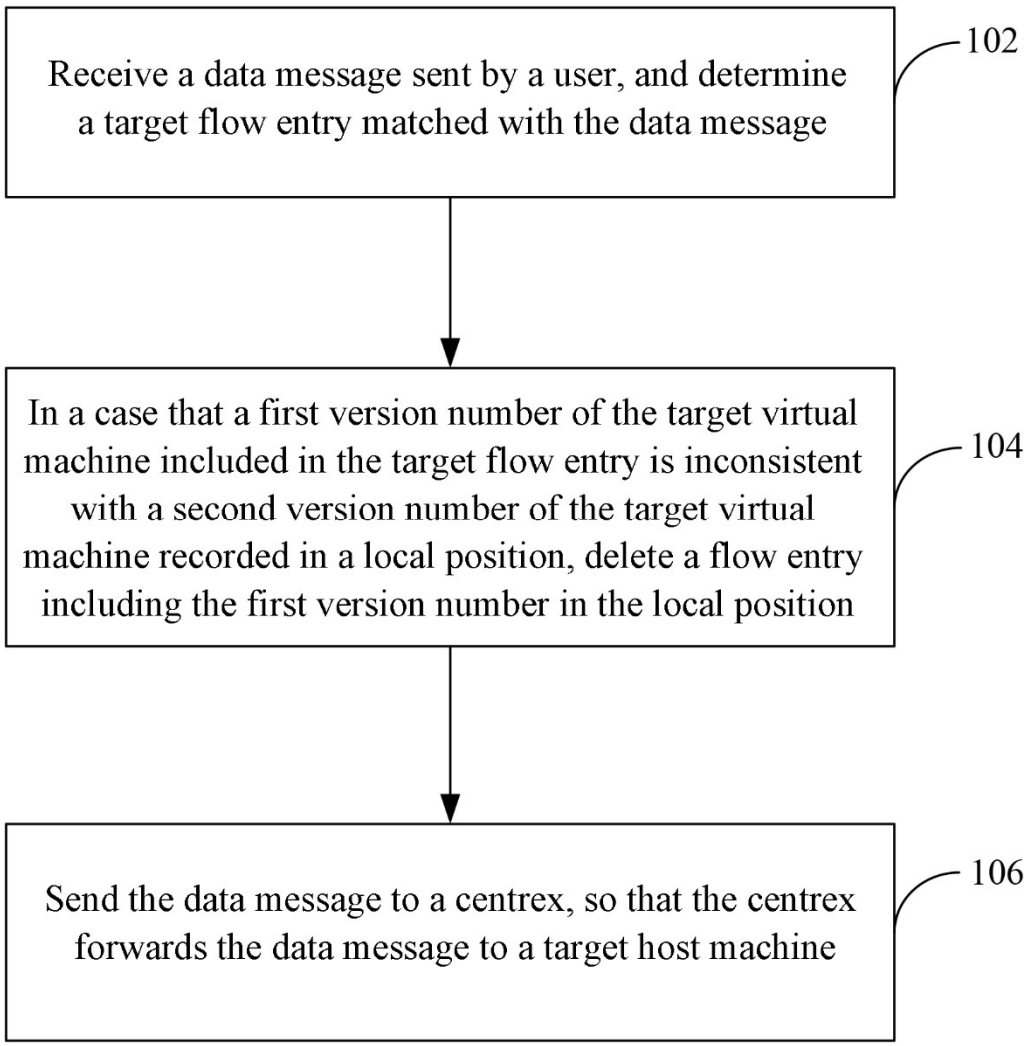
Receive a data message sent by a user, and determine a target flow entry matched with the data message
102
In a case that a first version number of the target virtual machine included in the target flow entry is inconsistent with a second version number of the target virtual machine recorded in a local position, delete a flow entry including the first version number in the local position
104
Send the data message to a centrex, so that the centrex forwards the data message to a target host machine
106

