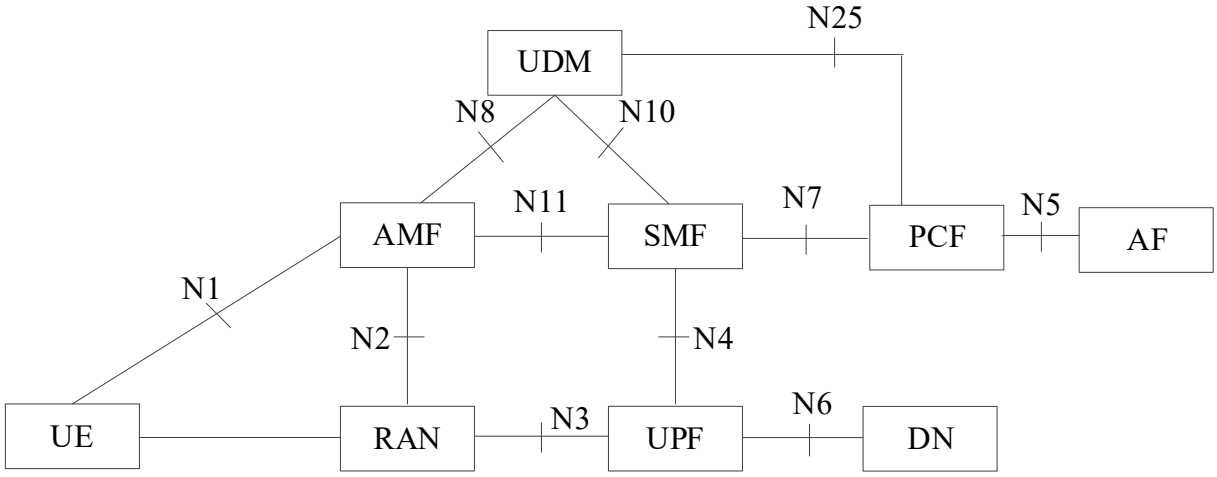

UDM
N25
N8
N10
AMF
N11
SMF
N7
PCF
N5
AF
N1
N2
N4
UE
RAN
N3
UPF
N6
DN

FIG. 1

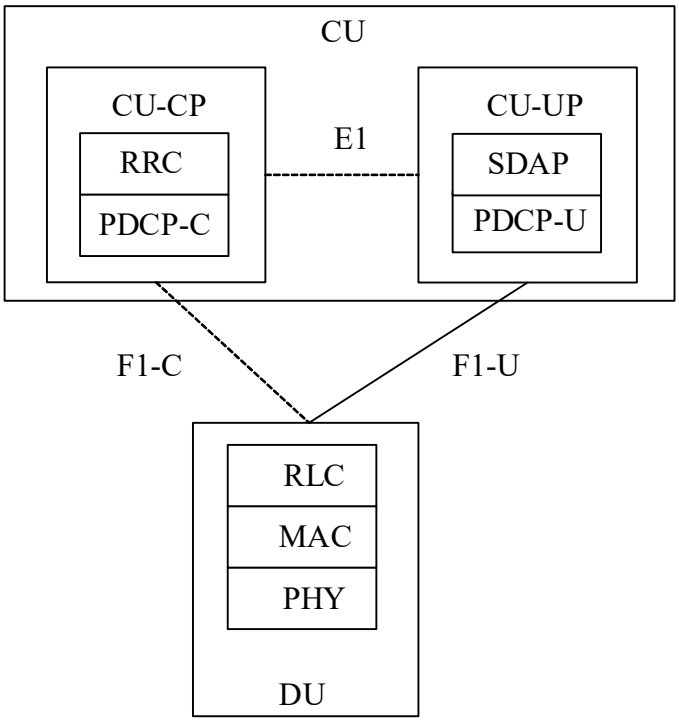

