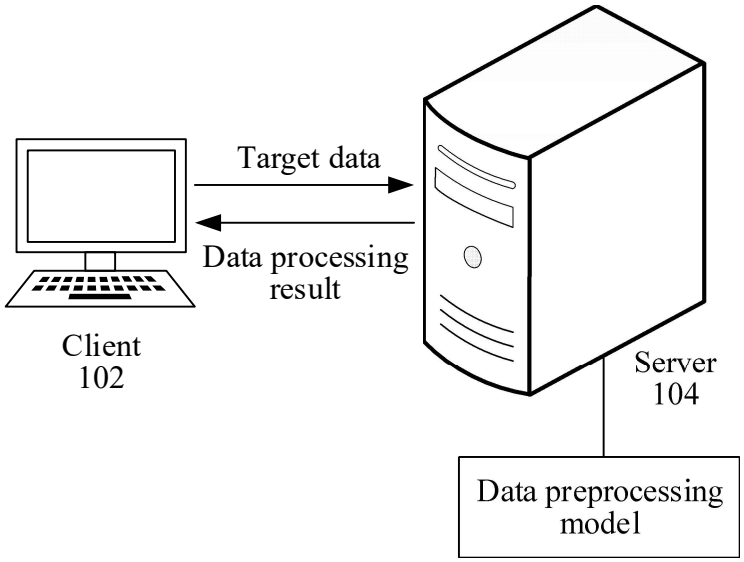

Target data
Data processing result
Client 102
Server 104
Data preprocessing model

