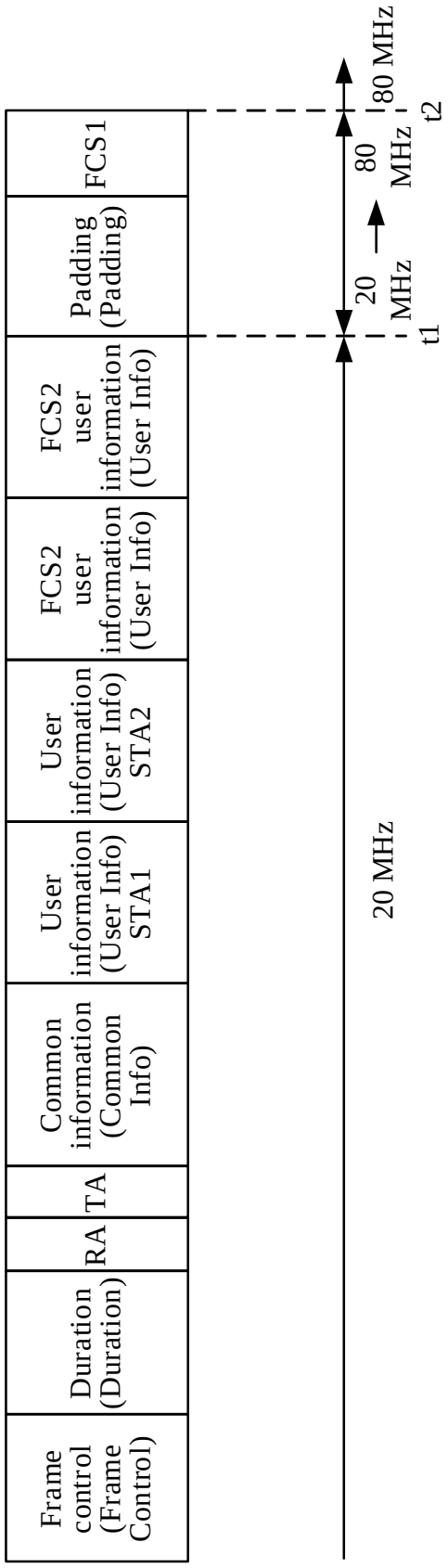

Frame control (Frame Control)
Duration (Duration)
RA
TA
Common information (Common Info)
User information (User Info) STA1
User information (User Info) STA2
FCS2 user information (User Info)
FCS2 user information (User Info)
Padding (Padding)
FCS1
20 MHz
20 MHz
80 MHz
80 MHz
t1
t2

FIG. 1

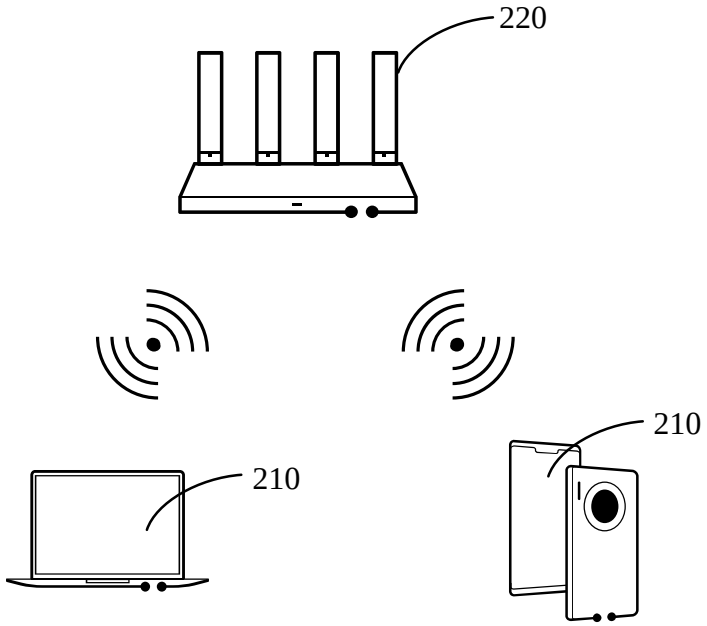

220
210
210

FIG. 2

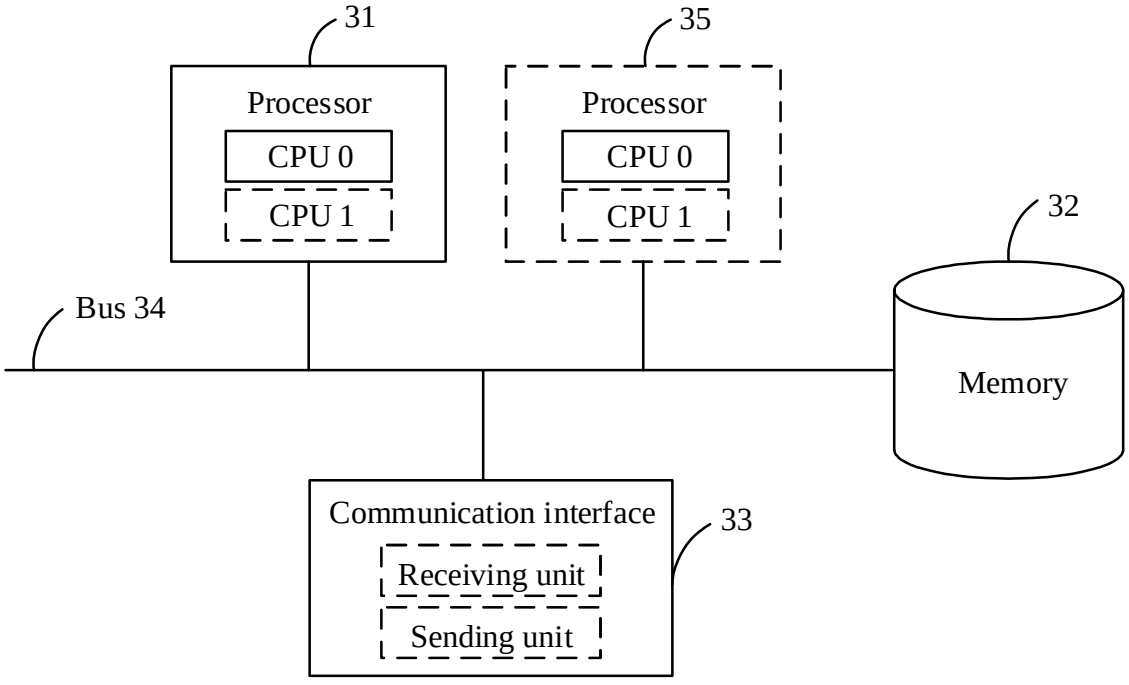

31
Processor
CPU 0
CPU 1
35
Processor
CPU 0
CPU 1
32
Bus 34
Memory
Communication interface
Receiving unit
Sending unit
33