FIG. 1

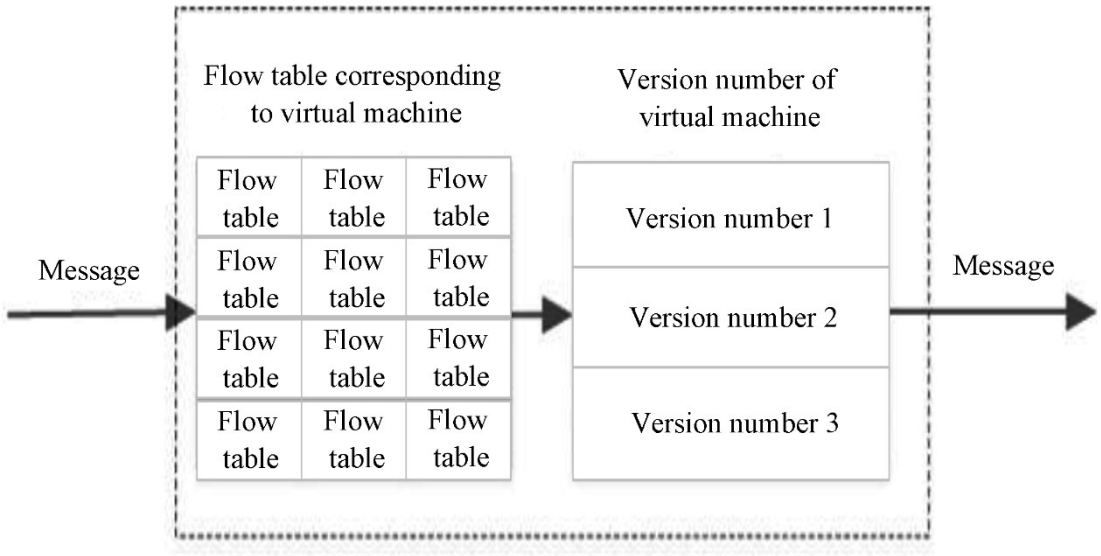
Flow table corresponding to virtual machine
Version number of virtual machine
Flow table
Version number 1
Version number 2
Version number 3
Message
Message

FIG. 2

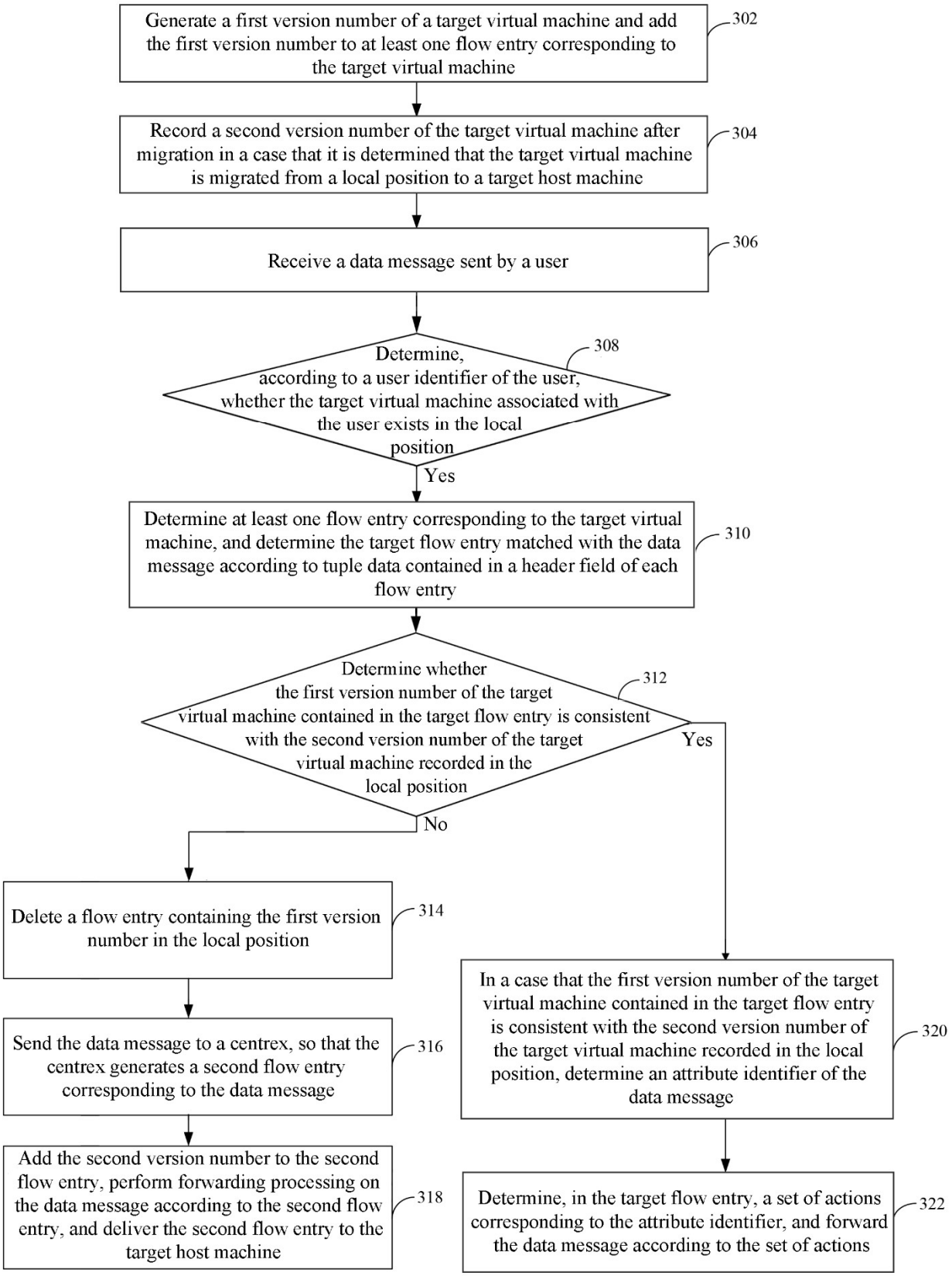
Generate a first version number of a target virtual machine and add the first version number to at least one flow entry corresponding to the target virtual machine
302
Record a second version number of the target virtual machine after migration in a case that it is determined that the target virtual machine is migrated from a local position to a target host machine
304
Receive a data message sent by a user
306
Determine, according to a user identifier of the user, whether the target virtual machine associated with the user exists in the local position
308
Yes
Determine at least one flow entry corresponding to the target virtual machine, and determine the target flow entry matched with the data message according to tuple data contained in a header field of each flow entry
310
Determine whether the first version number of the target virtual machine contained in the target flow entry is consistent with the second version number of the target virtual machine recorded in the local position
312
Yes
No
Delete a flow entry containing the first version number in the local position
314
Send the data message to a centrex, so that the centrex generates a second flow entry corresponding to the data message
316
Add the second version number to the second flow entry, perform forwarding processing on the data message according to the second flow entry, and deliver the second flow entry to the target host machine
318
In a case that the first version number of the target virtual machine contained in the target flow entry is consistent with the second version number of the target virtual machine recorded in the local position, determine an attribute identifier of the data message
320
Determine, in the target flow entry, a set of actions corresponding to the attribute identifier, and forward the data message according to the set of actions
322

