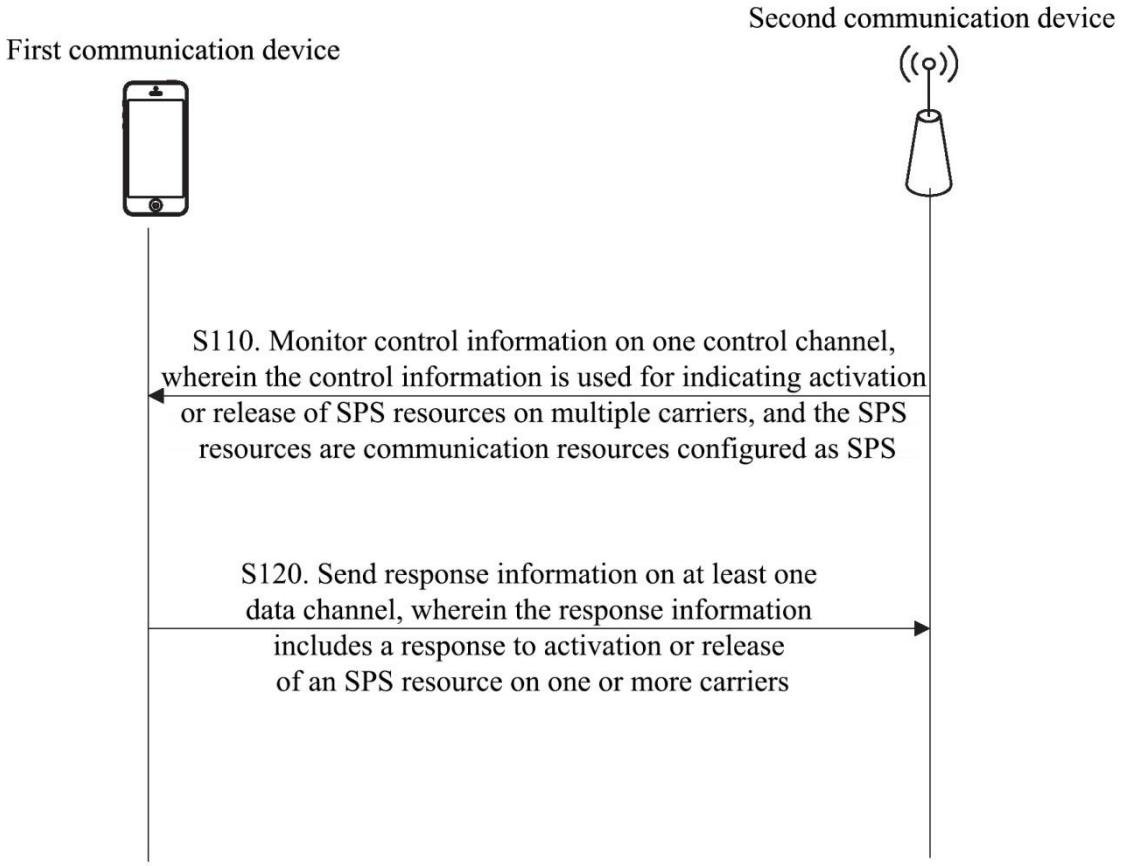

First communication device
Second communication device
S110. Monitor control information on one control channel, wherein the control information is used for indicating activation or release of SPS resources on multiple carriers, and the SPS resources are communication resources configured as SPS
S120. Send response information on at least one data channel, wherein the response information includes a response to activation or release of an SPS resource on one or more carriers