FIG. 3

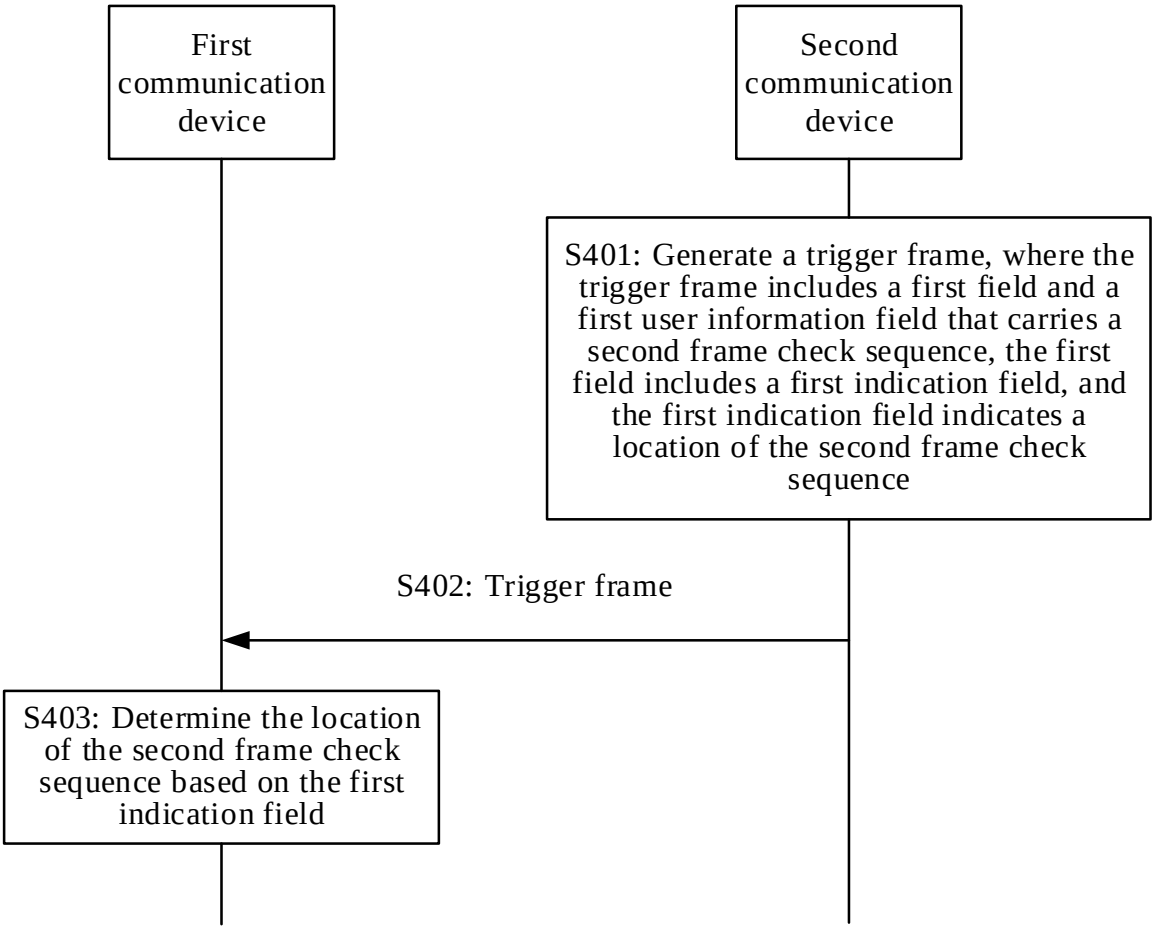

First communication device
Second communication device
S401: Generate a trigger frame, where the trigger frame includes a first field and a first user information field that carries a second frame check sequence, the first field includes a first indication field, and the first indication field indicates a location of the second frame check sequence
S402: Trigger frame
S403: Determine the location of the second frame check sequence based on the first indication field

