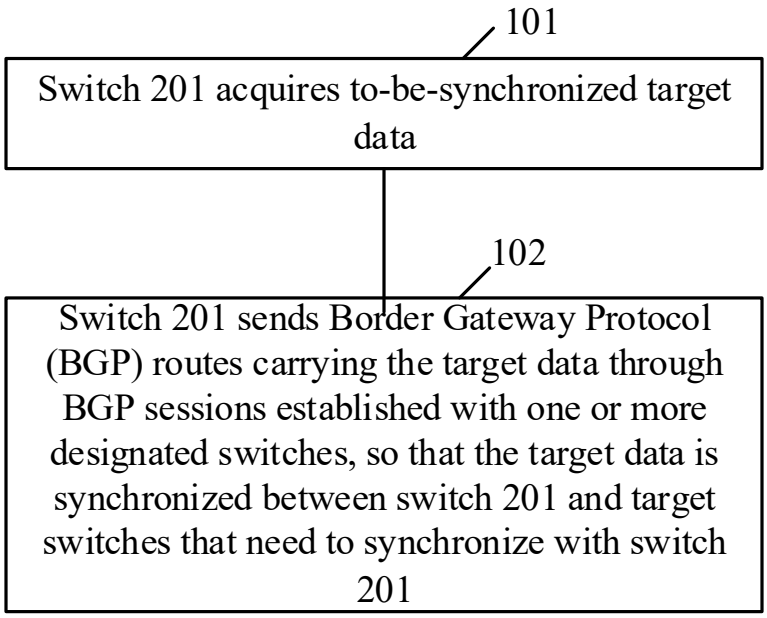

101
Switch 201 acquires to-be-synchronized target data
102
Switch 201 sends Border Gateway Protocol (BGP) routes carrying the target data through BGP sessions established with one or more designated switches, so that the target data is synchronized between switch 201 and target switches that need to synchronize with switch 201

FIG. 1

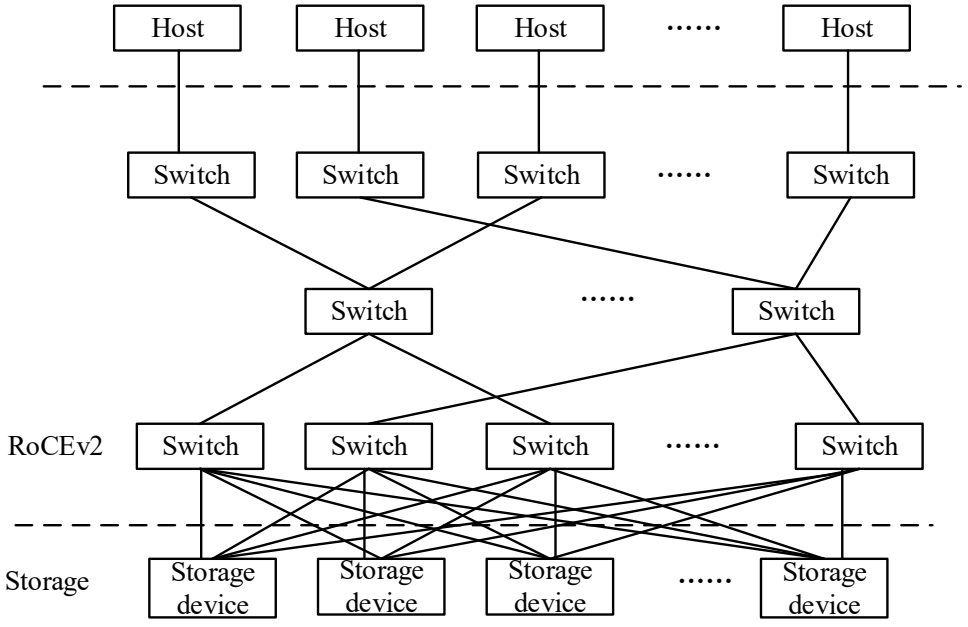

Host
Host
Host
.....
Host
Switch
Switch
Switch
.....
Switch
Switch
.....
Switch
RoCEv2
Switch
Switch
Switch
.....
Switch
Storage
Storage device
Storage device
Storage device
.....
Storage device

