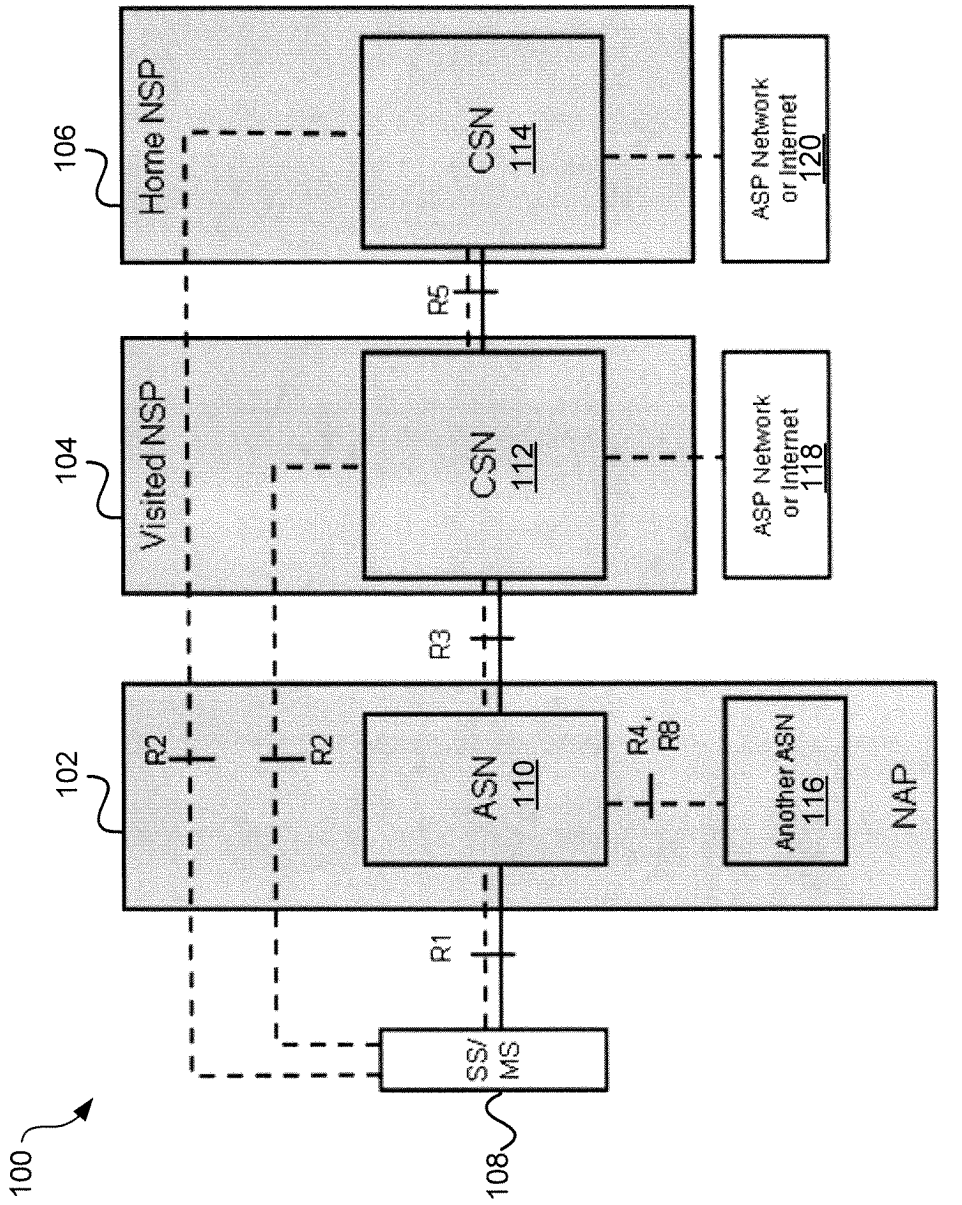


PRIOR ART
FIG. 1

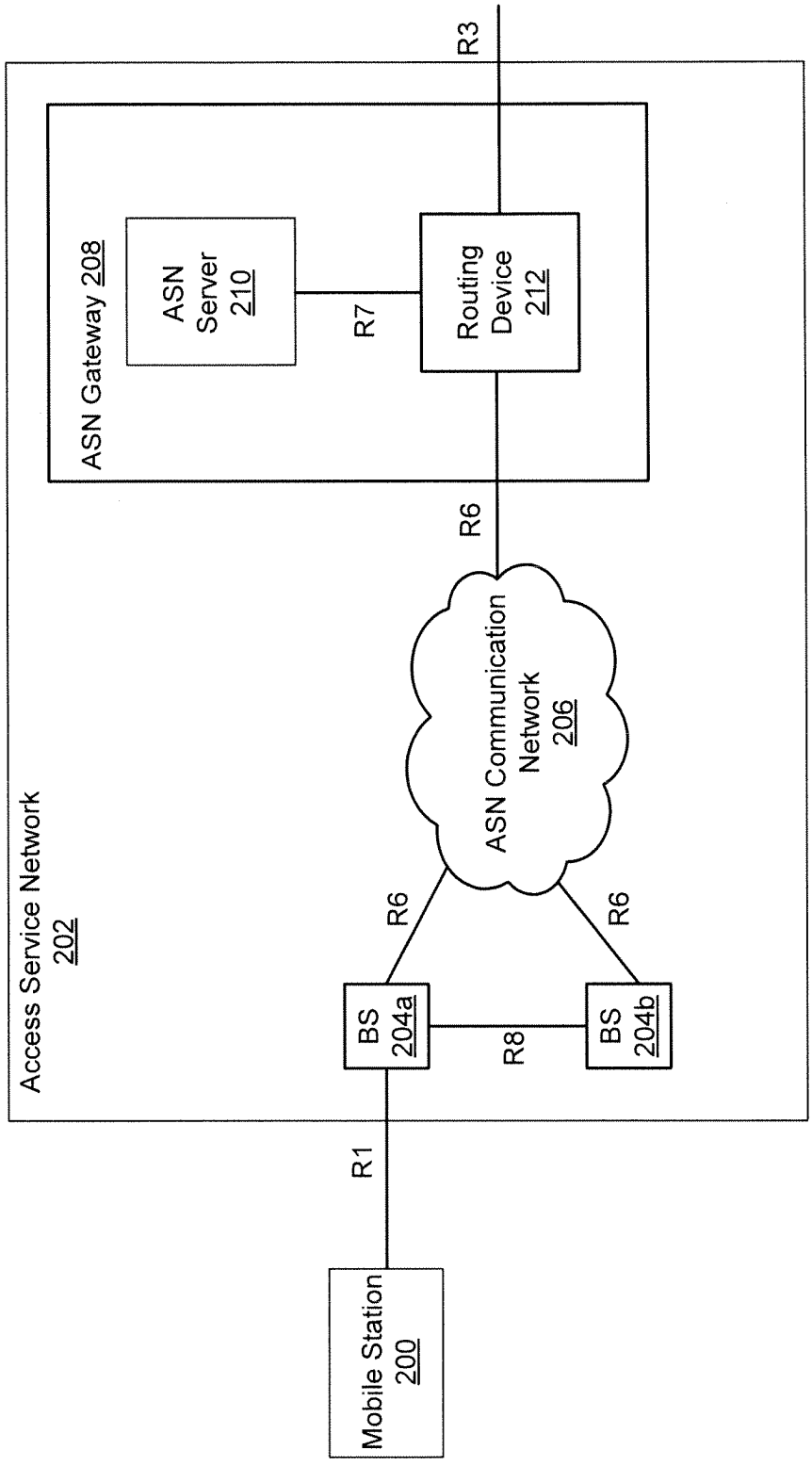

Access Service Network
202
ASN Gateway 208
ASN
Server
210
R7
Routing
Device
212
R3
R6
ASN Communication
Network
206
R6
R6
BS
204a
R8
BS
204b
R1
Mobile Station
200

FIG. 2