FIG. 1

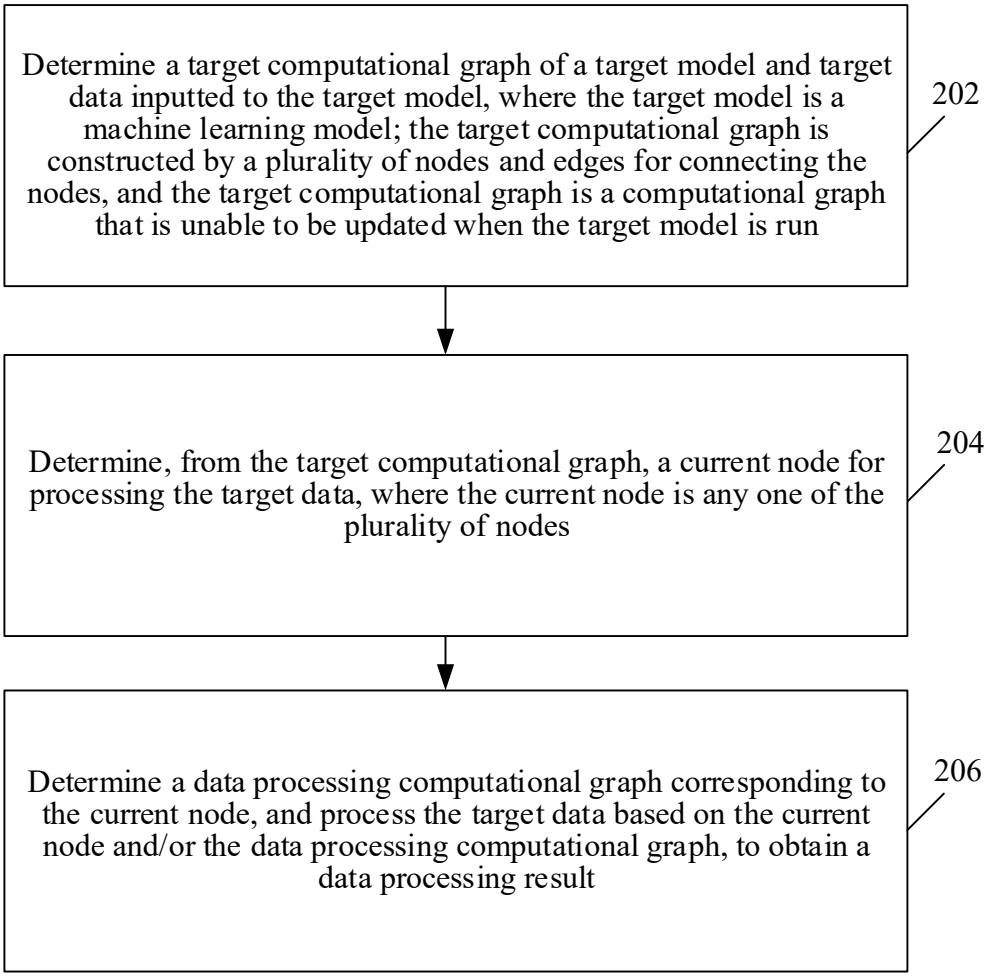

Determine a target computational graph of a target model and target data inputted to the target model, where the target model is a machine learning model; the target computational graph is constructed by a plurality of nodes and edges for connecting the nodes, and the target computational graph is a computational graph that is unable to be updated when the target model is run
202
Determine, from the target computational graph, a current node for processing the target data, where the current node is any one of the plurality of nodes
204
Determine a data processing computational graph corresponding to the current node, and process the target data based on the current node and/or the data processing computational graph, to obtain a data processing result
206

FIG. 2

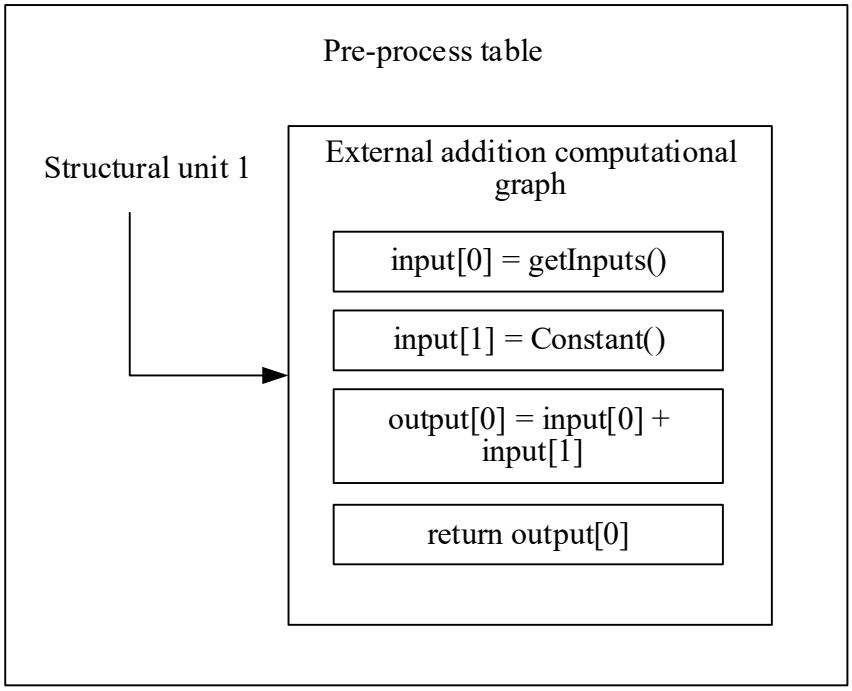

Pre-process table
Structural unit 1
External addition computational graph
input[0] = getInputs()
input[1] = Constant()
output[0] = input[0] + input[1]
return output[0]

FIG. 3

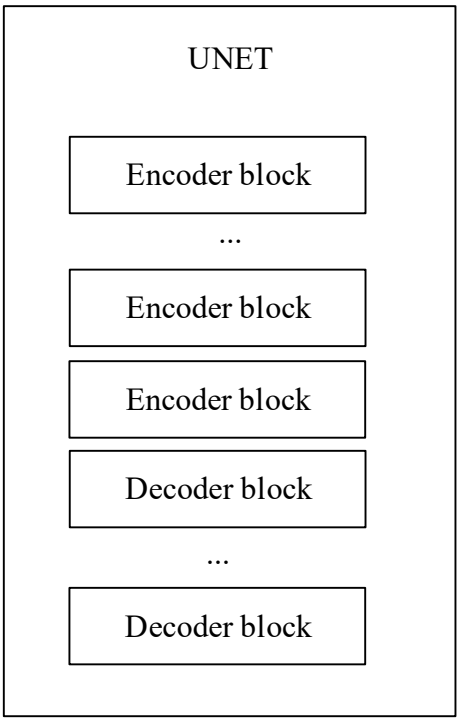

UNET
Encoder block
...
Encoder block
Encoder block
Decoder block
...
Decoder block