FIG. 2

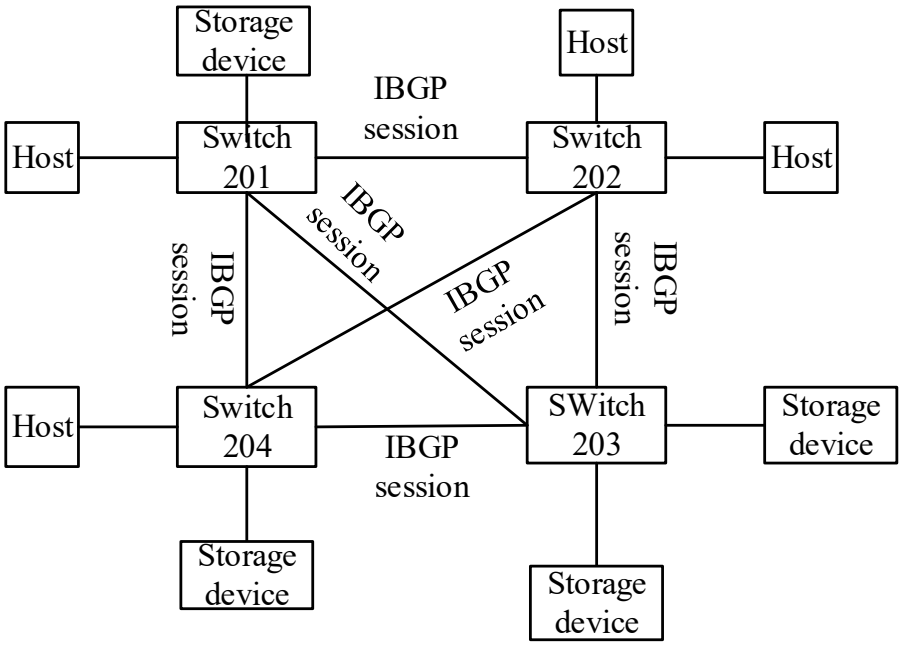

Storage device
Host
IBGP session
Host
Switch 201
Switch 202
Host
IBGP session
IBGP session
IBGP session
IBGP session
Host
Switch 204
SWitch 203
Storage device
IBGP session
Storage device
Storage device

FIG. 3

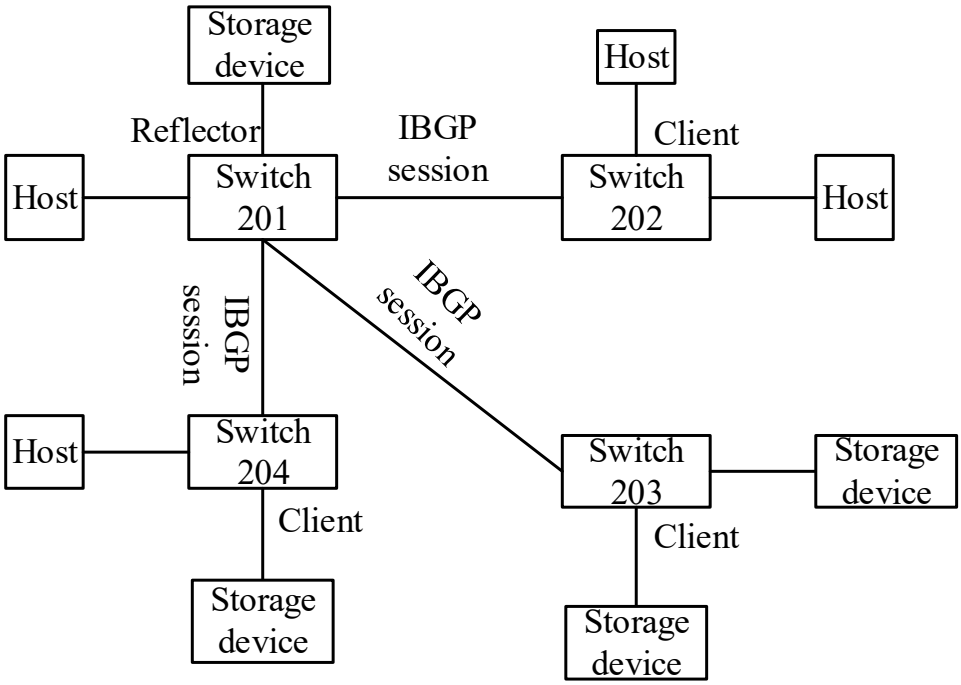

Storage device
Host
Reflector
IBGP session
Client
Host
Switch 201
Switch 202
Host
IBGP session
IBGP session
Host
Switch 204
Switch 203
Storage device
Client
Client
Storage device
Storage device

