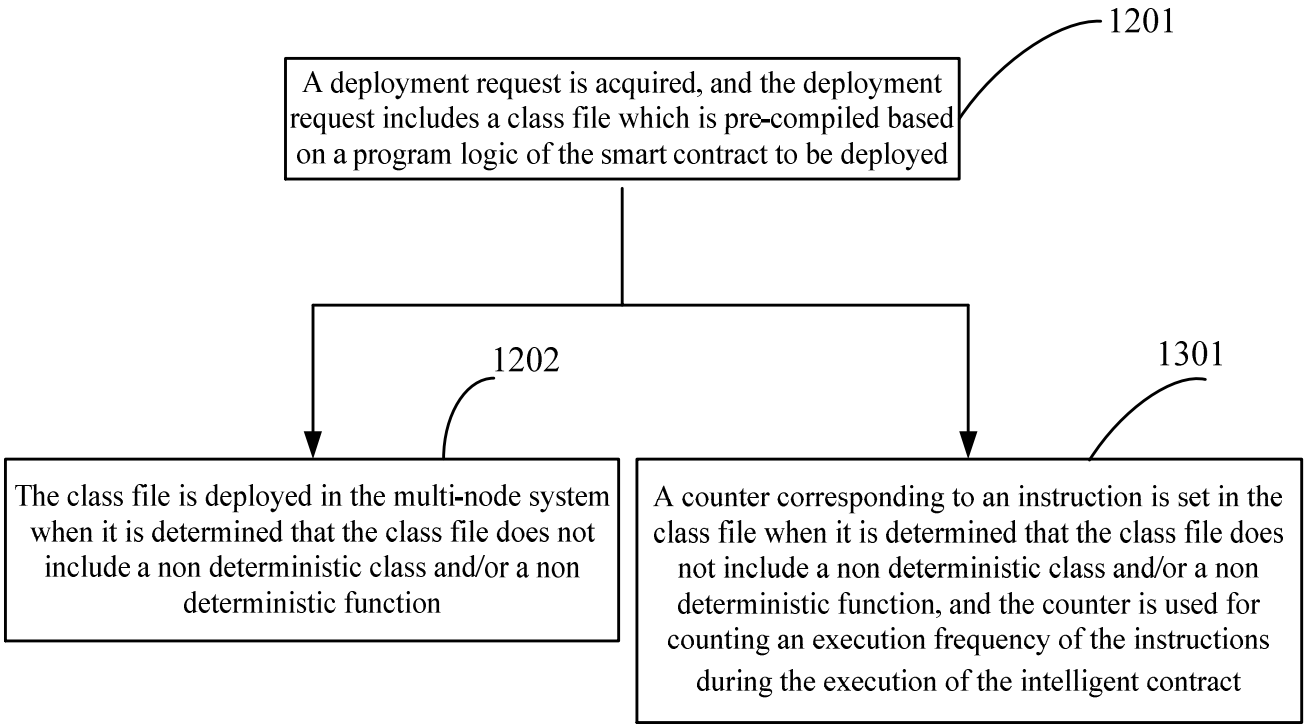

1201
A deployment request is acquired, and the deployment request includes a class file which is pre-compiled based on a program logic of the smart contract to be deployed
1202
1301
The class file is deployed in the multi-node system when it is determined that the class file does not include a non deterministic class and/or a non deterministic function
A counter corresponding to an instruction is set in the class file when it is determined that the class file does not include a non deterministic class and/or a non deterministic function, and the counter is used for counting an execution frequency of the instructions during the execution of the intelligent contract