FIG. 4

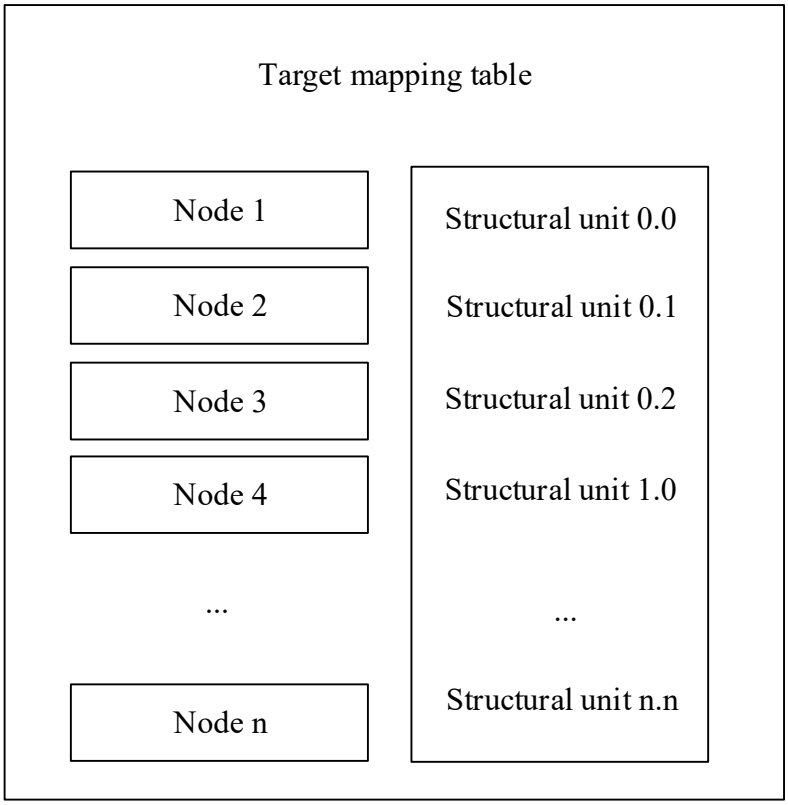

Target mapping table
Node 1
Node 2
Node 3
Node 4
...
Node n
Structural unit 0.0
Structural unit 0.1
Structural unit 0.2
Structural unit 1.0
...
Structural unit n.n