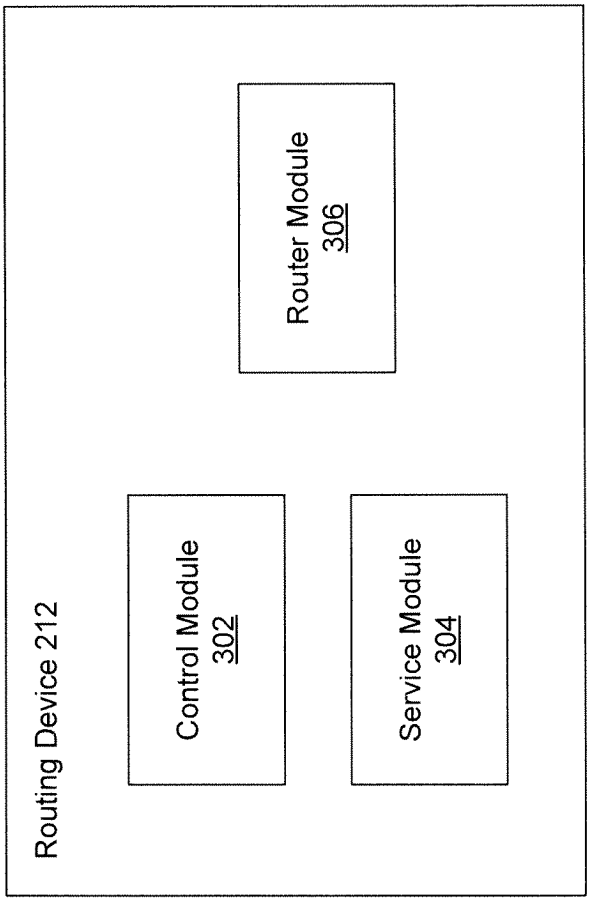

Routing Device 212
Control Module
302
Service Module
304
Router Module
306

FIG. 3

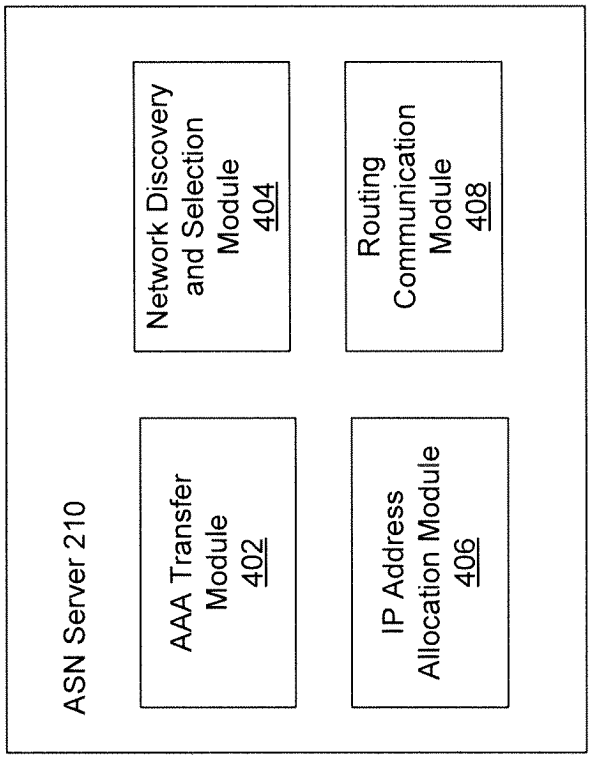

ASN Server 210
AAA Transfer Module 402
Network Discovery and Selection Module 404
IP Address Allocation Module 406
Routing Communication Module 408