FIG. 4

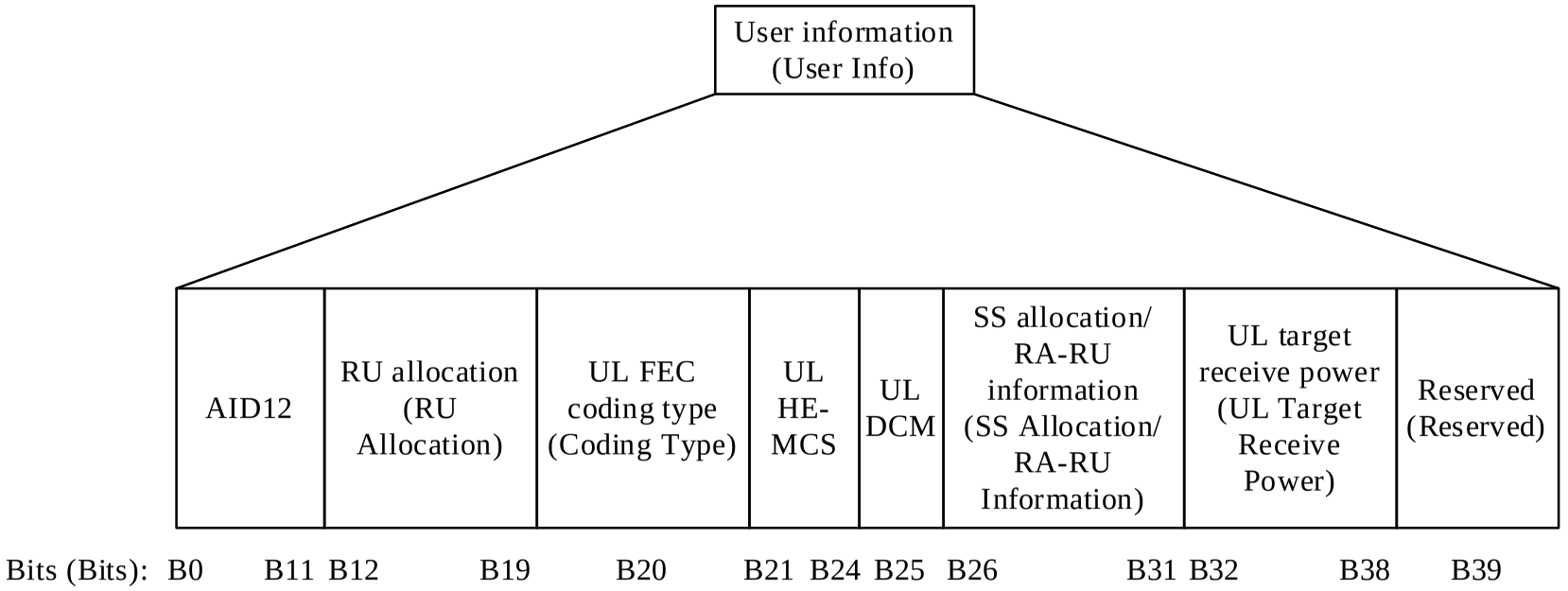

User information
(User Info)
AID12
RU allocation
(RU
Allocation)
UL FEC
coding type
(Coding Type)
UL
HE-
MCS
UL
DCM
SS allocation/
RA-RU
information
(SS Allocation/
RA-RU
Information)
UL target
receive power
(UL Target
Receive
Power)
Reserved
(Reserved)
Bits (Bits): B0 B11 B12 B19 B20 B21 B24 B25 B26 B31 B32 B38 B39

FIG. 5

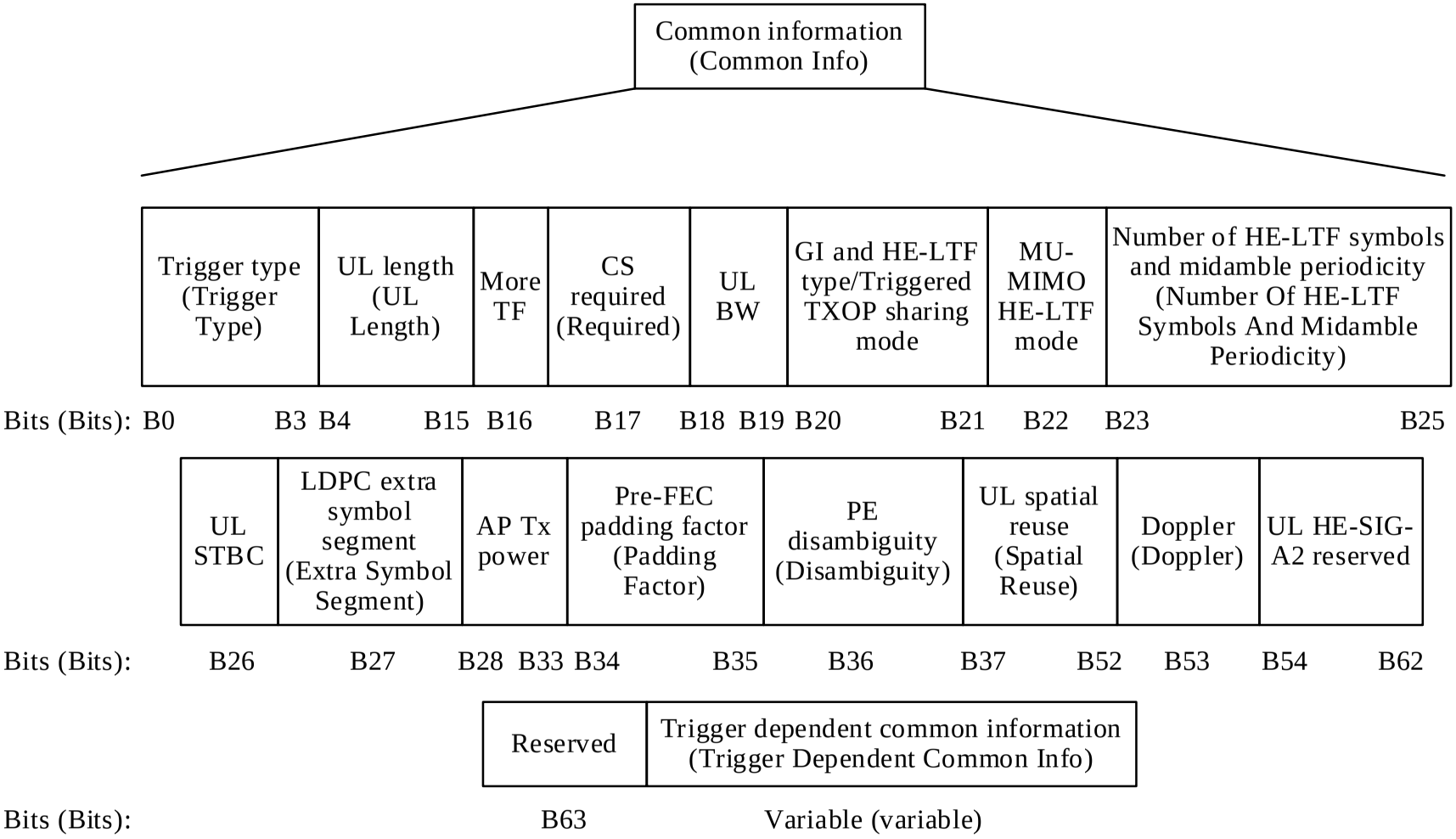

Common information (Common Info)
Trigger type (Trigger Type)
UL length (UL Length)
More TF
CS required (Required)
UL BW
GI and HE-LTF type/Triggered TXOP sharing mode
MU-MIMO HE-LTF mode
Number of HE-LTF symbols and midamble periodicity (Number Of HE-LTF Symbols And Midamble Periodicity)
Bits (Bits): B0 B3 B4 B15 B16 B17 B18 B19 B20 B21 B22 B23 B25
UL STBC
LDPC extra symbol segment (Extra Symbol Segment)
AP Tx power
Pre-FEC padding factor (Padding Factor)
PE disambiguity (Disambiguity)
UL spatial reuse (Spatial Reuse)
Doppler (Doppler)
UL HE-SIG-A2 reserved
Bits (Bits): B26 B27 B28 B33 B34 B35 B36 B37 B52 B53 B54 B62
Reserved
Trigger dependent common information (Trigger Dependent Common Info)
Bits (Bits): B63 Variable (variable)