FIG. 3

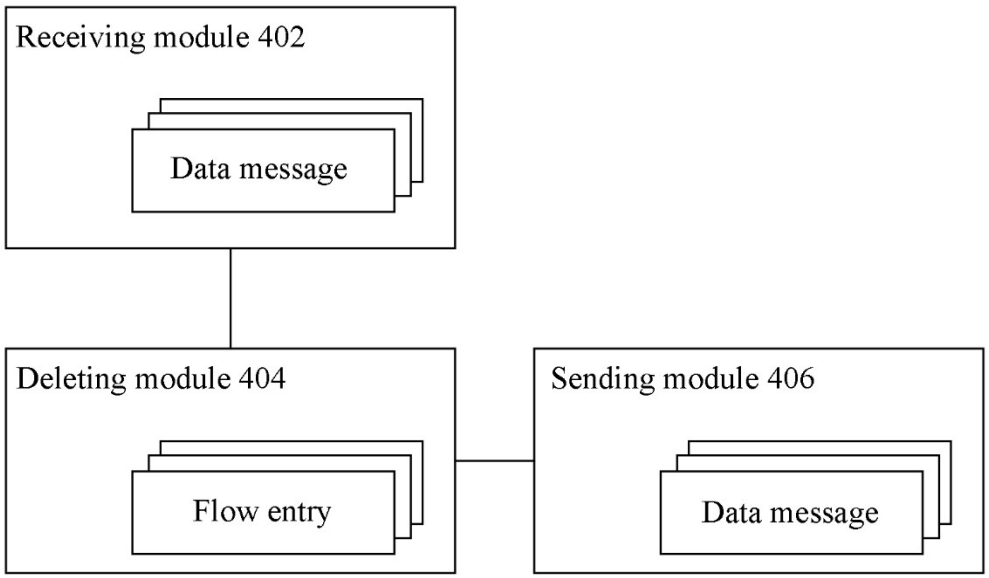
Receiving module 402
Data message
Deleting module 404
Flow entry
Sending module 406
Data message