FIG. 4

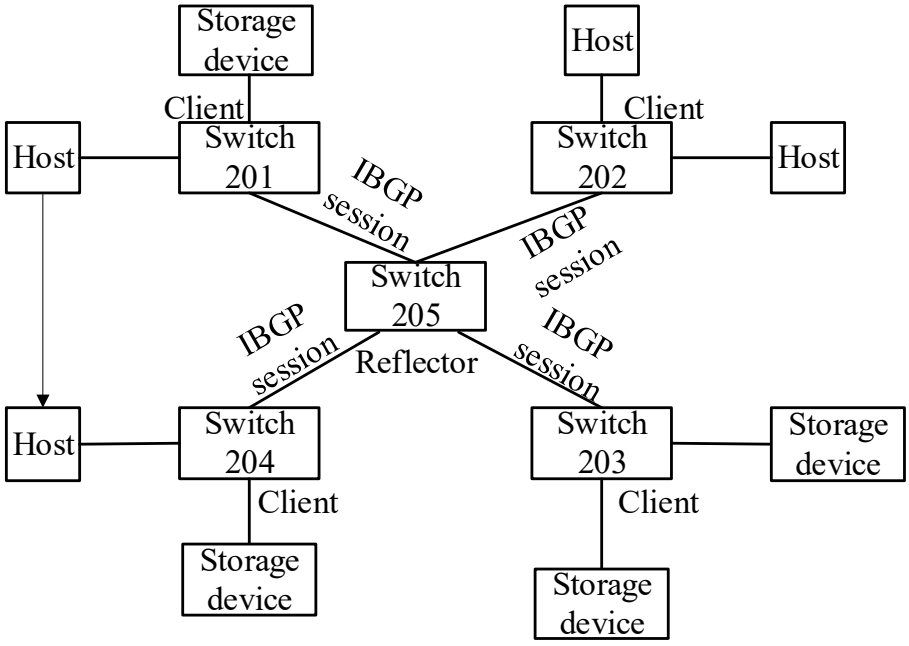

Storage device
Host
Client
Client
Host
Switch 201
Switch 202
Host
IBGP session
IBGP session
Switch 205
IBGP session
IBGP session
Reflector
Host
Switch 204
Switch 203
Storage device
Client
Client
Storage device
Storage device