FIG. 5

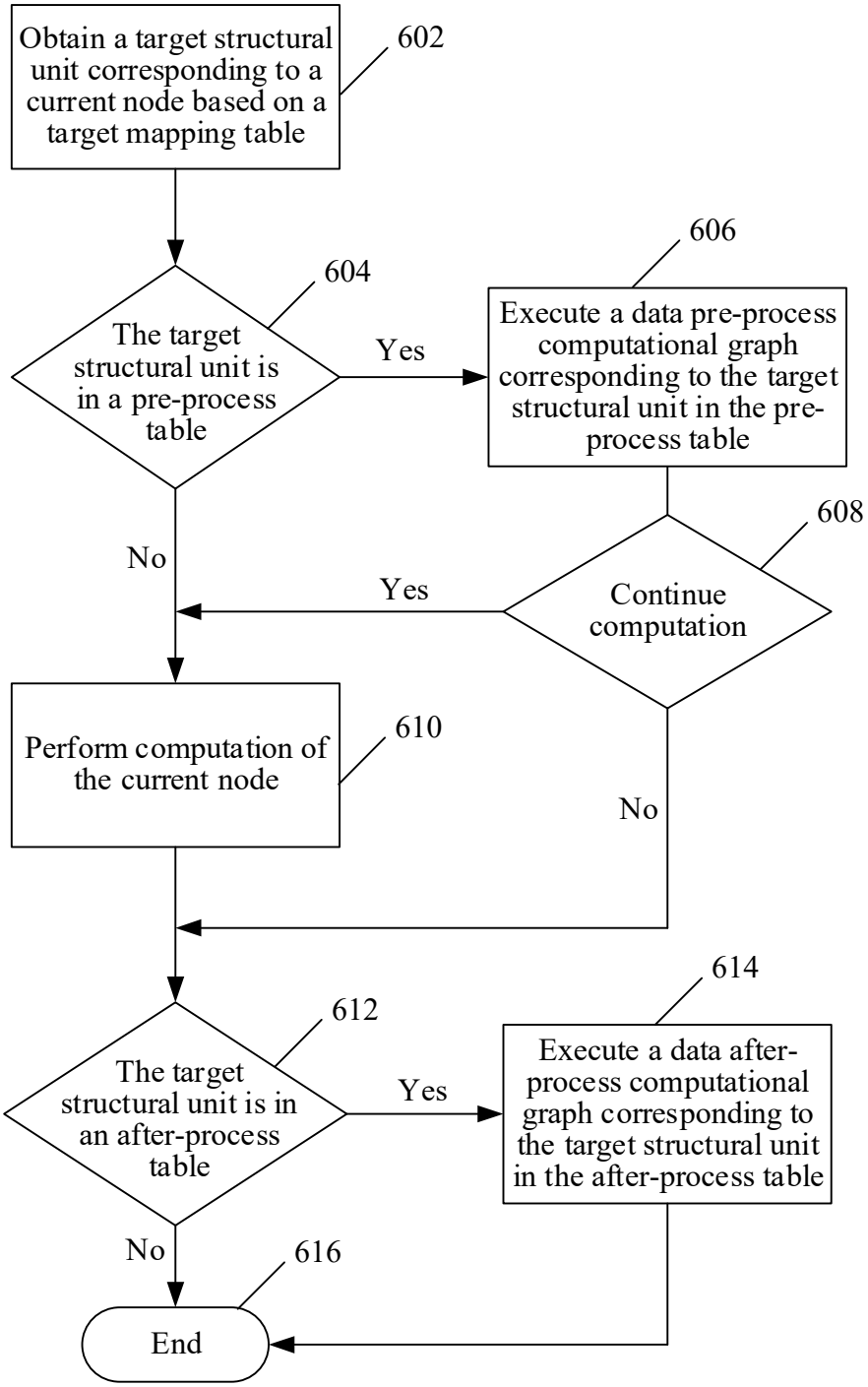

Obtain a target structural unit corresponding to a current node based on a target mapping table
602
The target structural unit is in a pre-process table
604
Yes
Execute a data pre-process computational graph corresponding to the target structural unit in the pre-process table
606
No
Continue computation
608
Yes
Perform computation of the current node
610
No
The target structural unit is in an after-process table
612
Yes
Execute a data after-process computational graph corresponding to the target structural unit in the after-process table
614
No
End
616