FIG. 6

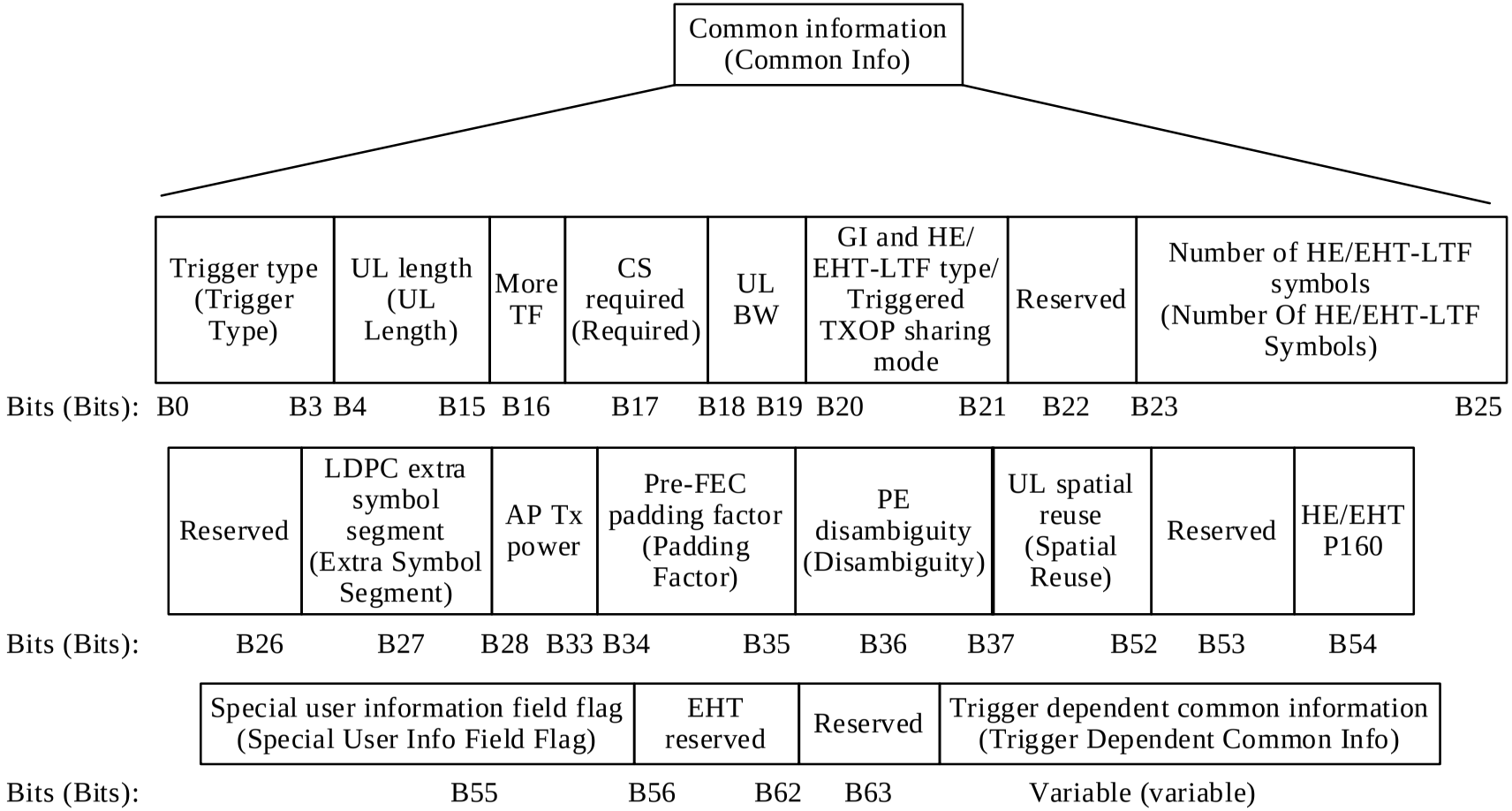

Common information (Common Info)
Trigger type (Trigger Type)
UL length (UL Length)
More TF
CS required (Required)
UL BW
GI and HE/ EHT-LTF type/ Triggered TXOP sharing mode
Reserved
Number of HE/EHT-LTF symbols (Number Of HE/EHT-LTF Symbols)
Bits (Bits): B0 B3 B4 B15 B16 B17 B18 B19 B20 B21 B22 B23 B25
Reserved
LDPC extra symbol segment (Extra Symbol Segment)
AP Tx power
Pre-FEC padding factor (Padding Factor)
PE disambiguity (Disambiguity)
UL spatial reuse (Spatial Reuse)
Reserved
HE/EHT P160
Bits (Bits): B26 B27 B28 B33 B34 B35 B36 B37 B52 B53 B54
Special user information field flag (Special User Info Field Flag)
EHT reserved
Reserved
Trigger dependent common information (Trigger Dependent Common Info)
Bits (Bits): B55 B56 B62 B63 Variable (variable)