FIG. 4

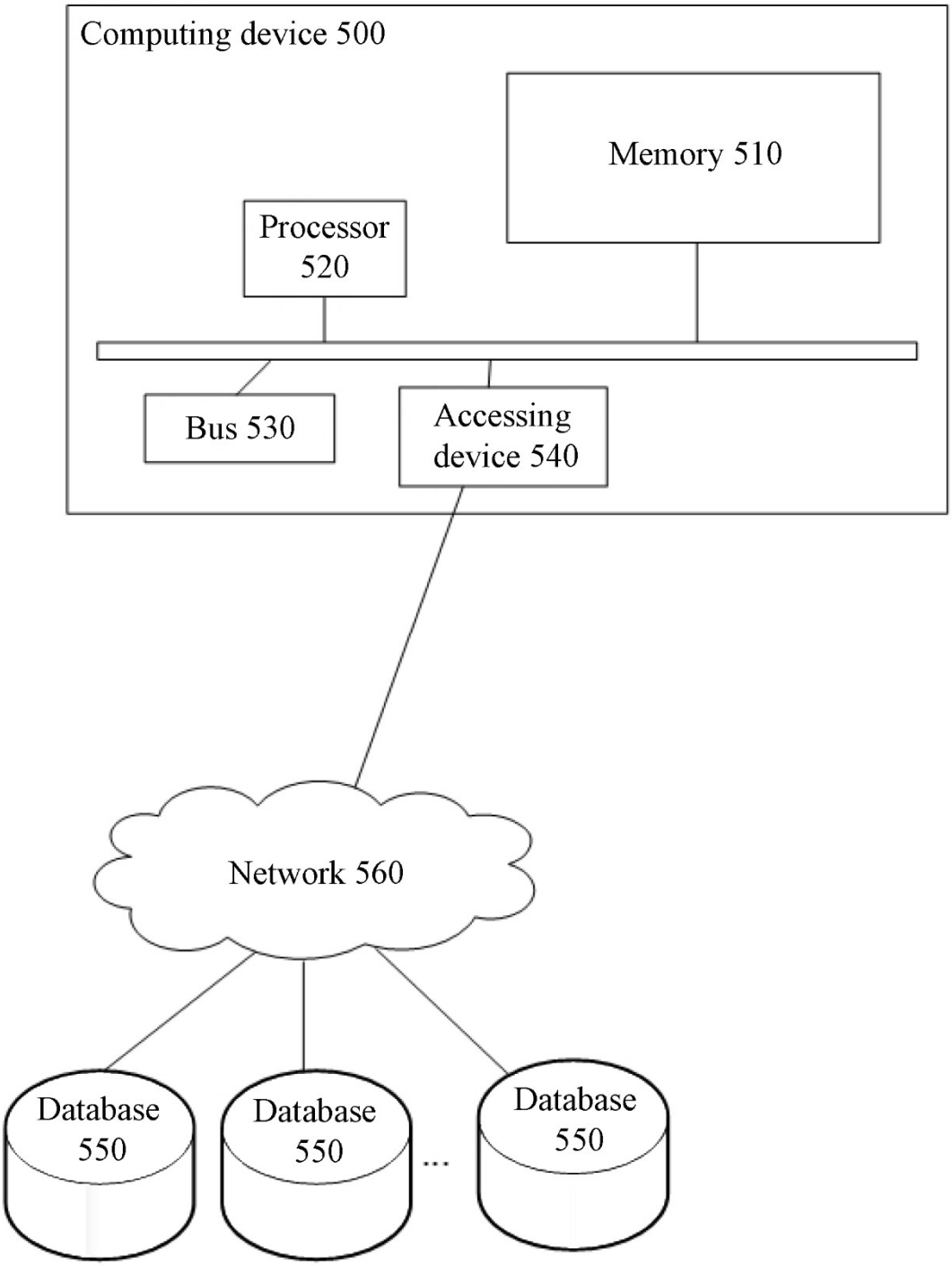
Computing device 500
Memory 510
Processor 520
Bus 530
Accessing device 540
Network 560
Database 550
Database 550
...
Database 550

FIG. 5