CU
CU-CP
RRC
PDCP-C
E1
CU-UP
SDAP
PDCP-U
F1-C
F1-U
RLC
MAC
PHY
DU

FIG. 2

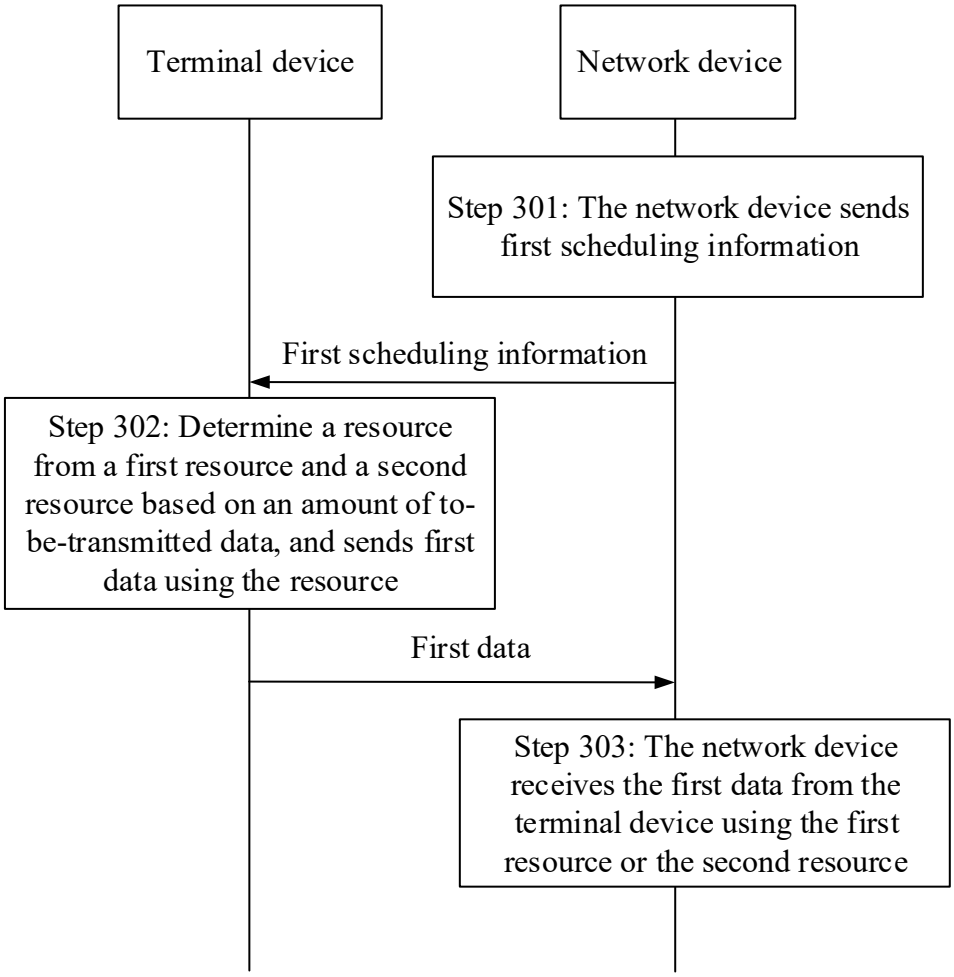
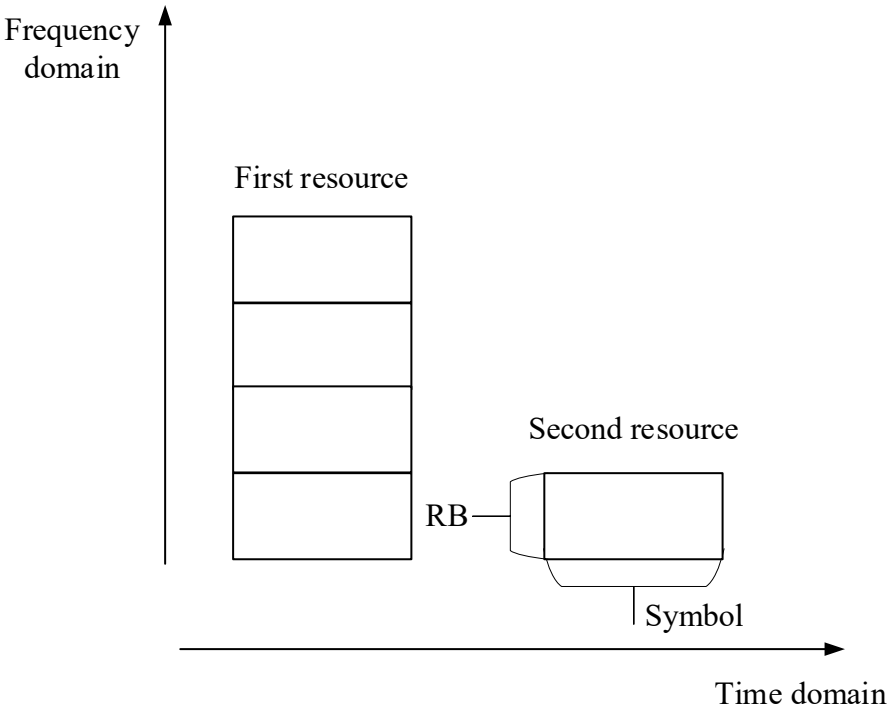