FIG. 7

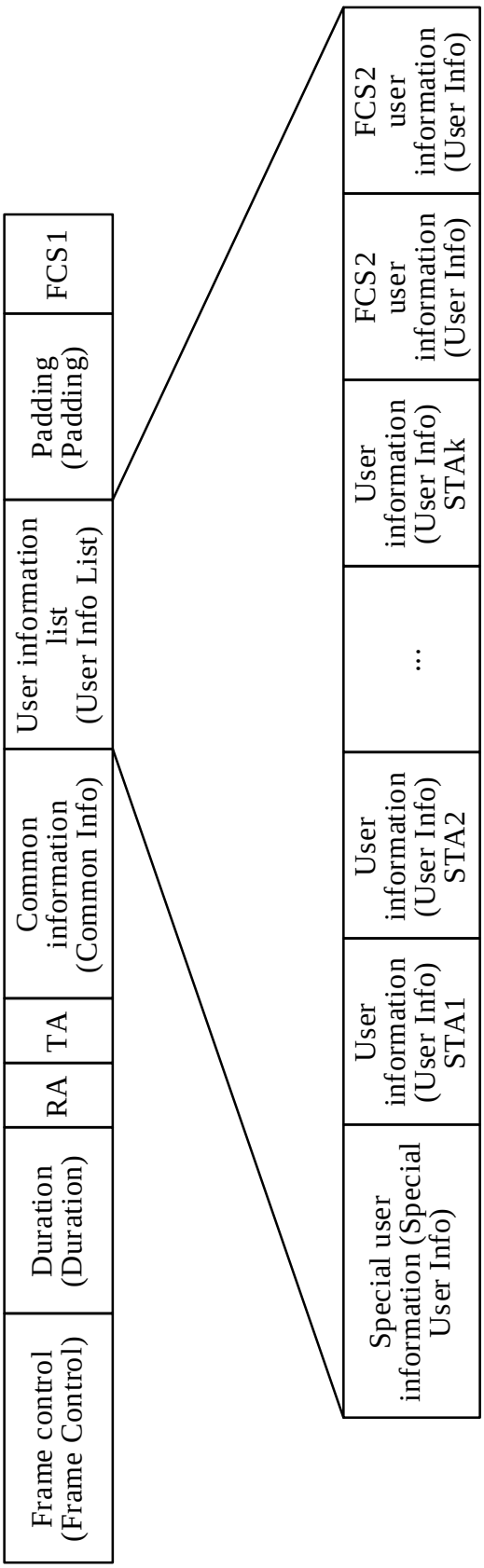

Frame control (Frame Control)
Duration (Duration)
RA
TA
Common information (Common Info)
User information list (User Info List)
Padding (Padding)
FCS1
Special user information (Special User Info)
User information (User Info) STA1
User information (User Info) STA2
...
User information (User Info) STAk
FCS2 user information (User Info)
FCS2 user information (User Info)

FIG. 8

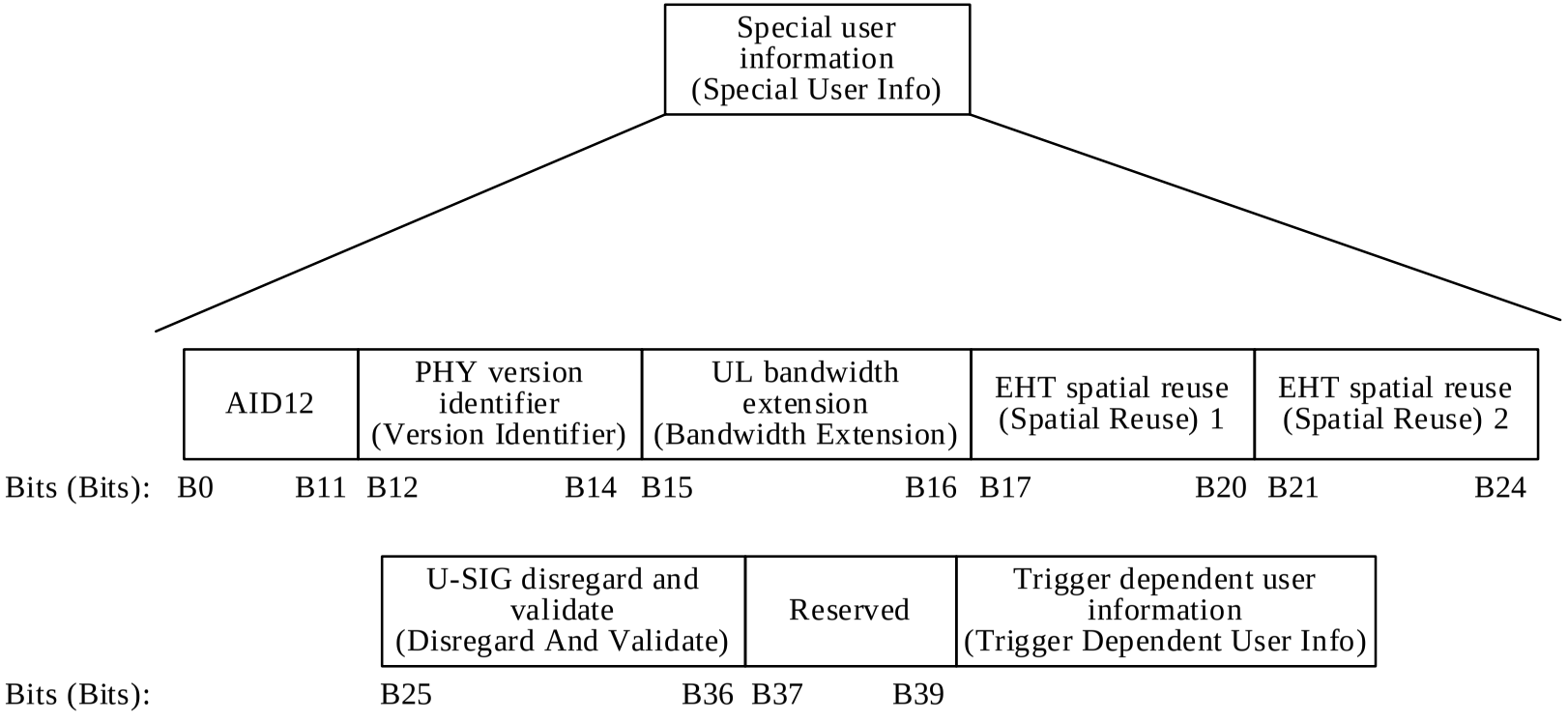

Special user information (Special User Info)
AID12
PHY version identifier (Version Identifier)
UL bandwidth extension (Bandwidth Extension)
EHT spatial reuse (Spatial Reuse) 1
EHT spatial reuse (Spatial Reuse) 2
Bits (Bits): B0 B11 B12 B14 B15 B16 B17 B20 B21 B24
U-SIG disregard and validate (Disregard And Validate)
Reserved
Trigger dependent user information (Trigger Dependent User Info)
Bits (Bits): B25 B36 B37 B39