FIG. 6

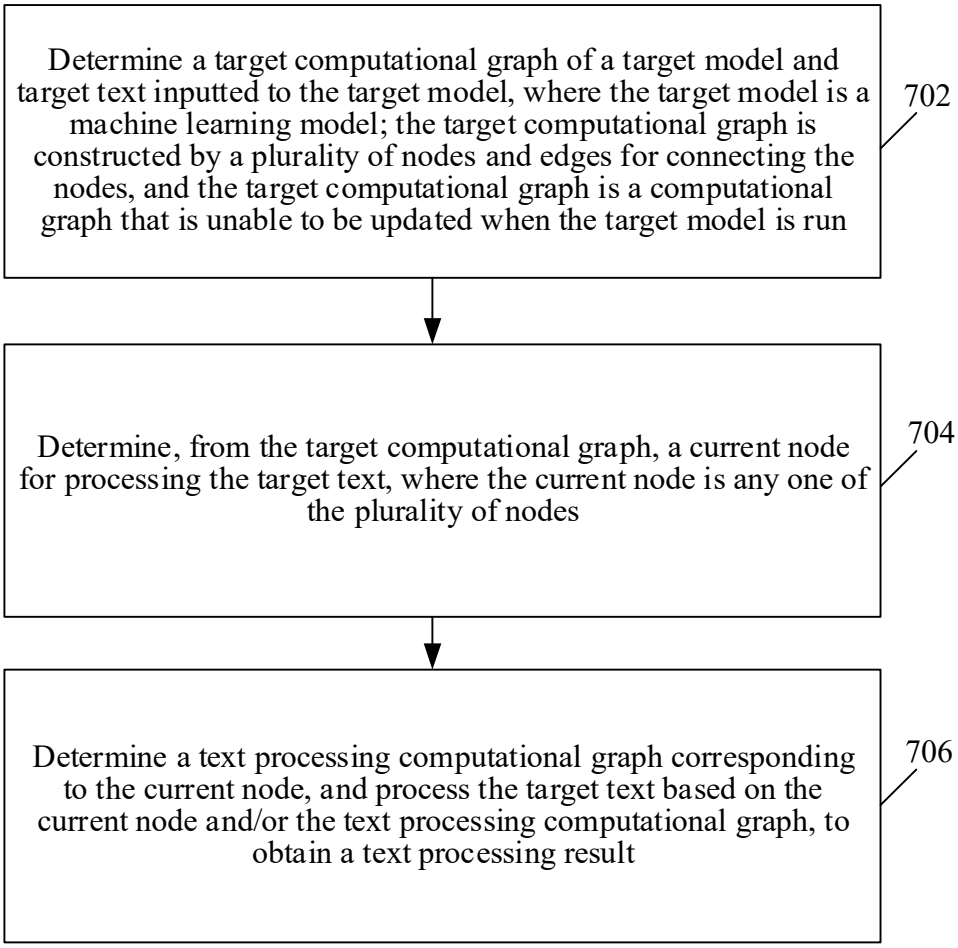

Determine a target computational graph of a target model and target text inputted to the target model, where the target model is a machine learning model; the target computational graph is constructed by a plurality of nodes and edges for connecting the nodes, and the target computational graph is a computational graph that is unable to be updated when the target model is run
702
Determine, from the target computational graph, a current node for processing the target text, where the current node is any one of the plurality of nodes
704
Determine a text processing computational graph corresponding to the current node, and process the target text based on the current node and/or the text processing computational graph, to obtain a text processing result
706