FIG. 4

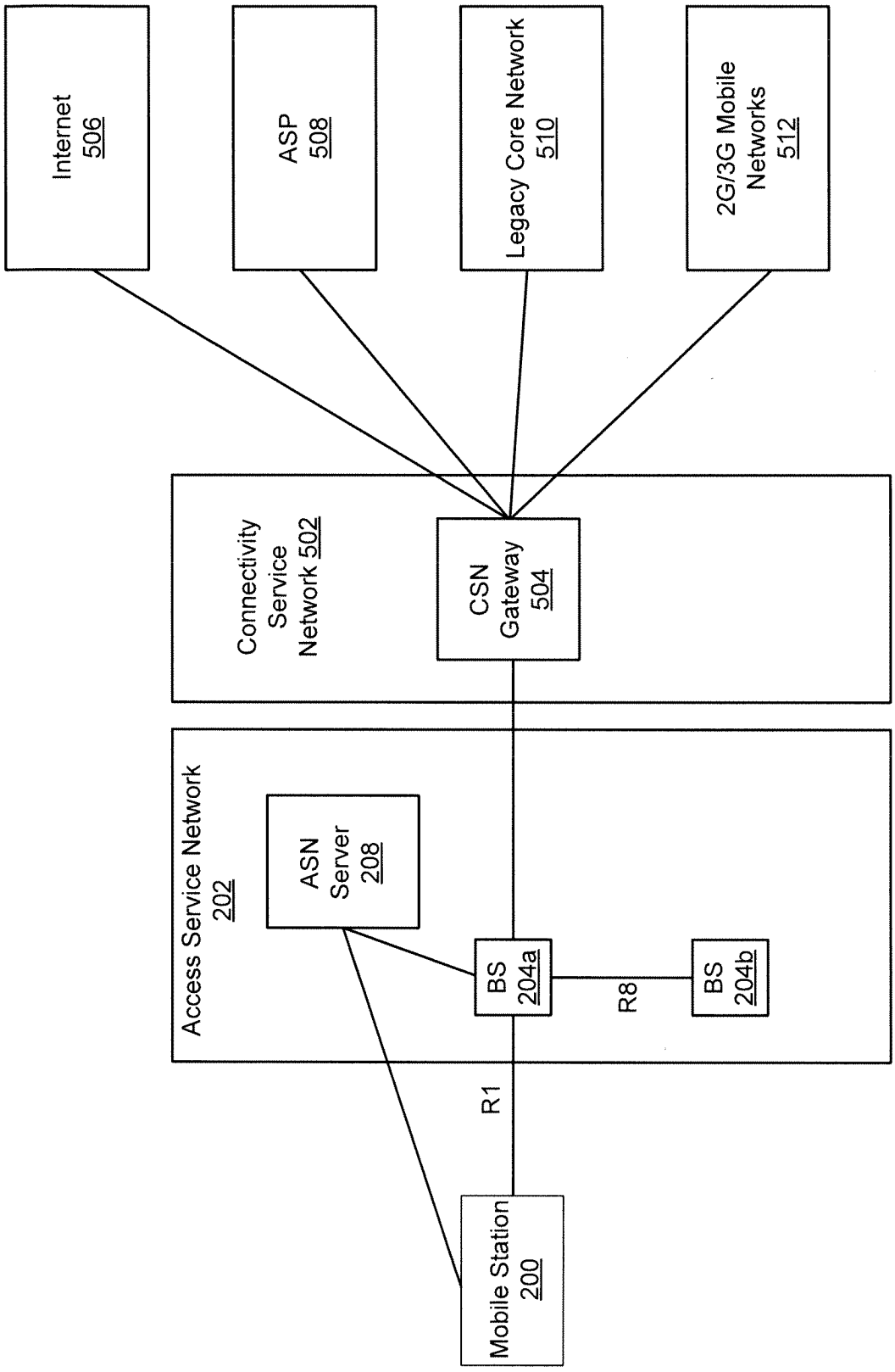

Internet
506
ASP
508
Legacy Core Network
510
2G/3G Mobile
Networks
512
Connectivity
Service
Network 502
CSN
Gateway
504
Access Service Network
202
ASN
Server
208
BS
204a
R8
BS
204b
R1
Mobile Station
200