FIG. 9

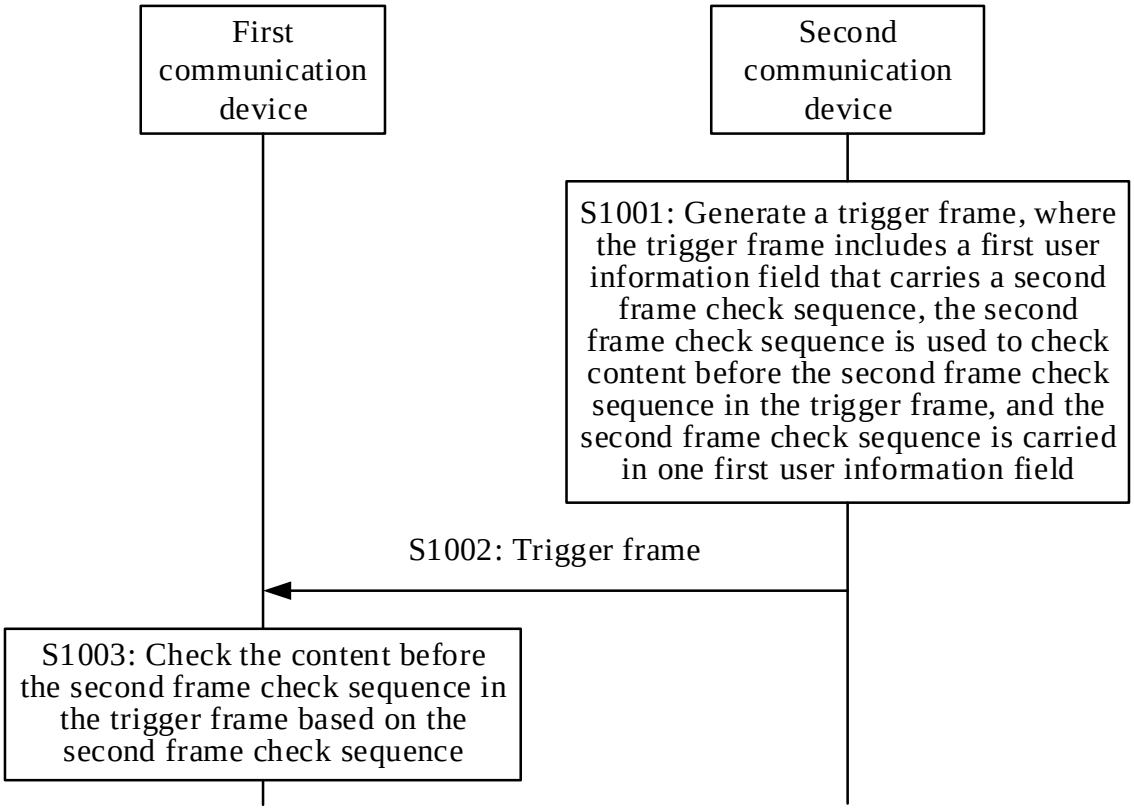

First communication device
Second communication device
S1001: Generate a trigger frame, where the trigger frame includes a first user information field that carries a second frame check sequence, the second frame check sequence is used to check content before the second frame check sequence in the trigger frame, and the second frame check sequence is carried in one first user information field
S1002: Trigger frame
S1003: Check the content before the second frame check sequence in the trigger frame based on the second frame check sequence

FIG. 10

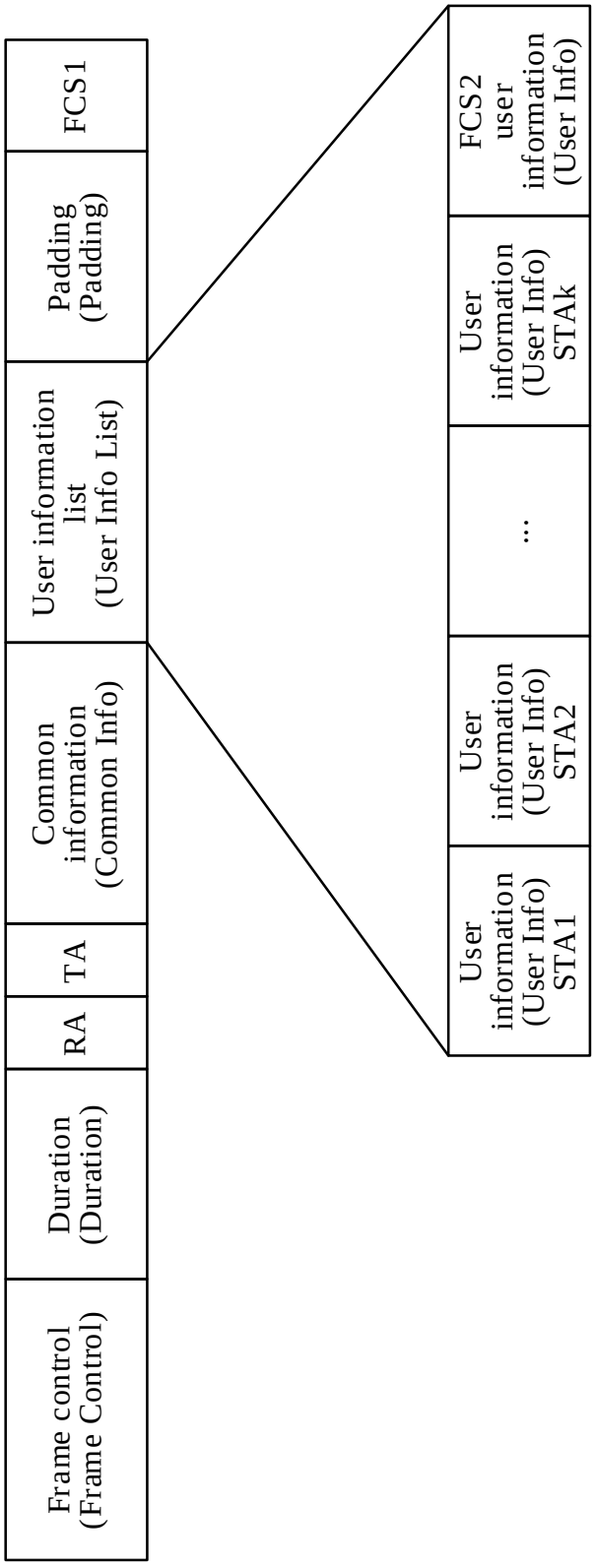

Frame control (Frame Control)
Duration (Duration)
RA
TA
Common information (Common Info)
User information list (User Info List)
Padding (Padding)
FCS1
User information (User Info) STA1
User information (User Info) STA2
...
User information (User Info) STAk
FCS2 user information (User Info)