FIG. 5

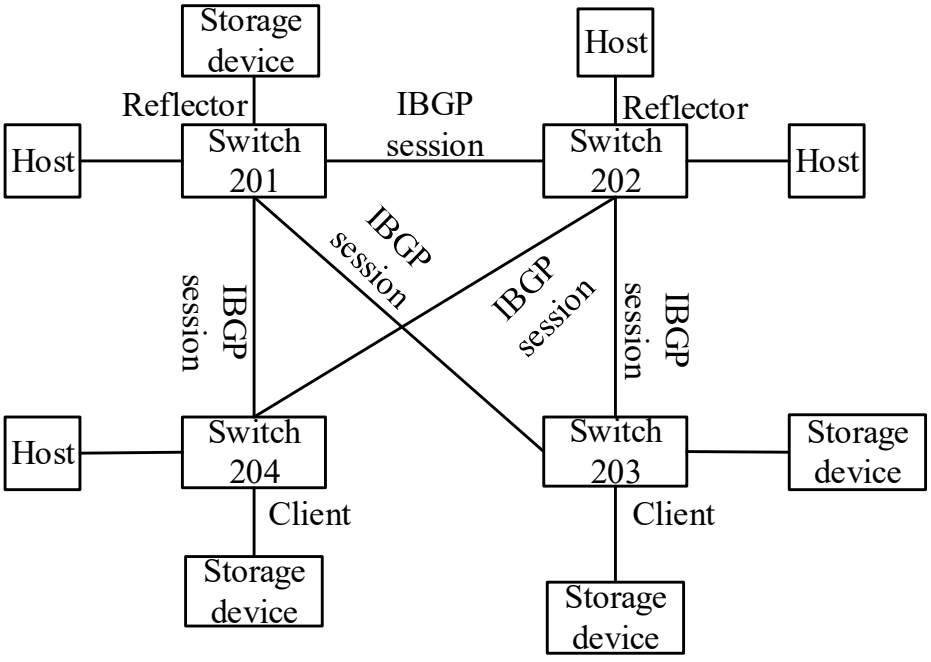

Storage device
Host
Reflector
IBGP session
Reflector
Host
Switch 201
Switch 202
Host
IBGP session
IBGP session
IBGP session
IBGP session
Host
Switch 204
Switch 203
Storage device
Client
Client
Storage device
Storage device

FIG. 6

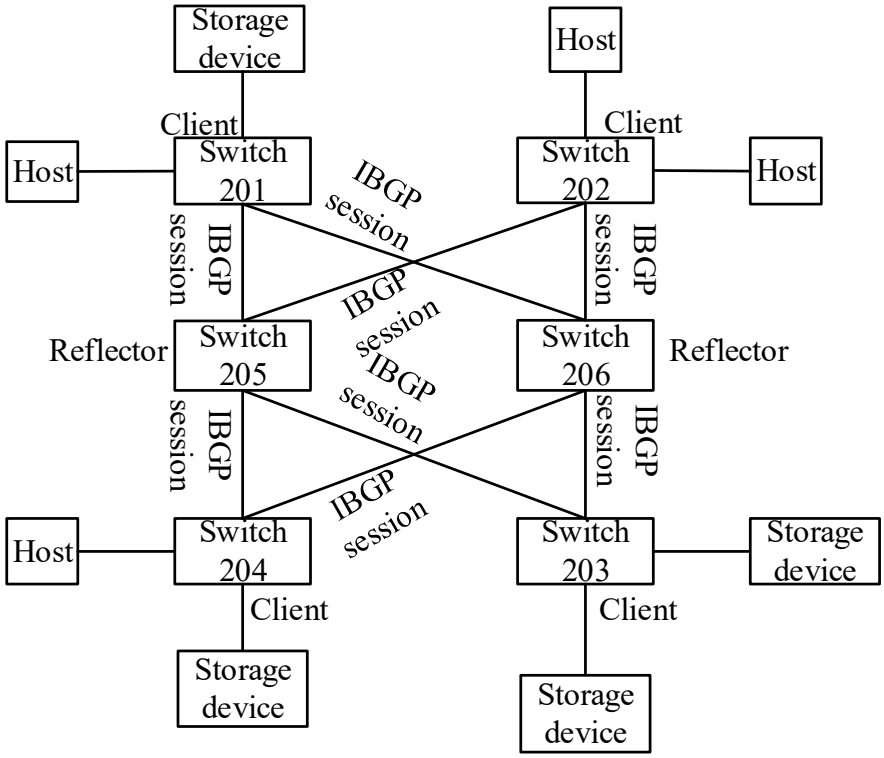

Storage device
Host
Client
Client
Host
Switch 201
Switch 202
Host
IBGP session
IBGP session
IBGP session
IBGP session
IBGP session
IBGP session
Reflector
Switch 205
Switch 206
Reflector
Host
Switch 204
Switch 203
Storage device
Client
Client
Storage device
Storage device