FIG. 5

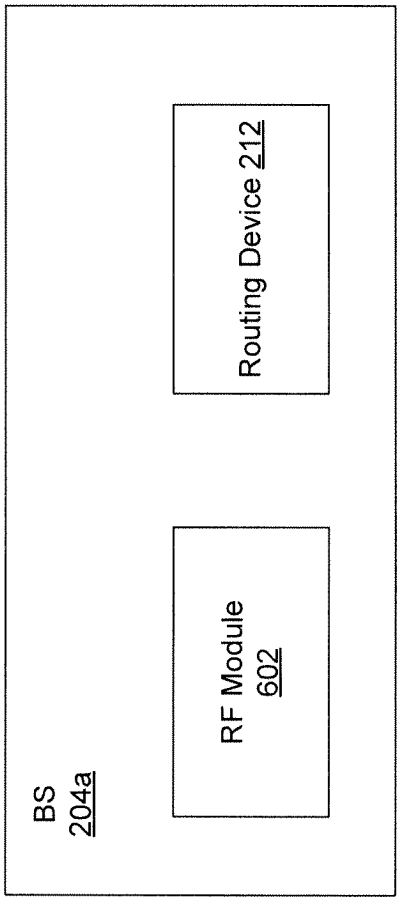


FIG. 6

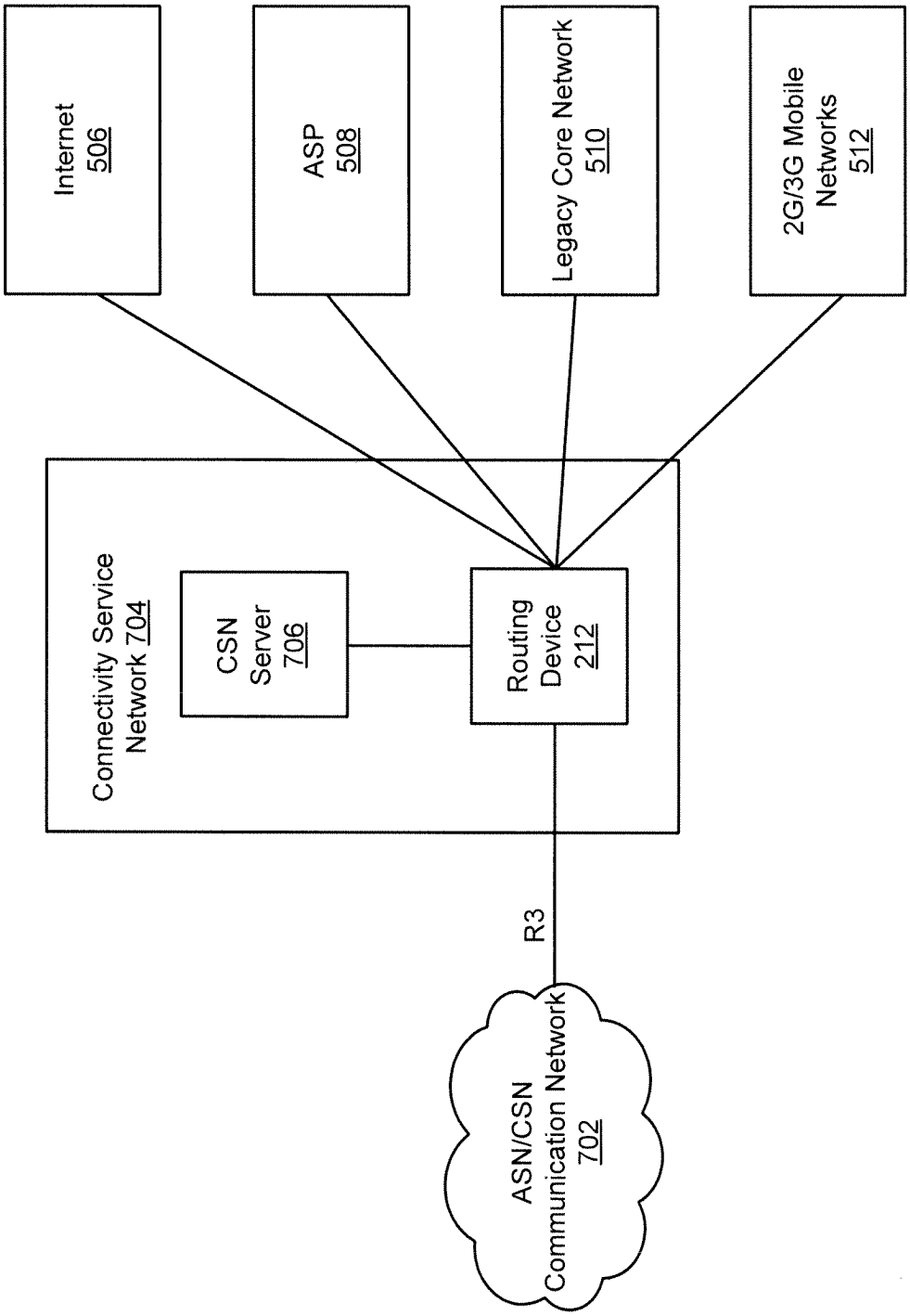

Internet
506
ASP
508
Legacy Core Network
510
2G/3G Mobile
Networks
512
Connectivity Service
Network 704
CSN
Server
706
Routing
Device
212
R3
ASN/CSN
Communication Network
702

FIG. 7

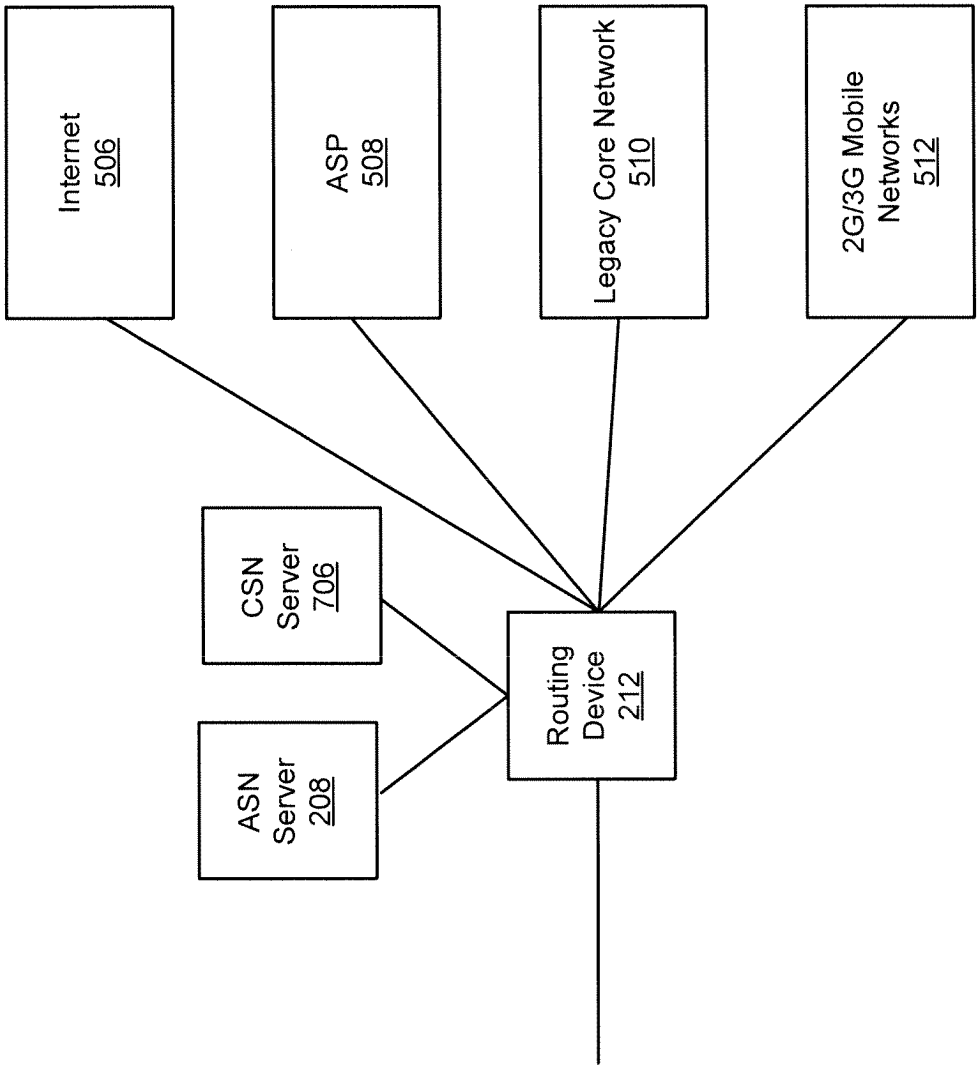

Internet
506
ASP
508
Legacy Core Network
510
2G/3G Mobile Networks
512
CSN Server
706
ASN Server
208
Routing Device
212