FIG. 7

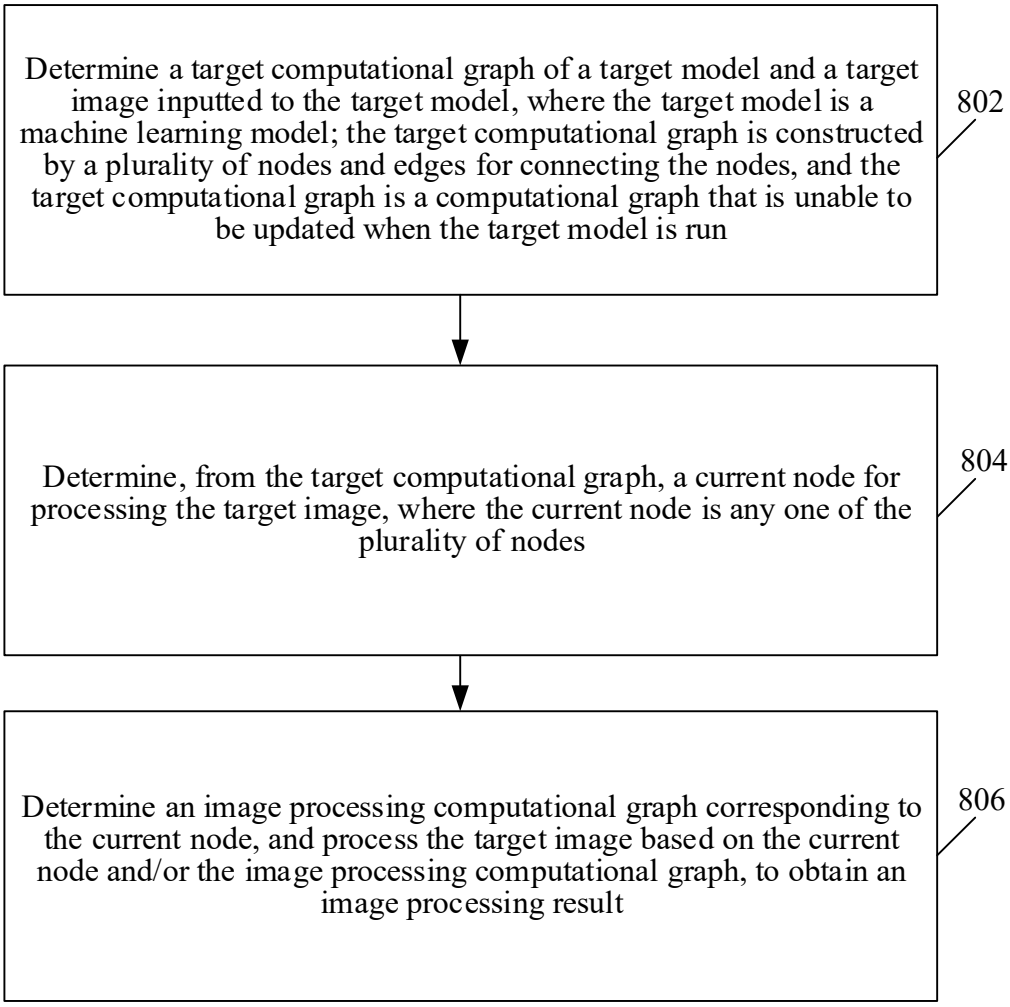

Determine a target computational graph of a target model and a target image inputted to the target model, where the target model is a machine learning model; the target computational graph is constructed by a plurality of nodes and edges for connecting the nodes, and the target computational graph is a computational graph that is unable to be updated when the target model is run
802
Determine, from the target computational graph, a current node for processing the target image, where the current node is any one of the plurality of nodes
804
Determine an image processing computational graph corresponding to the current node, and process the target image based on the current node and/or the image processing computational graph, to obtain an image processing result
806

FIG. 8

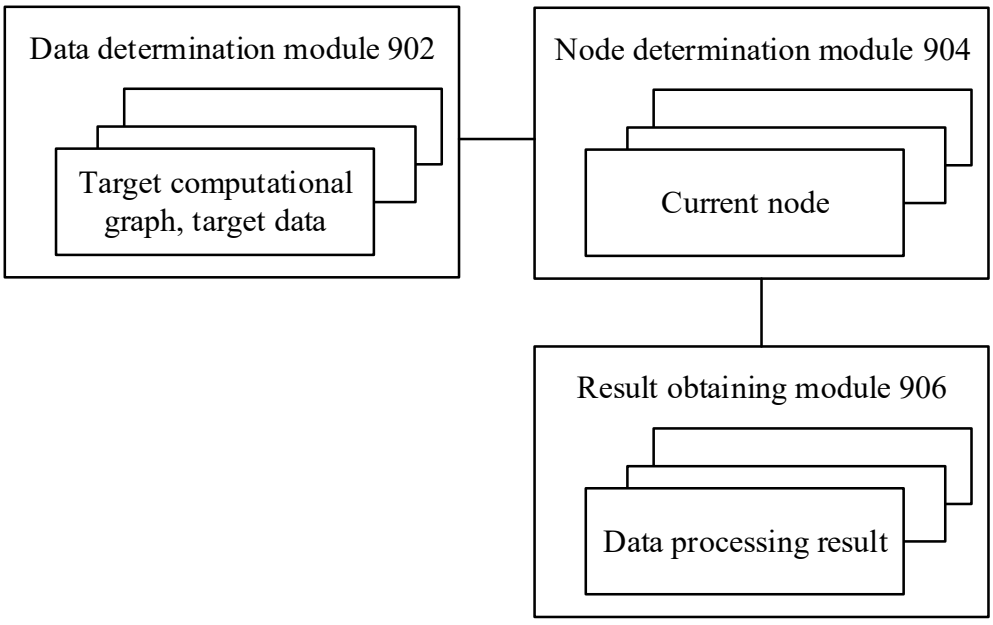

Data determination module 902
Target computational graph, target data
Node determination module 904
Current node
Result obtaining module 906
Data processing result