FIG. 7

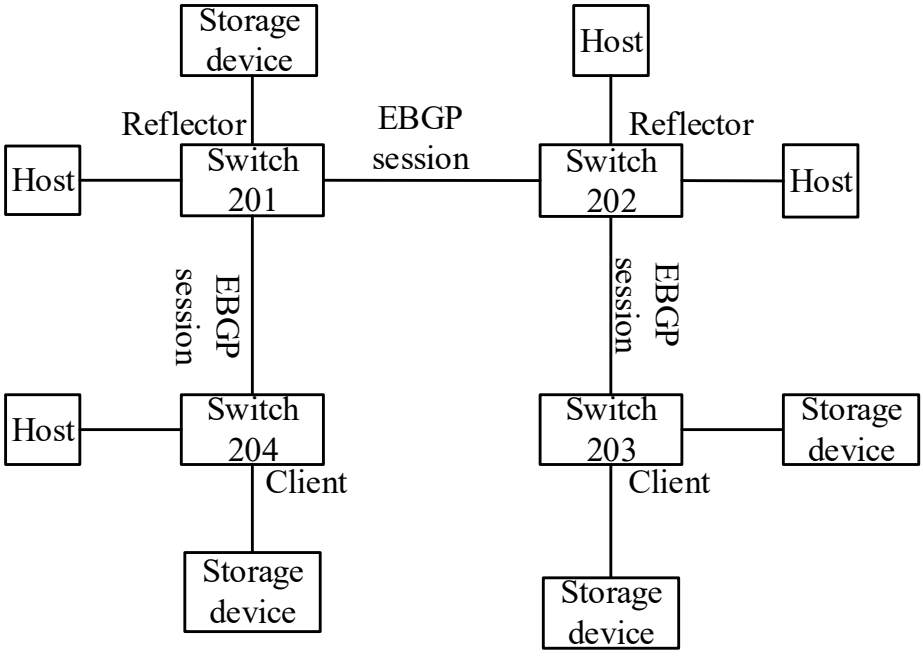

Storage device
Host
Reflector
EBGP session
Reflector
Host
Switch 201
Switch 202
Host
EBGP session
EBGP session
Host
Switch 204
Switch 203
Storage device
Client
Client
Storage device
Storage device

FIG. 8

IP Zone Name	IP Address	Route ID

FIG. 9

MAC Address	Port Name	Route ID

FIG. 10

Route ID	Enable

FIG. 11

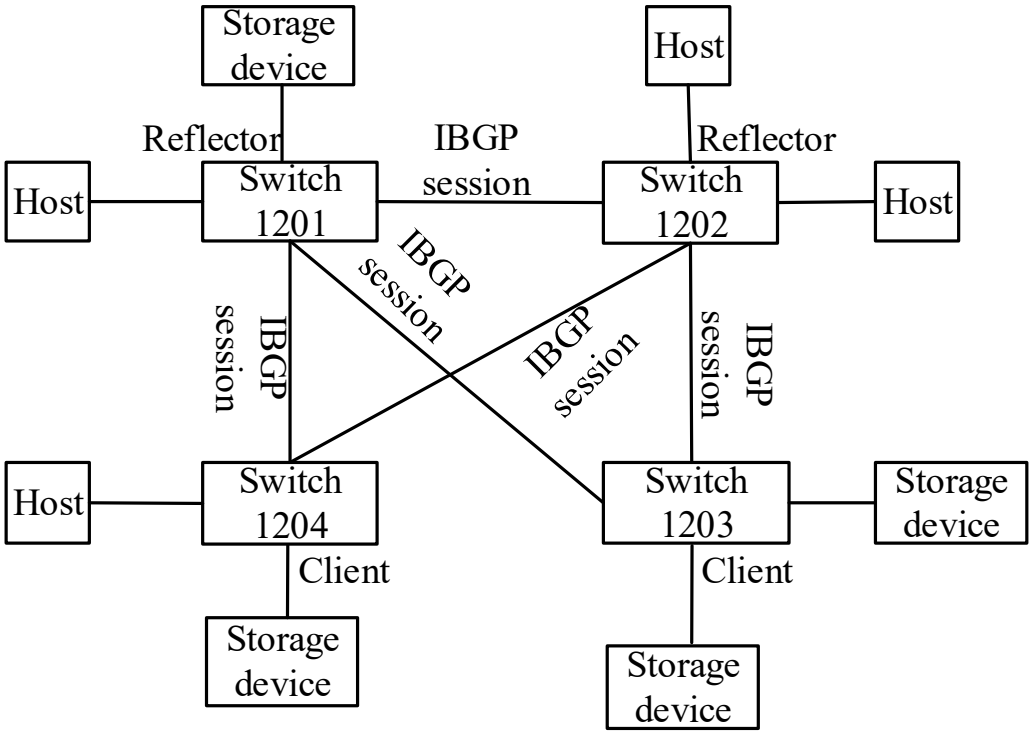
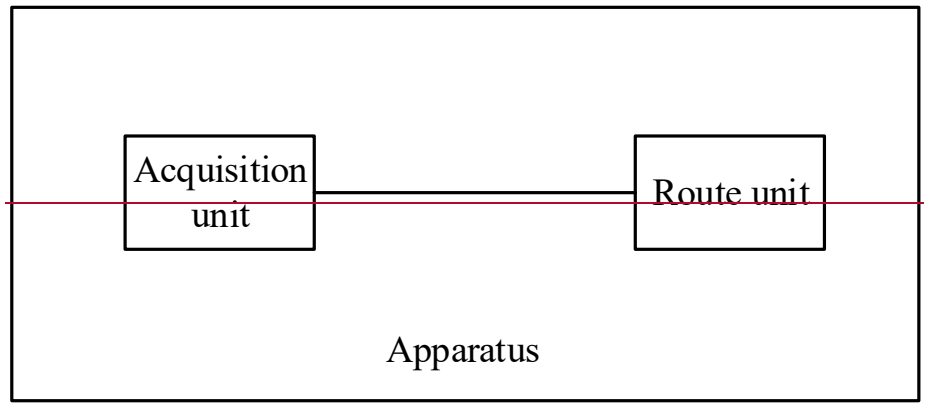