FIG. 1

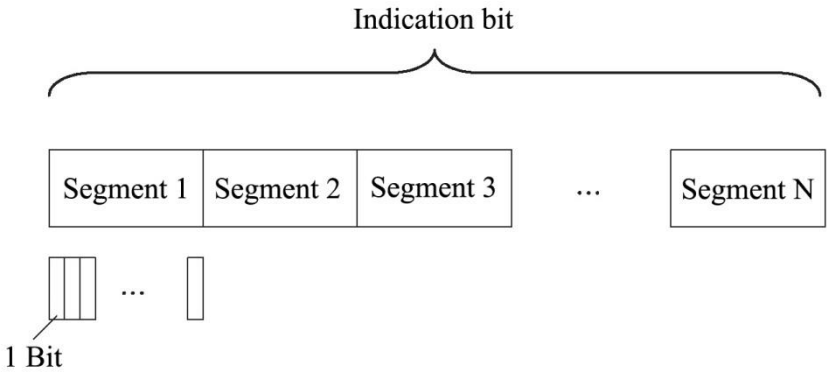

Indication bit
Segment 1
Segment 2
Segment 3
...
Segment N
...
1 Bit

FIG. 2

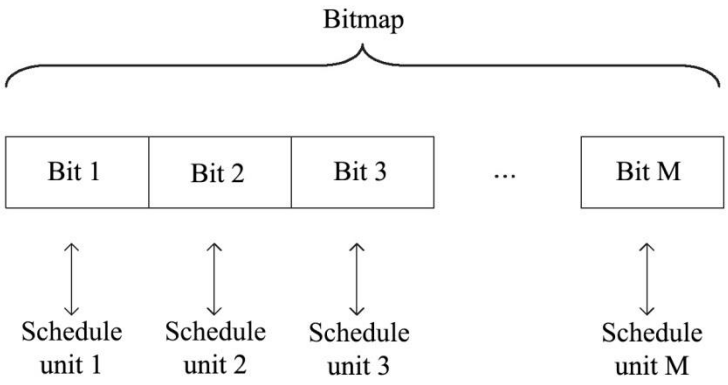

Bitmap
Bit 1
Bit 2
Bit 3
...
Bit M
Schedule unit 1
Schedule unit 2
Schedule unit 3
Schedule unit M