FIG. 13

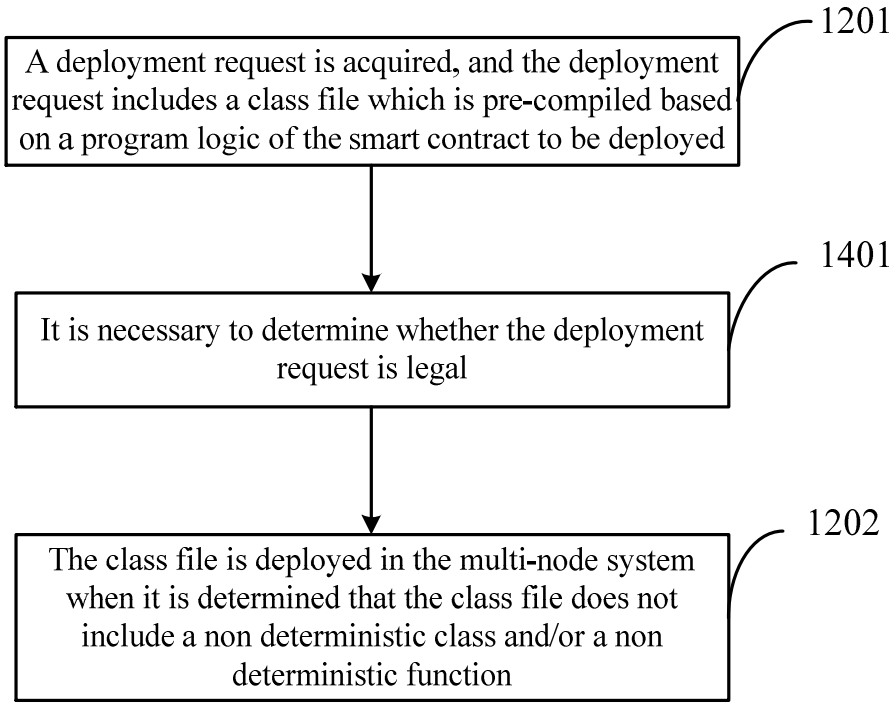

1201
A deployment request is acquired, and the deployment request includes a class file which is pre-compiled based on a program logic of the smart contract to be deployed
1401
It is necessary to determine whether the deployment request is legal
1202
The class file is deployed in the multi-node system when it is determined that the class file does not include a non deterministic class and/or a non deterministic function