Storage device
Host
Reflector
IBGP session
Reflector
Host
Switch 1201
Switch 1202
Host
IBGP session
IBGP session
IBGP session
IBGP session
Host
Switch 1204
Switch 1203
Storage device
Client
Client
Storage device
Storage device

FIG. 12


Acquisition unit
Route unit
Apparatus

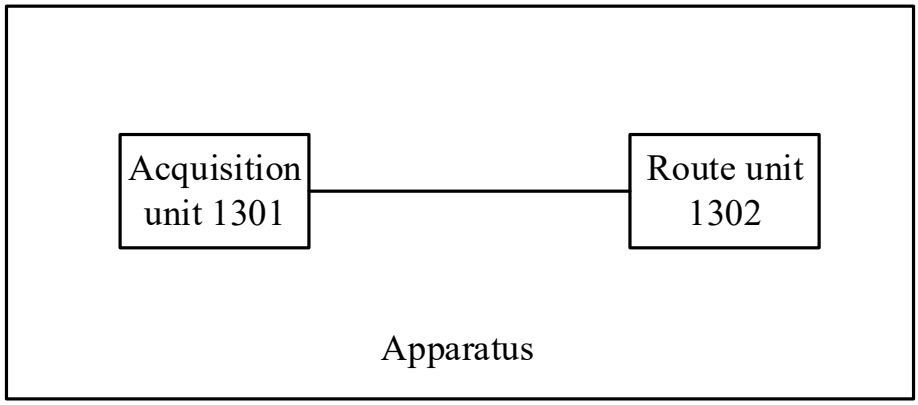
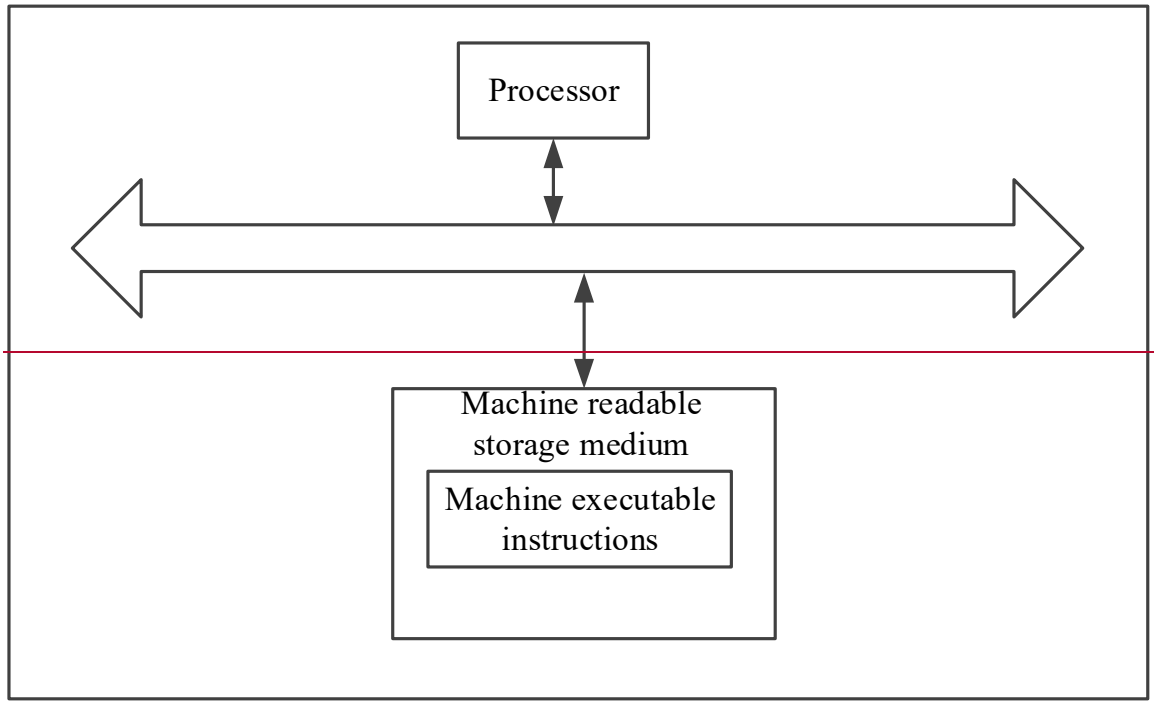