Terminal device
Network device
Step 301: The network device sends first scheduling information
First scheduling information
Step 302: Determine a resource from a first resource and a second resource based on an amount of to-be-transmitted data, and sends first data using the resource
First data
Step 303: The network device receives the first data from the terminal device using the first resource or the second resource

FIG. 3


Frequency domain
First resource
Second resource
RB
Symbol
Time domain

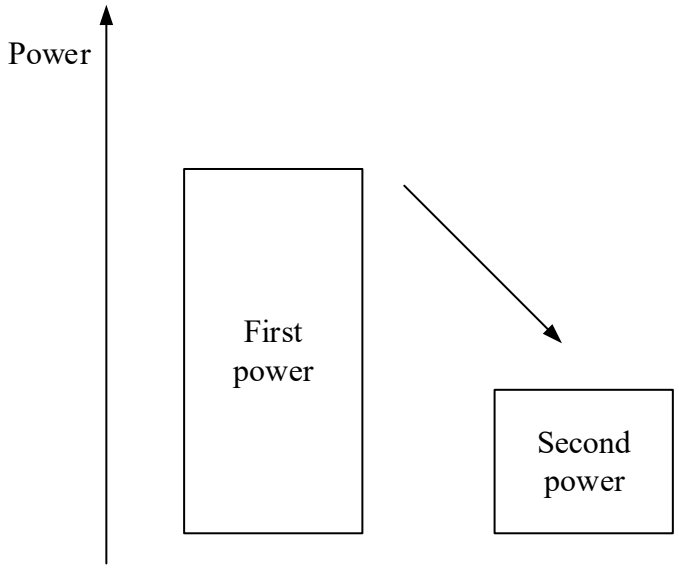

Power
First power
Second power

FIG. 4

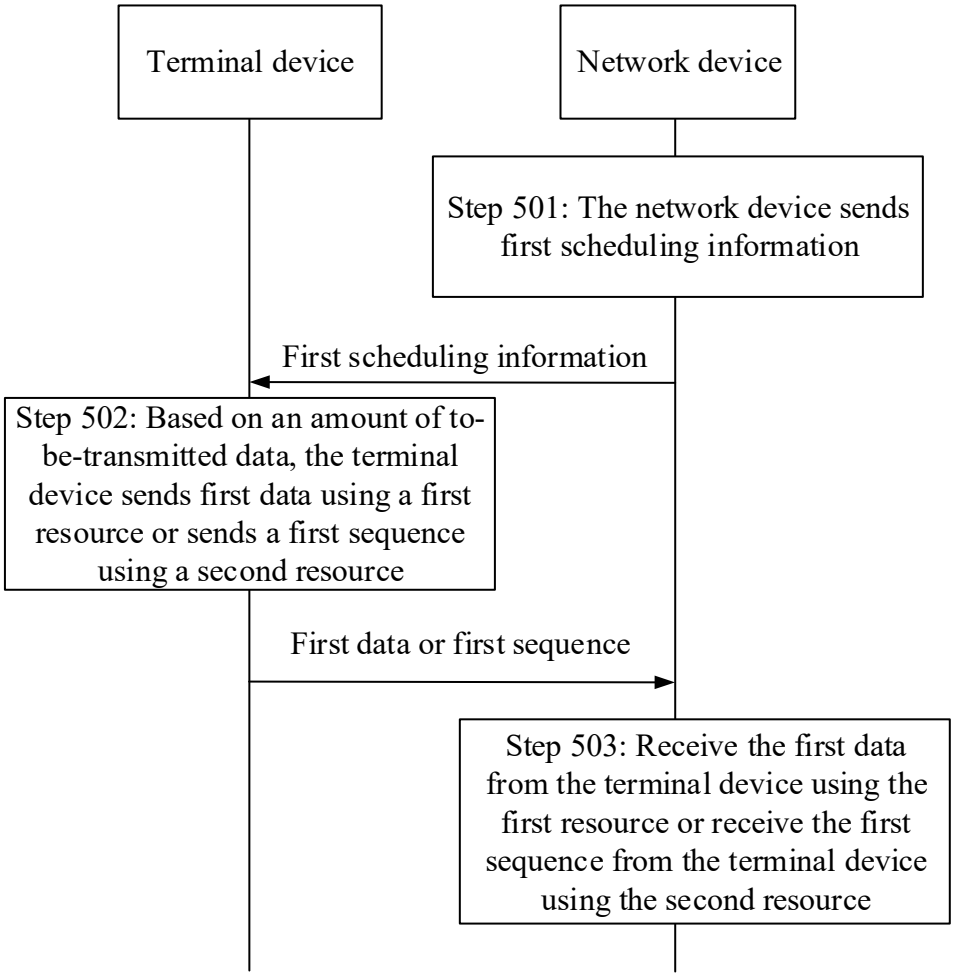

Terminal device
Network device
Step 501: The network device sends first scheduling information
First scheduling information