FIG. 3

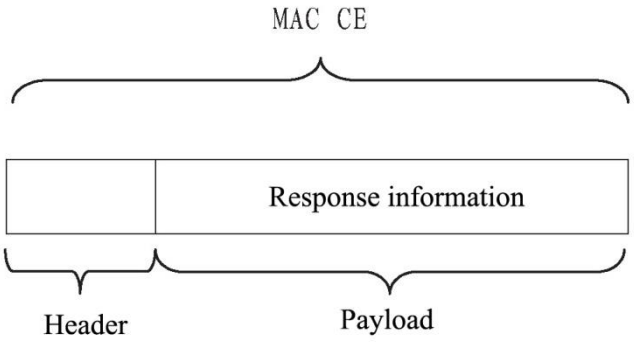

MAC CE
Response information
Header
Payload

FIG. 4

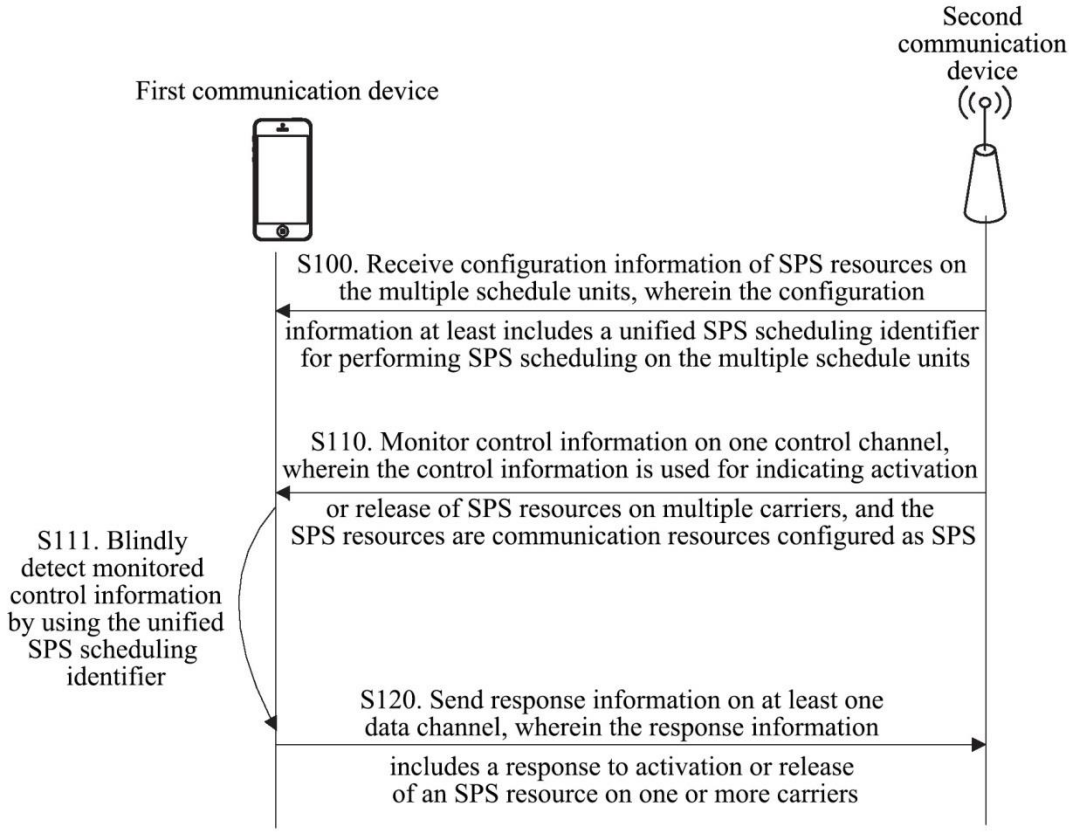

First communication device
Second communication device
S100. Receive configuration information of SPS resources on the multiple schedule units, wherein the configuration information at least includes a unified SPS scheduling identifier for performing SPS scheduling on the multiple schedule units
S110. Monitor control information on one control channel, wherein the control information is used for indicating activation or release of SPS resources on multiple carriers, and the SPS resources are communication resources configured as SPS
S111. Blindly detect monitored control information by using the unified SPS scheduling identifier
S120. Send response information on at least one data channel, wherein the response information includes a response to activation or release of an SPS resource on one or more carriers

FIG. 5

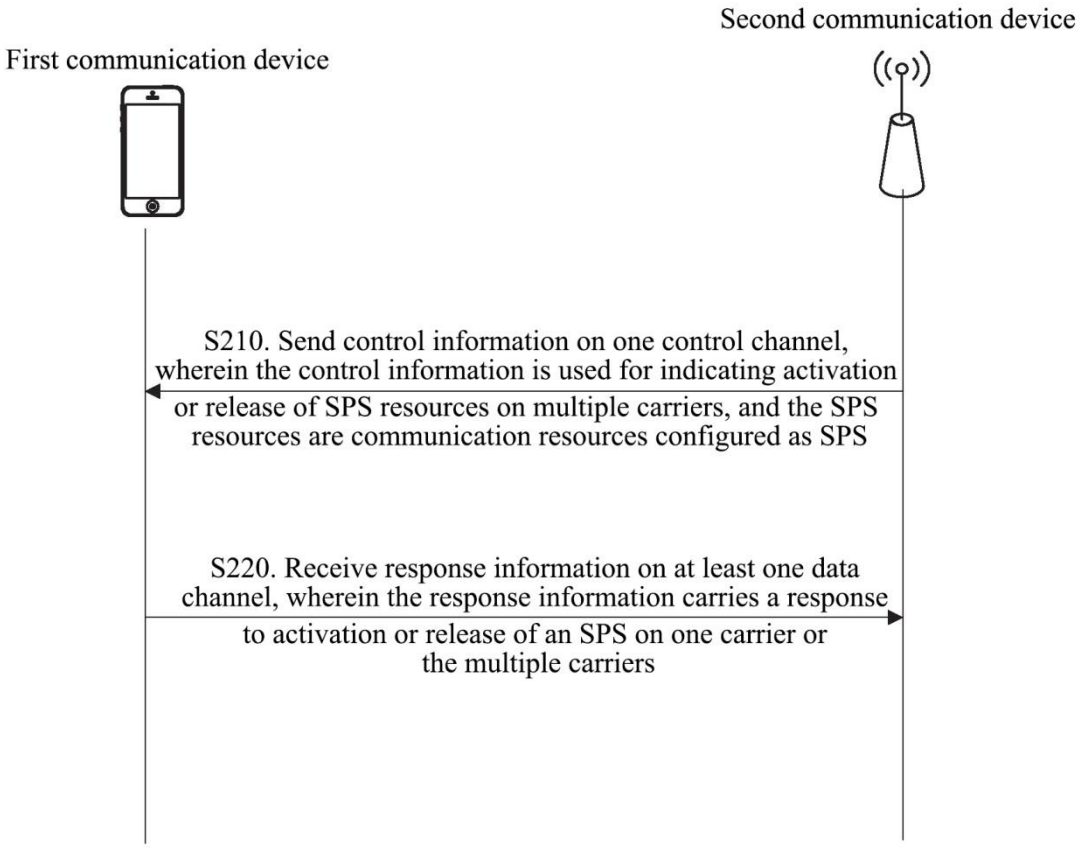

First communication device
Second communication device
S210. Send control information on one control channel, wherein the control information is used for indicating activation or release of SPS resources on multiple carriers, and the SPS resources are communication resources configured as SPS
S220. Receive response information on at least one data channel, wherein the response information carries a response to activation or release of an SPS on one carrier or the multiple carriers