FIG. 11

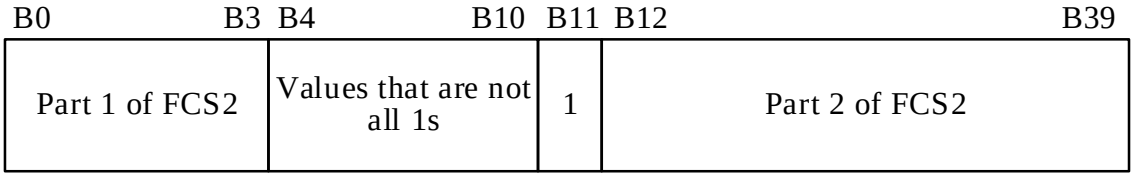


FIG. 12

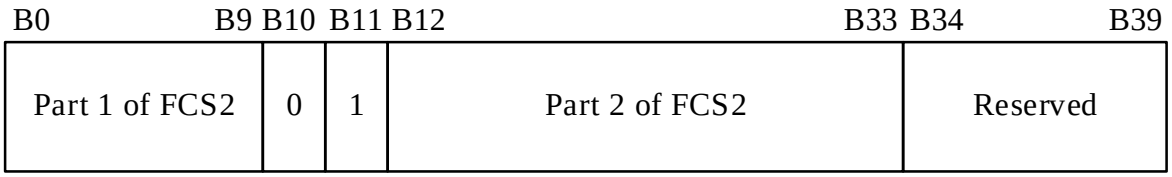


FIG. 13

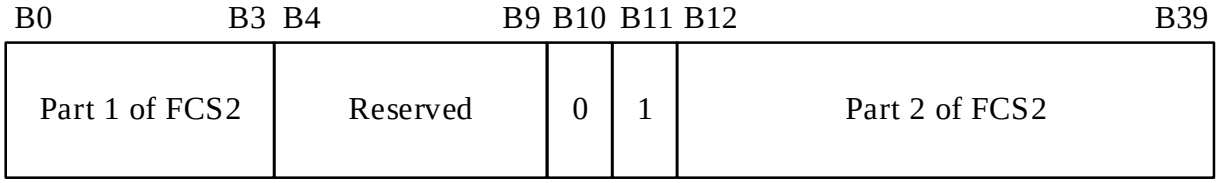


FIG. 14

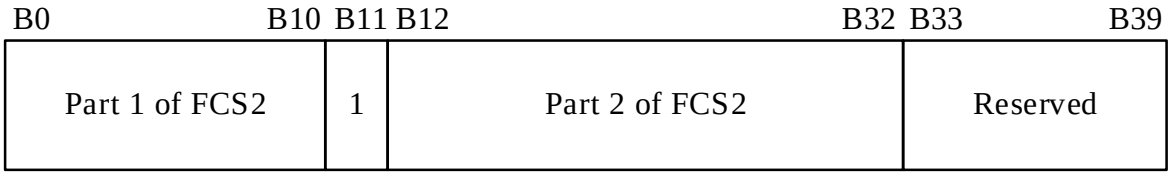


FIG. 15



FIG. 16

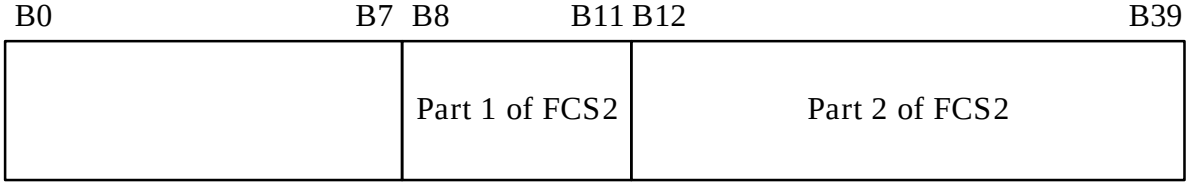


FIG. 17

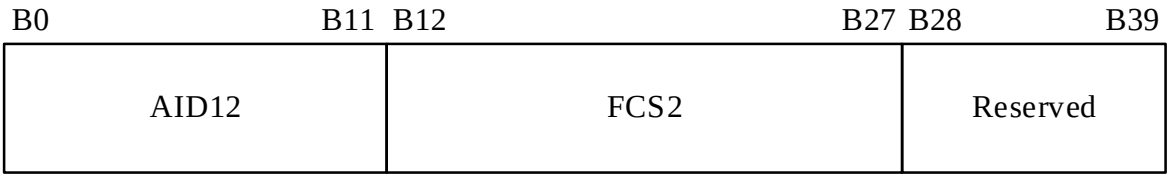


FIG. 18