FIG. 14

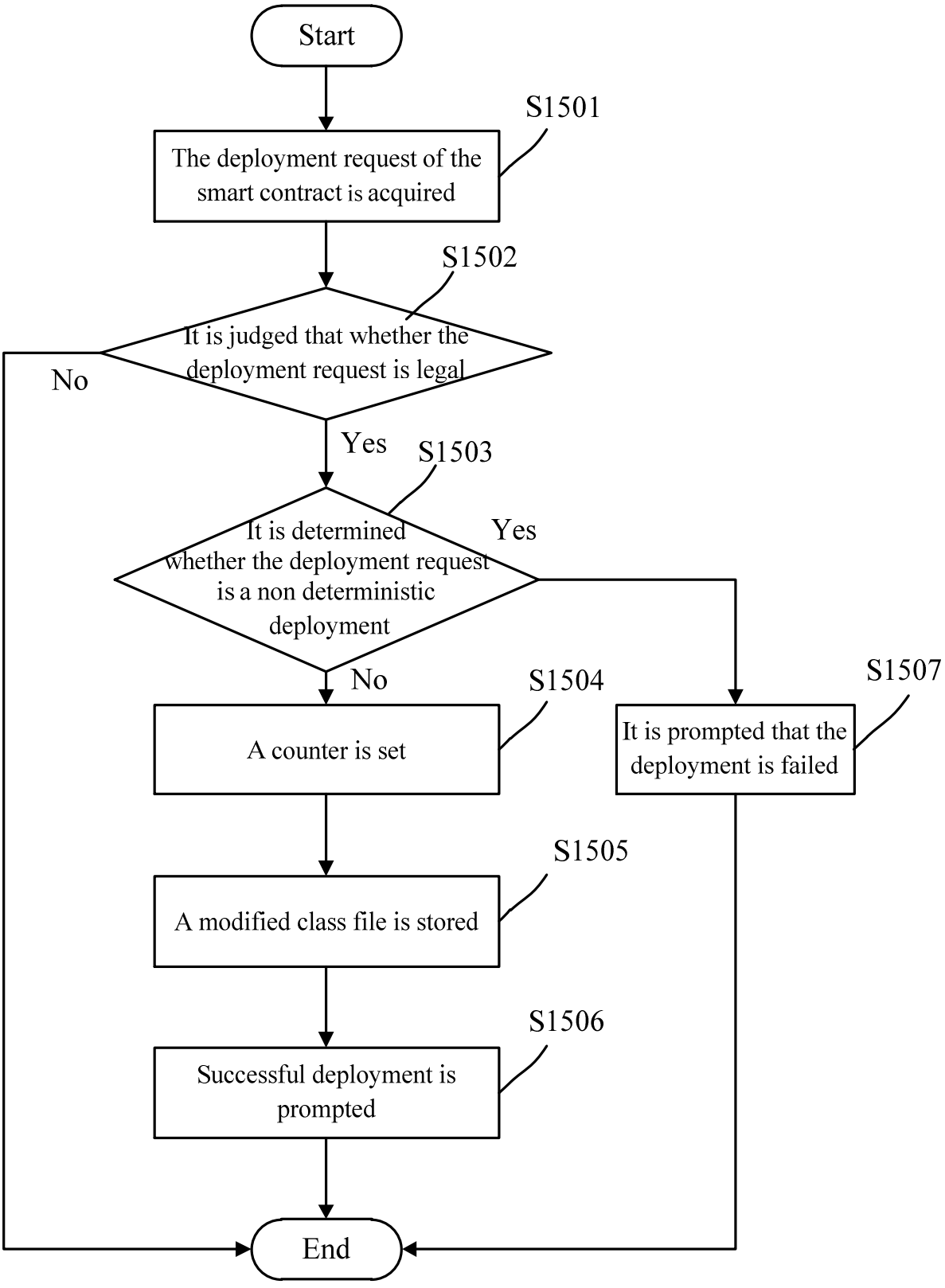

Start
S1501
The deployment request of the smart contract is acquired
S1502
It is judged that whether the deployment request is legal
No
Yes
S1503
It is determined whether the deployment request is a non deterministic deployment
Yes
No
S1504
A counter is set
S1507
It is prompted that the deployment is failed
S1505
A modified class file is stored
S1506
Successful deployment is prompted
End

FIG. 15a

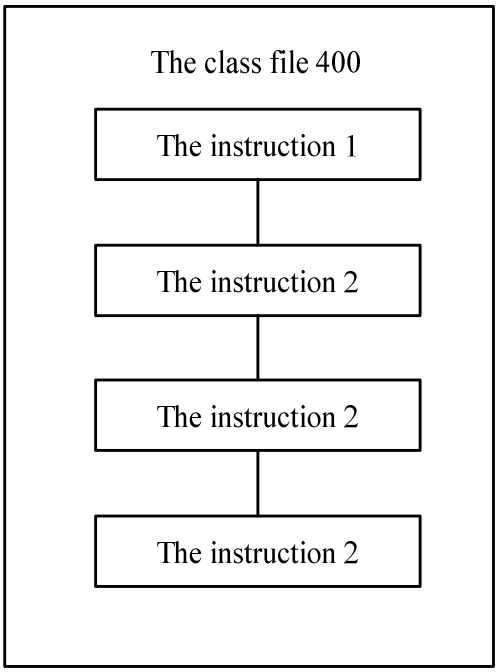


FIG. 15b

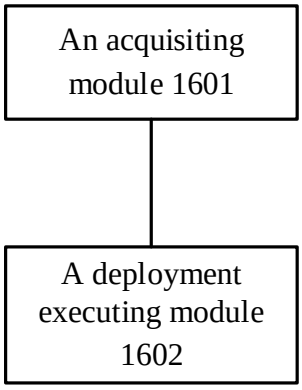


FIG. 16

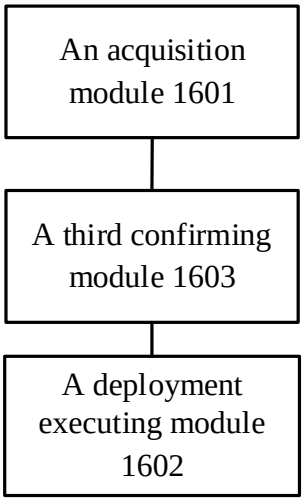


FIG. 17