FIG. 8

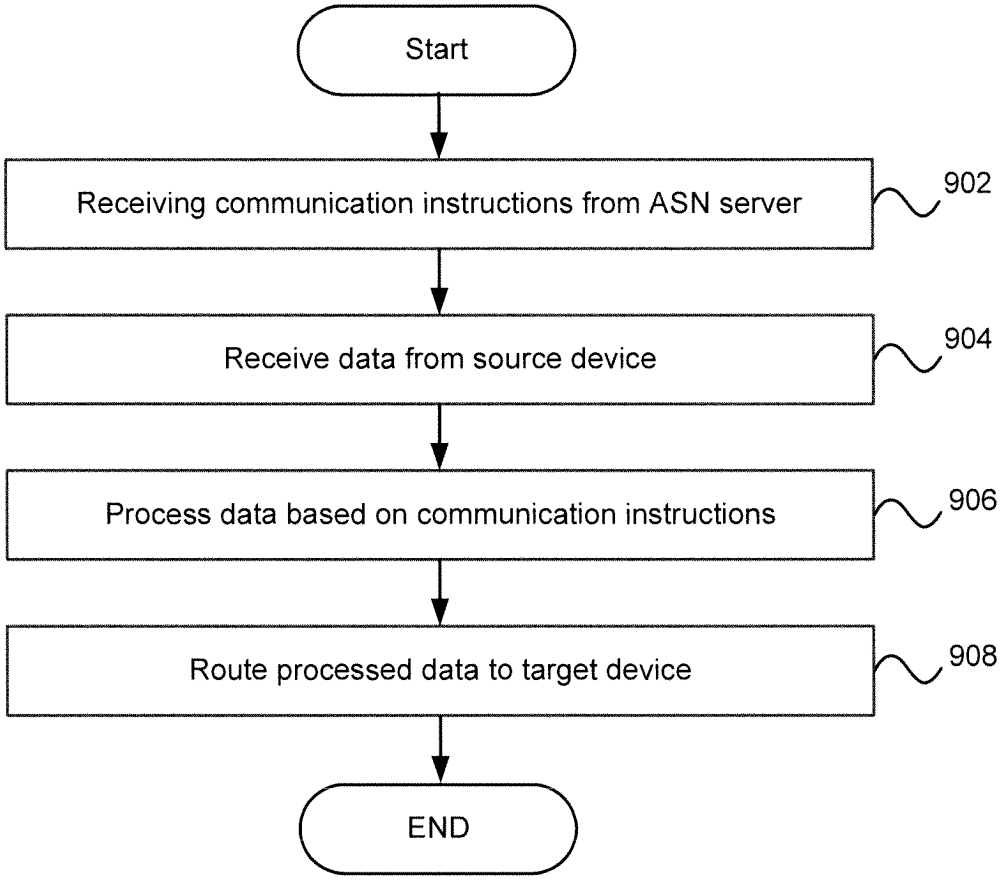

Start
Receiving communication instructions from ASN server
902
Receive data from source device
904
Process data based on communication instructions
906
Route processed data to target device
908
END

FIG. 9

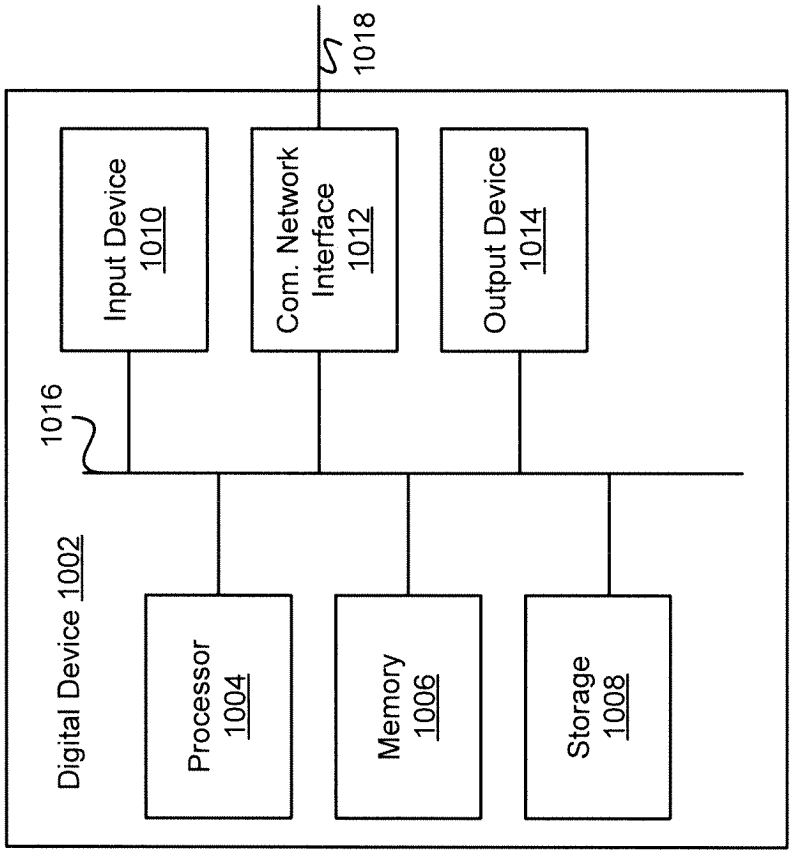

Digital Device 1002
1016
1018
Input Device 1010
Com. Network Interface 1012
Output Device 1014
Processor 1004
Memory 1006
Storage 1008