FIG. 9

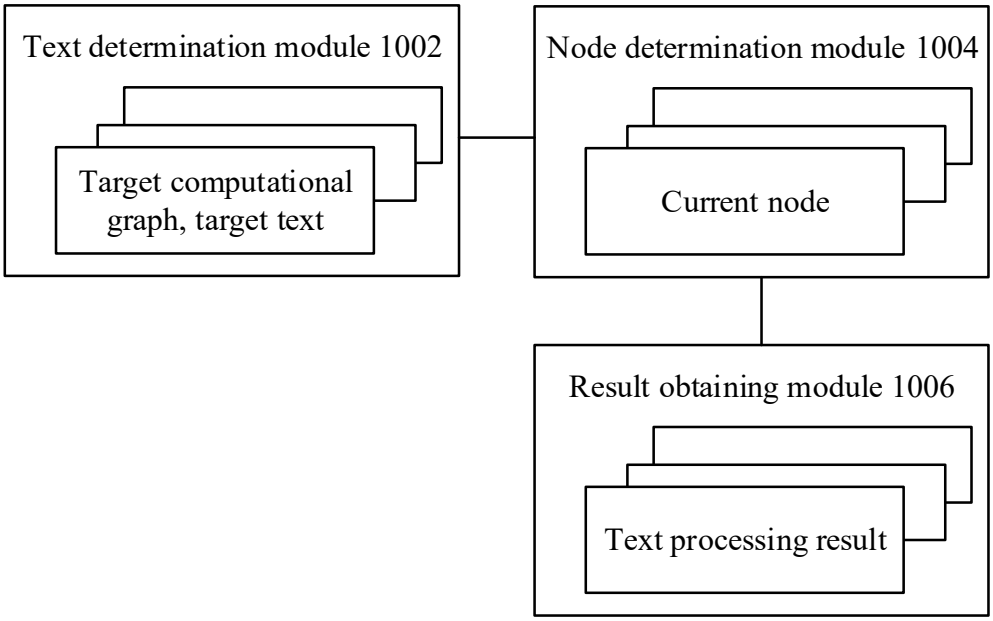

Text determination module 1002
Target computational graph, target text
Node determination module 1004
Current node
Result obtaining module 1006
Text processing result

FIG. 10

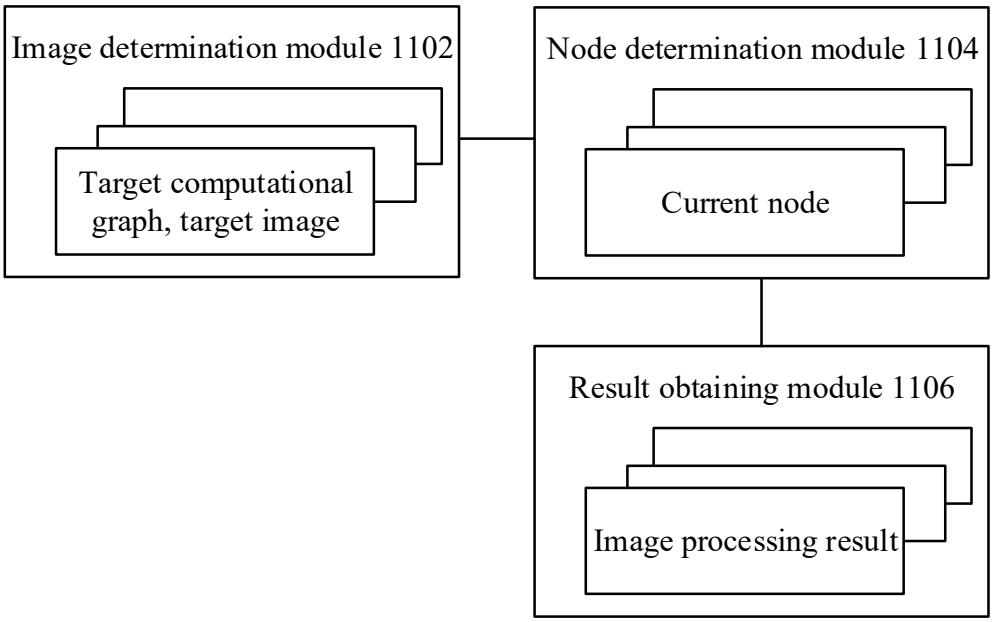

Image determination module 1102
Target computational graph, target image
Node determination module 1104
Current node
Result obtaining module 1106
Image processing result