Step 502: Based on an amount of to-be-transmitted data, the terminal device sends first data using a first resource or sends a first sequence using a second resource
First data or first sequence
Step 503: Receive the first data from the terminal device using the first resource or receive the first sequence from the terminal device using the second resource

FIG. 5

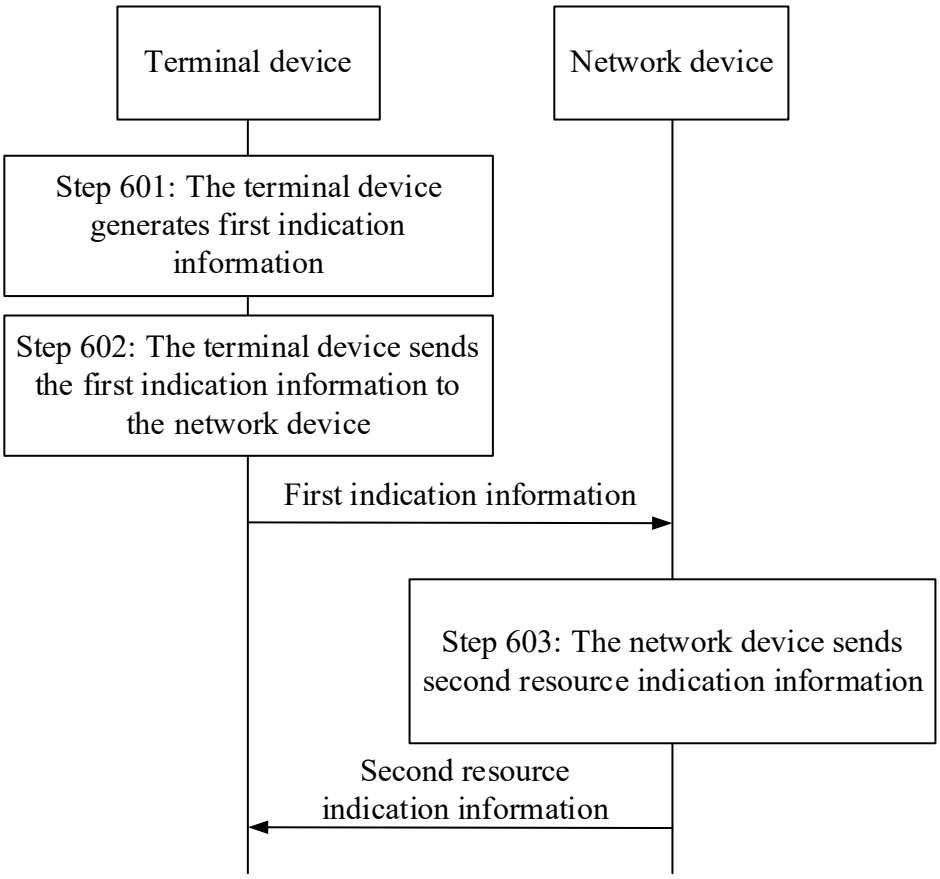

Terminal device
Network device
Step 601: The terminal device generates first indication information
Step 602: The terminal device sends the first indication information to the network device
First indication information
Step 603: The network device sends second resource indication information
Second resource indication information