FIG. 10

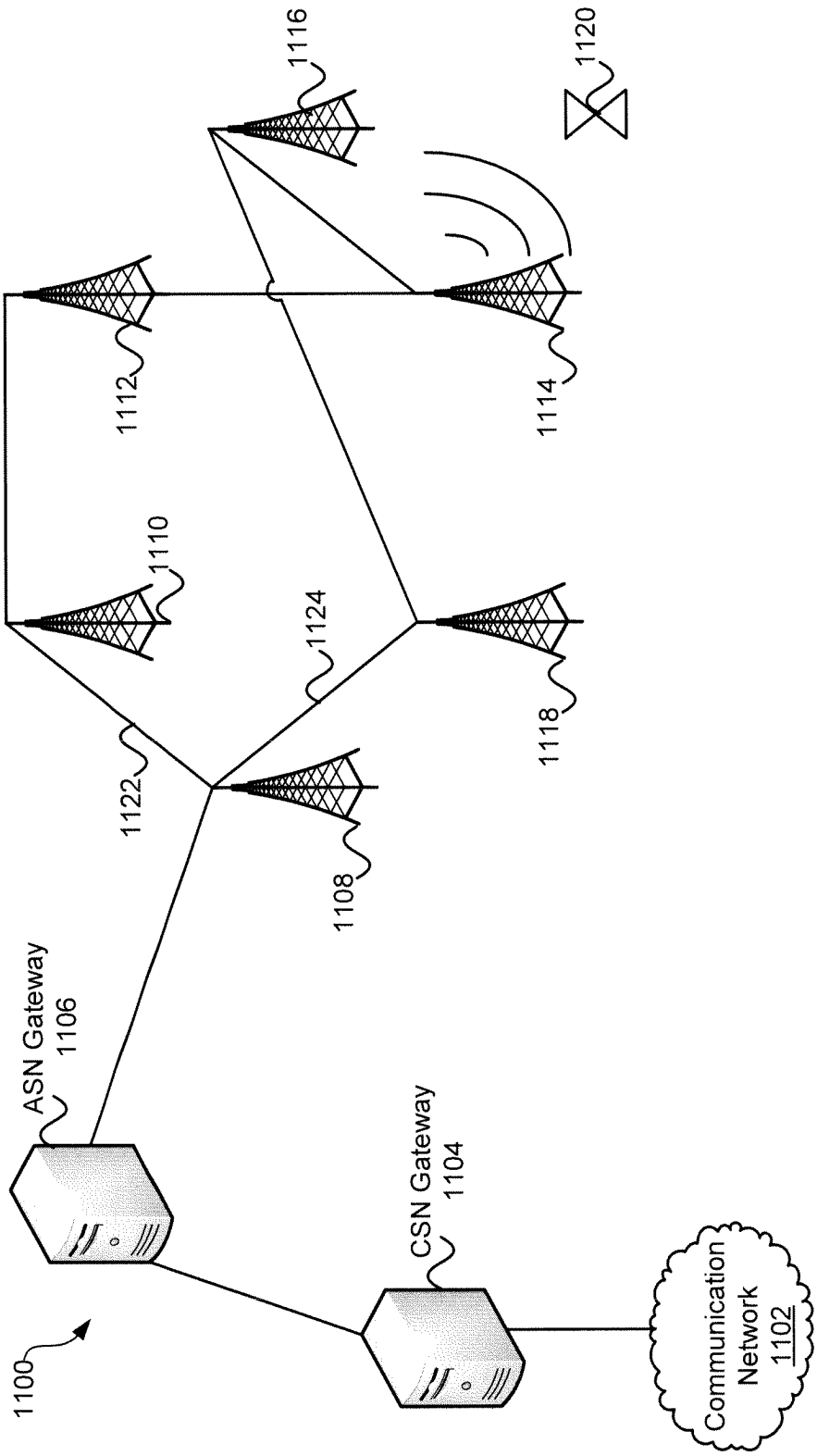

1100
ASN Gateway
1106
CSN Gateway
1104
Communication
Network
1102
1108
1110
1112
1114
1116
1118
1120
1122
1124

FIG. 11

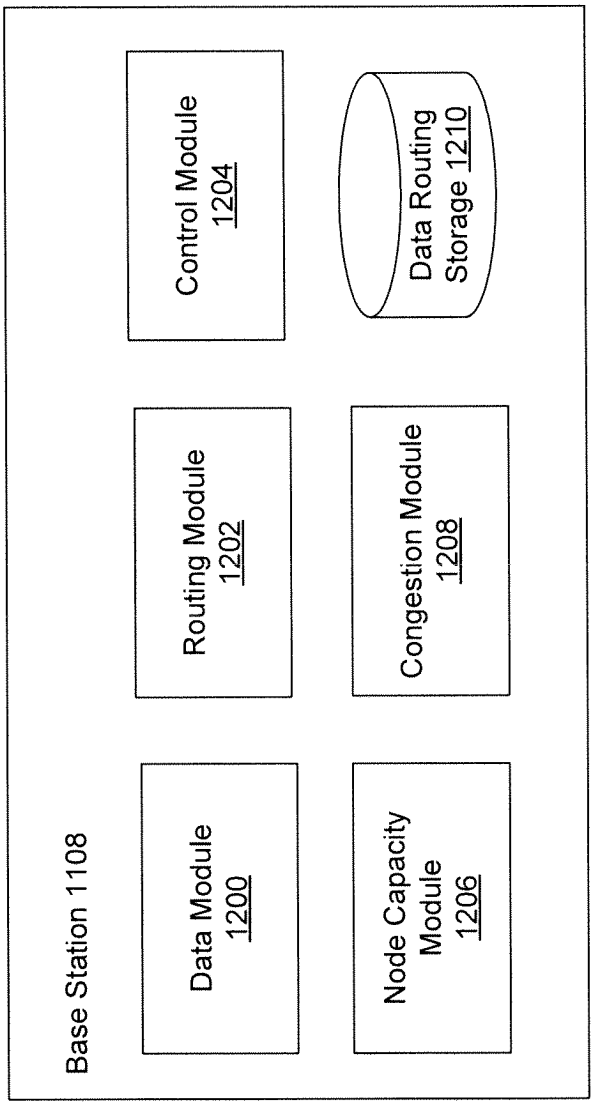

Base Station 1108
Data Module 1200
Routing Module 1202
Node Capacity Module 1206
Congestion Module 1208
Control Module 1204
Data Routing Storage 1210