FIG. 11

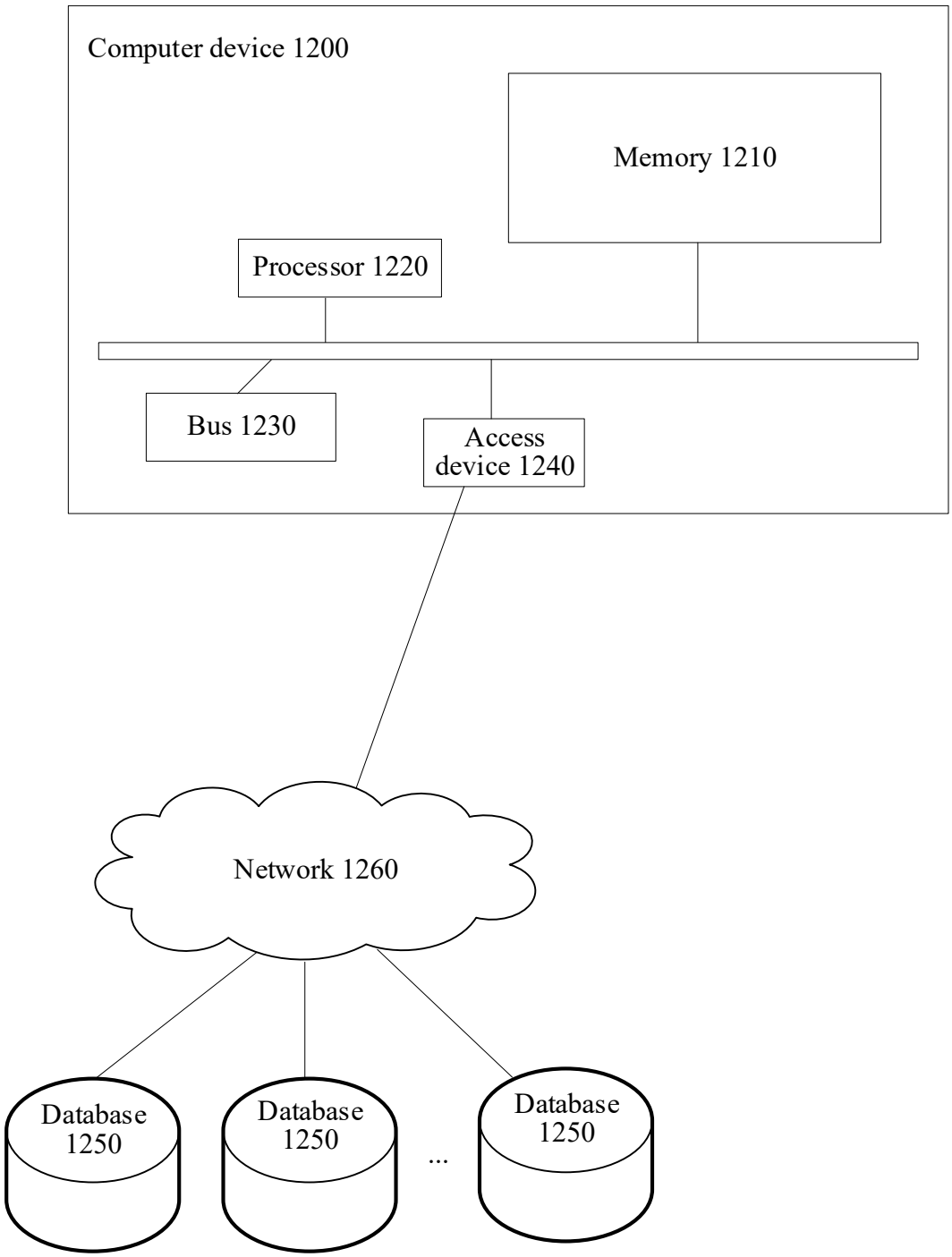

Computer device 1200
Memory 1210
Processor 1220
Bus 1230
Access device 1240
Network 1260
Database 1250
Database 1250
...
Database 1250

FIG. 12