Acquisition unit 1301
Route unit 1302
Apparatus

FIG. 13


Processor
Machine readable storage medium
Machine executable instructions

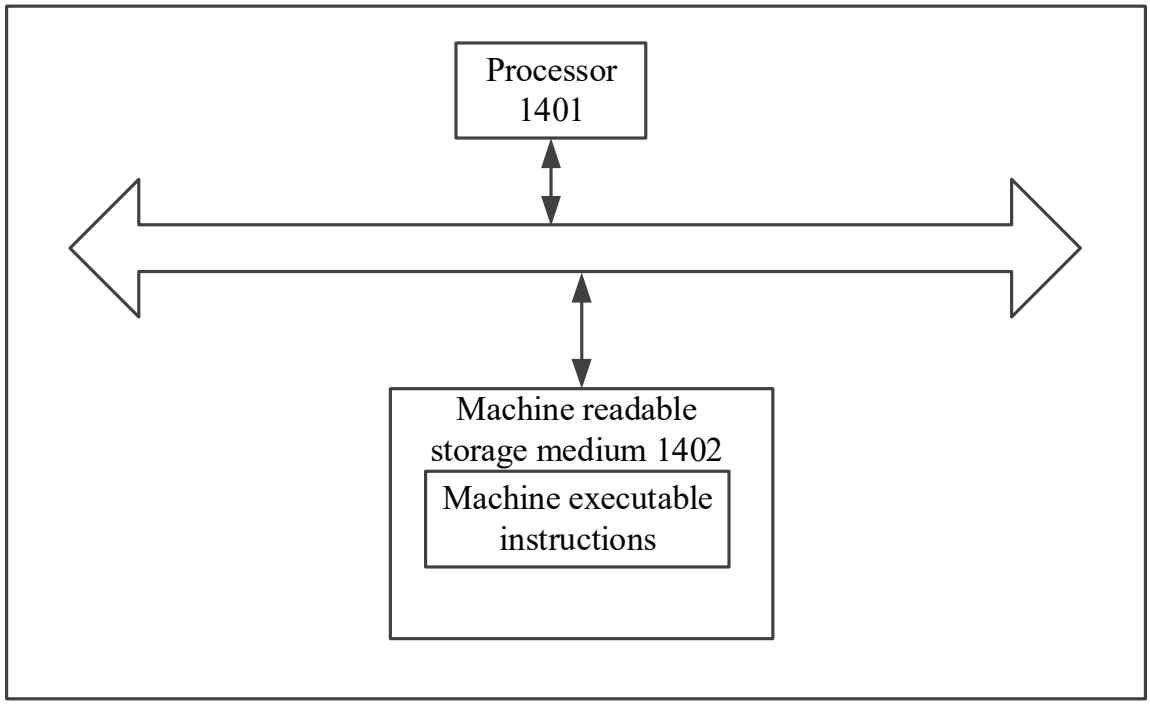

Processor
1401
Machine readable
storage medium 1402
Machine executable
instructions

FIG. 14