FIG. 6

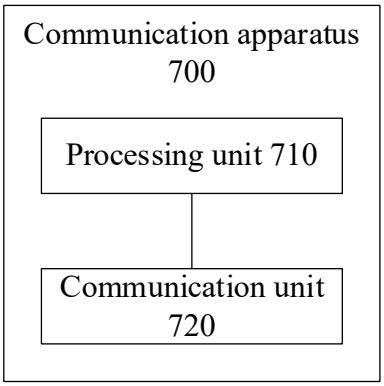

Communication apparatus 700
Processing unit 710
Communication unit 720

FIG. 7

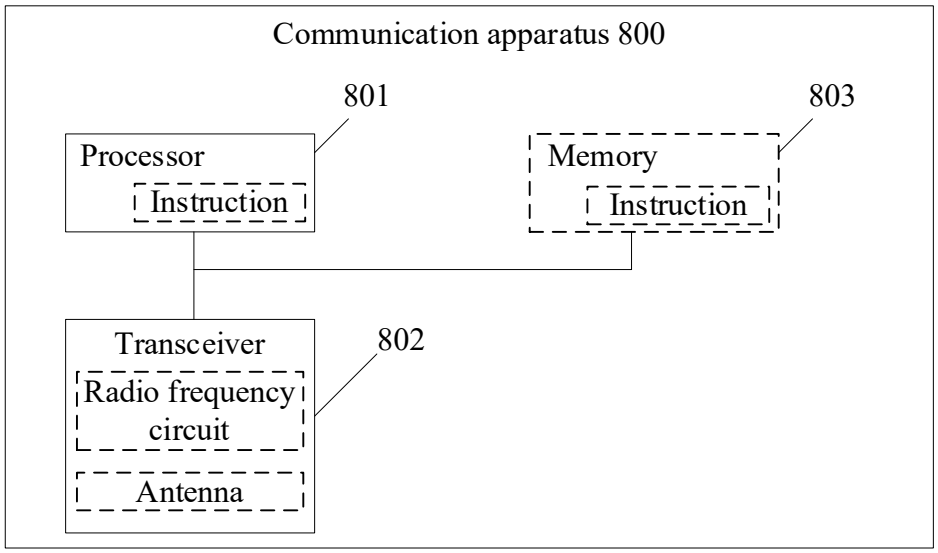

Communication apparatus 800
801
803
Processor
Instruction
Memory
Instruction
Transceiver
802
Radio frequency circuit
Antenna

FIG. 8

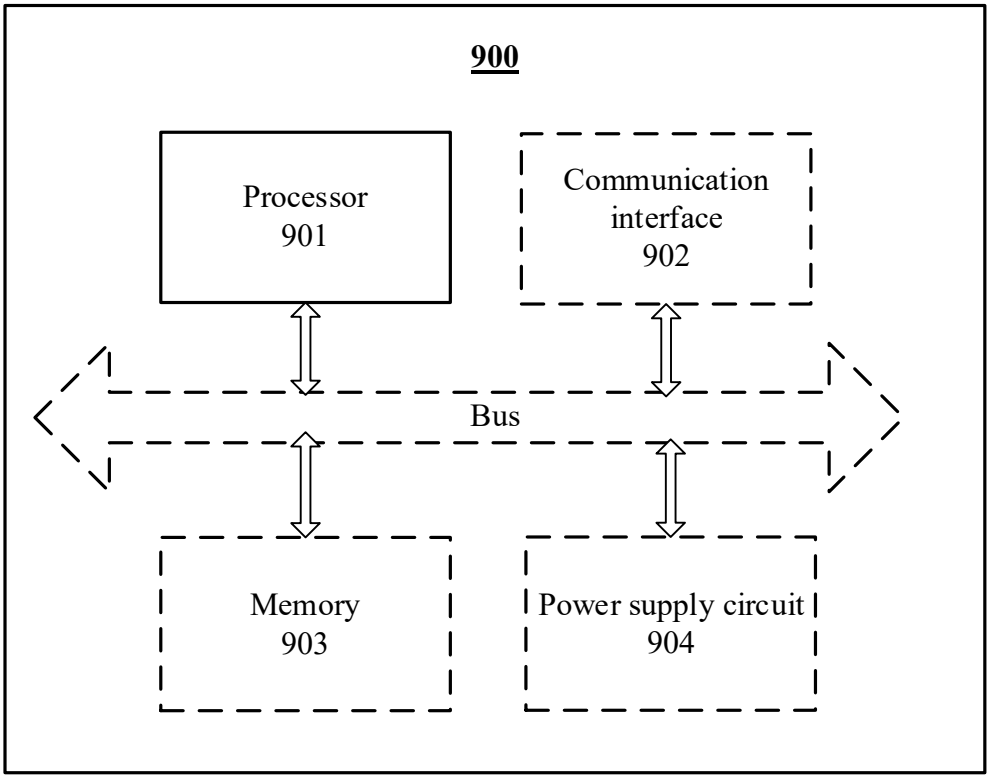

900
Processor
901
Communication interface
902
Bus
Memory
903
Power supply circuit
904

FIG. 9