FIG. 6

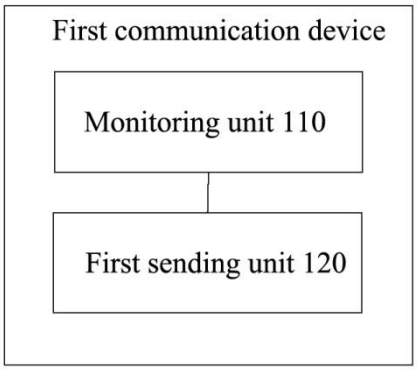

First communication device
Monitoring unit 110
First sending unit 120

FIG. 7

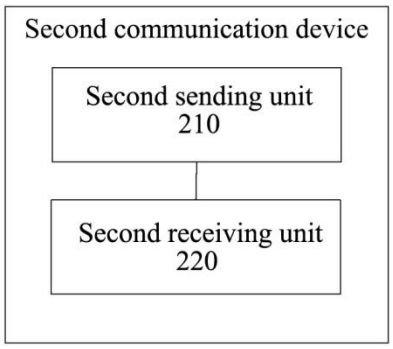

Second communication device
Second sending unit 210
Second receiving unit 220

FIG. 8

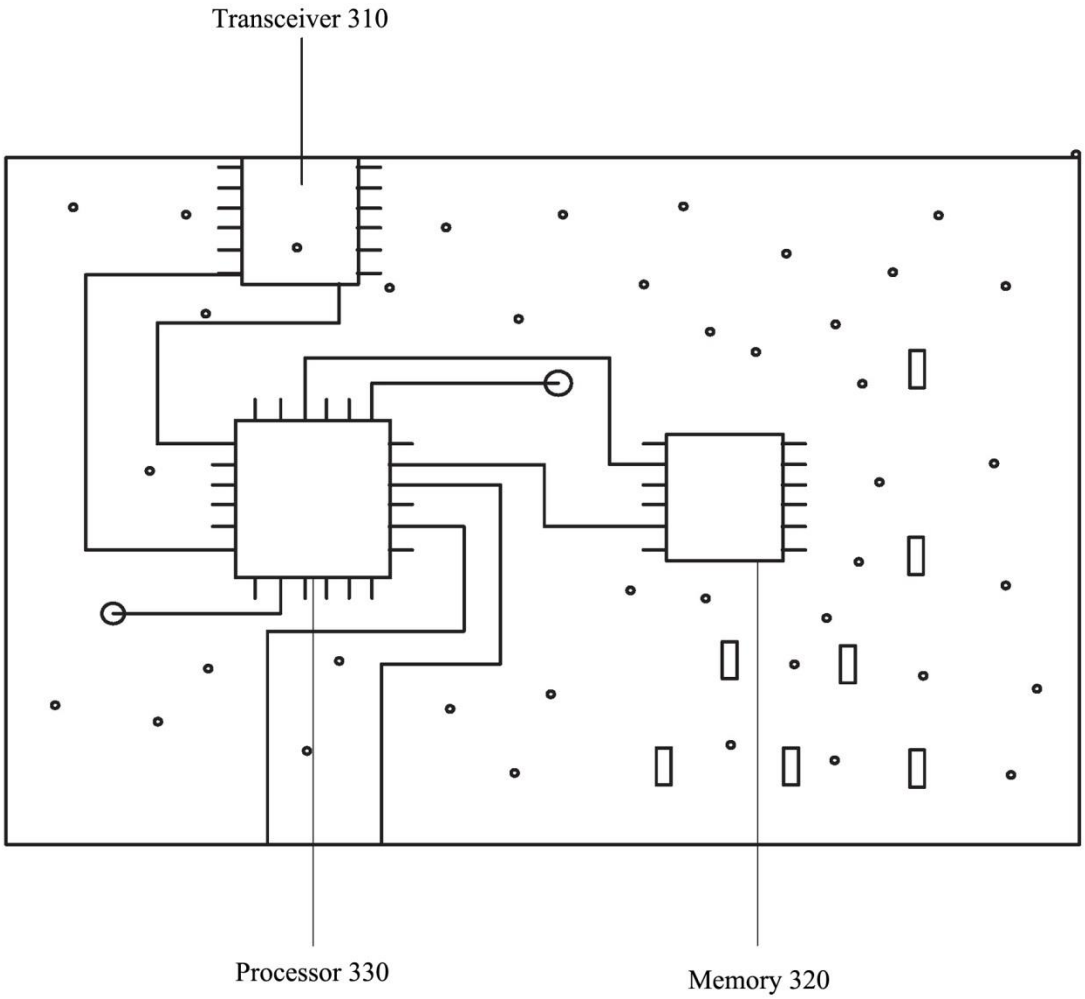

Transceiver 310
Processor 330
Memory 320

FIG. 9