FIG. 12

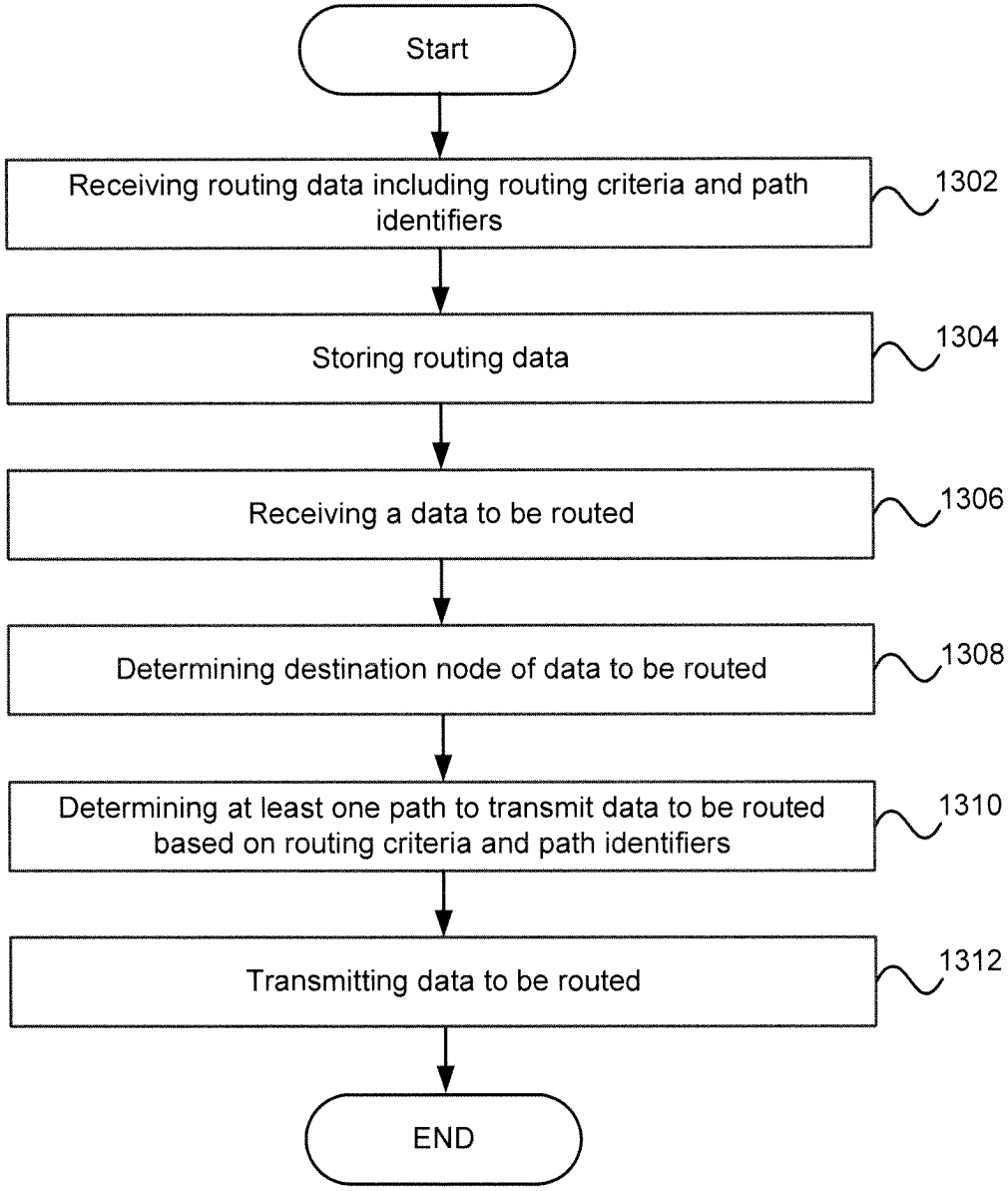

Start
Receiving routing data including routing criteria and path identifiers
1302
Storing routing data
1304
Receiving a data to be routed
1306
Determining destination node of data to be routed
1308
Determining at least one path to transmit data to be routed based on routing criteria and path identifiers
1310
Transmitting data to be routed
1312
END