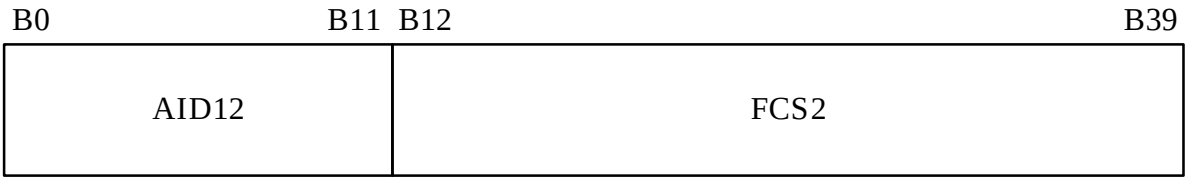


FIG. 19

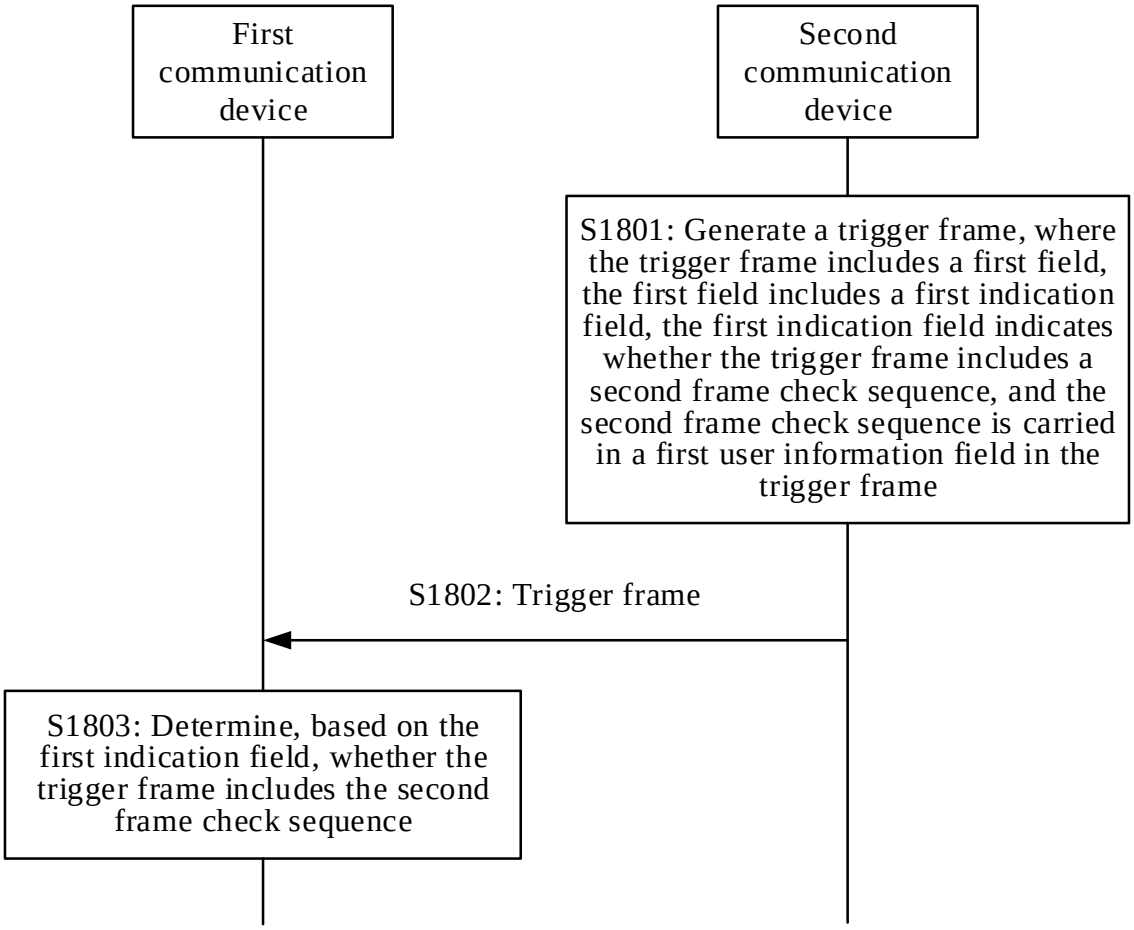


FIG. 20

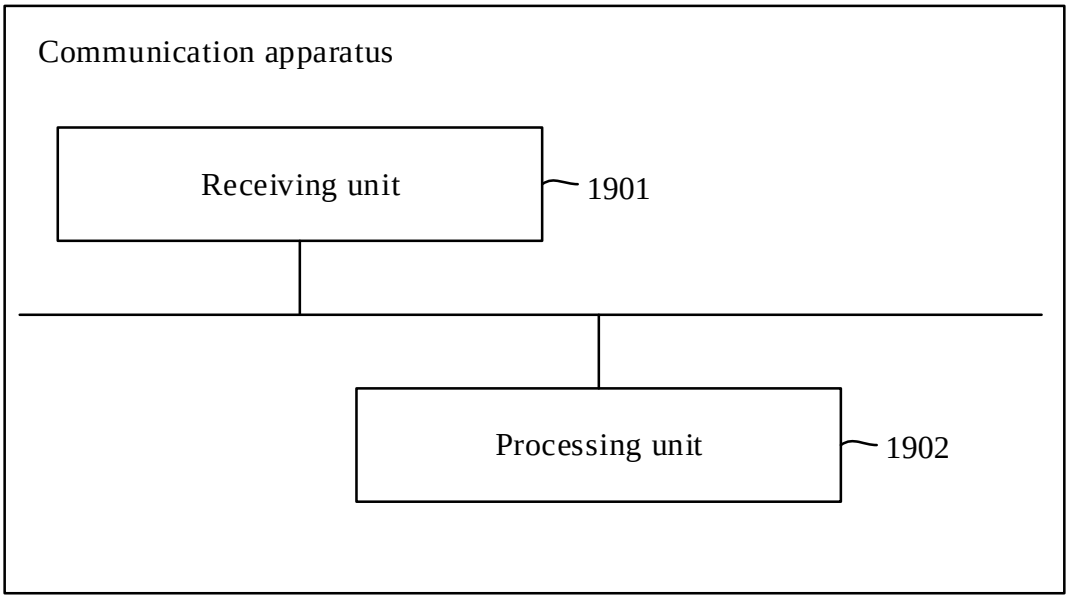

Communication apparatus
Receiving unit
1901
Processing unit
1902

FIG. 21

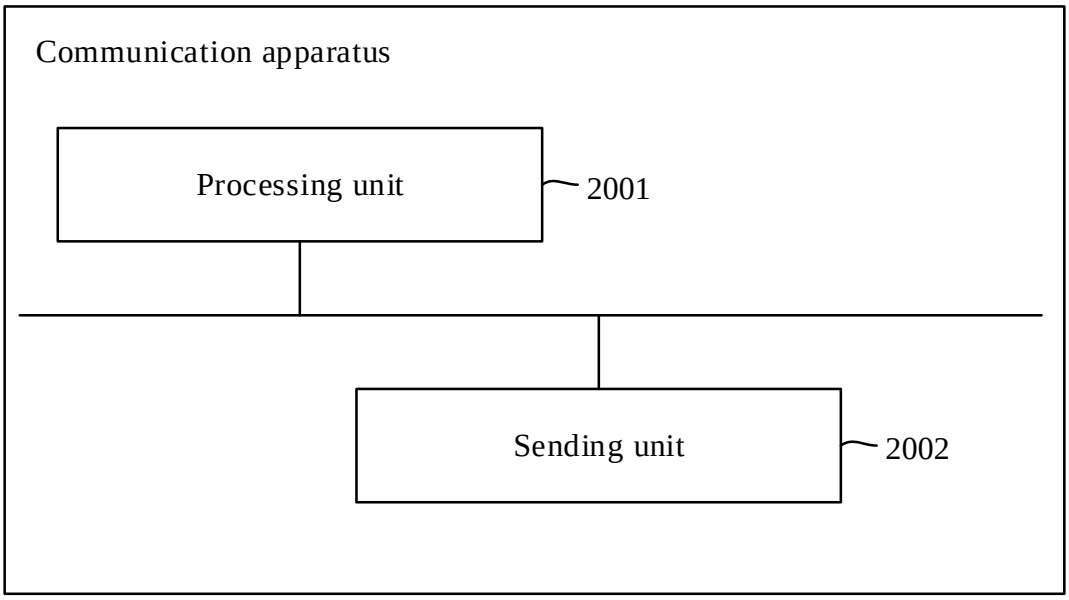

Communication apparatus
Processing unit
2001
Sending unit
2002

FIG. 22