FIG. 13

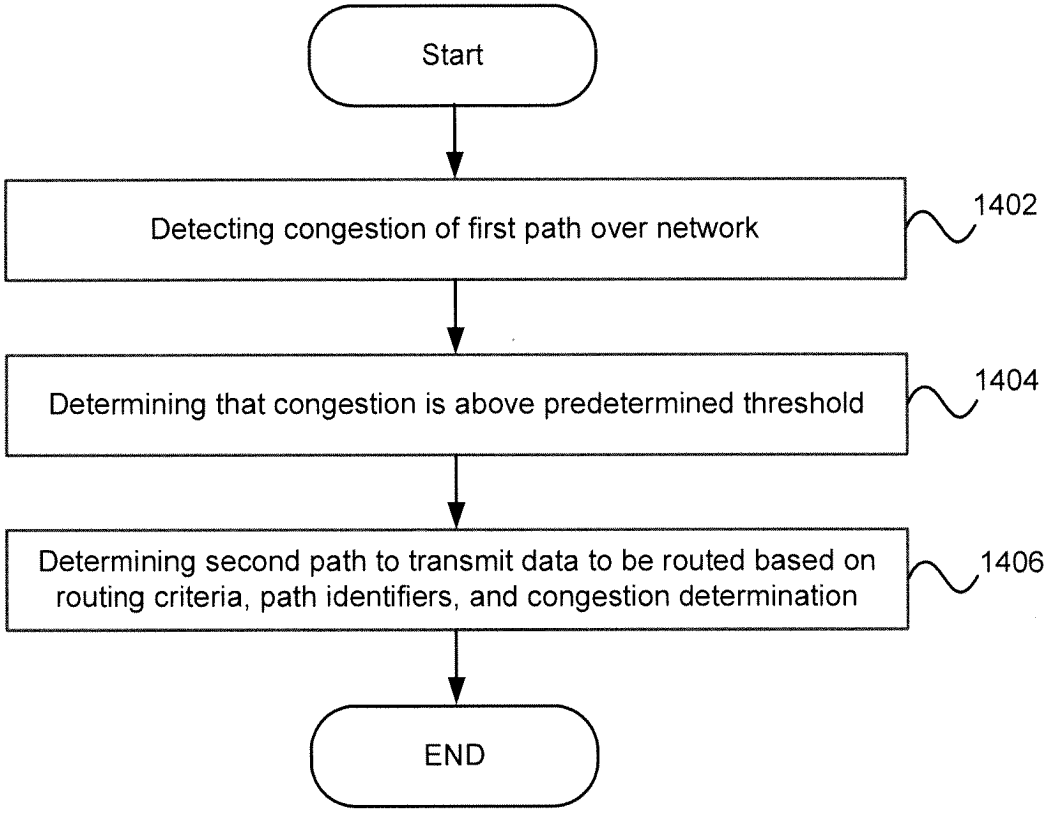

Start
Detecting congestion of first path over network
1402
Determining that congestion is above predetermined threshold
1404
Determining second path to transmit data to be routed based on routing criteria, path identifiers, and congestion determination
1406
END

FIG. 14

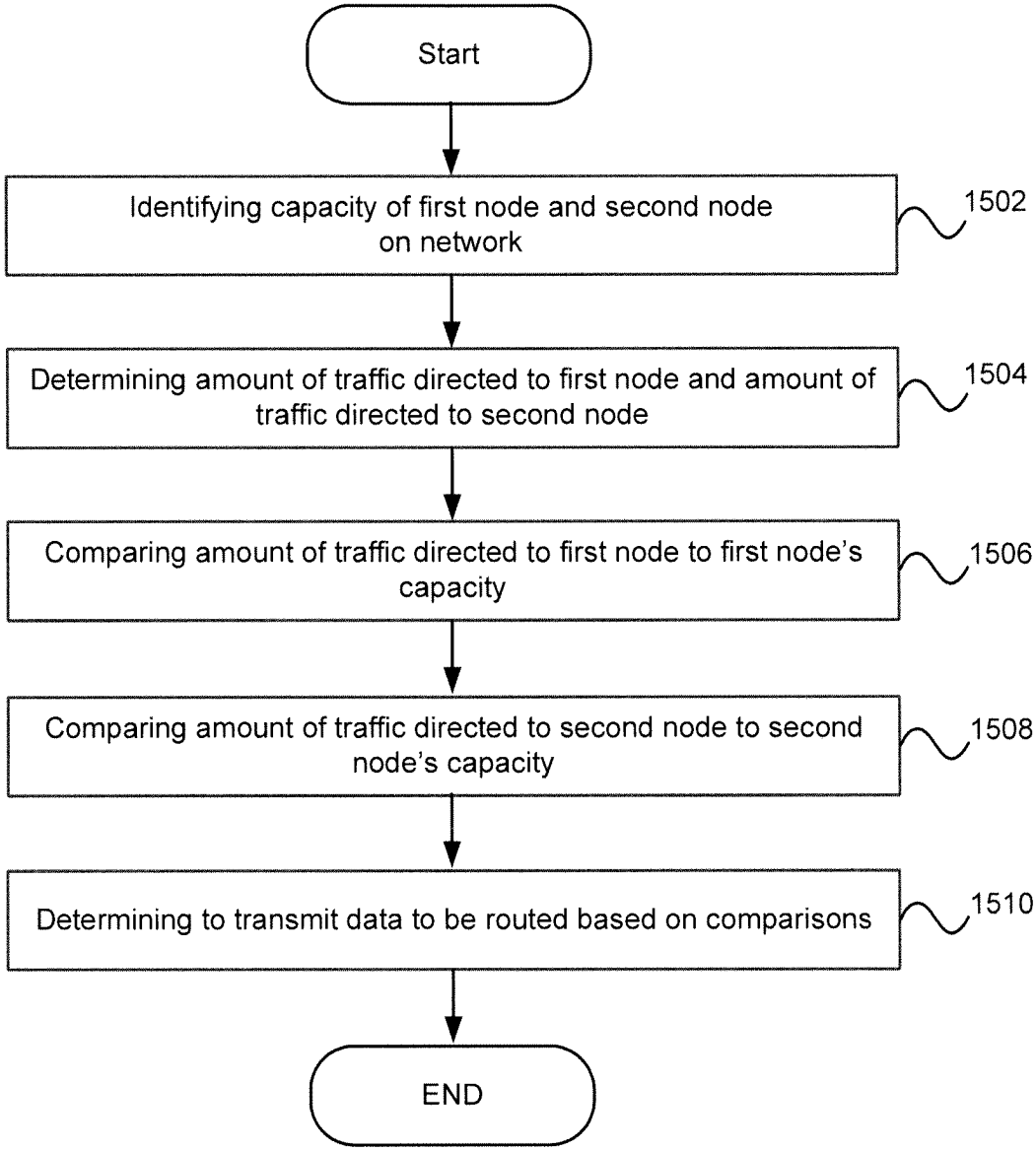

Start
Identifying capacity of first node and second node on network
1502
Determining amount of traffic directed to first node and amount of traffic directed to second node
1504
Comparing amount of traffic directed to first node to first node's capacity
1506
Comparing amount of traffic directed to second node to second node's capacity
1508
Determining to transmit data to be routed based on comparisons
1510
END

FIG. 15