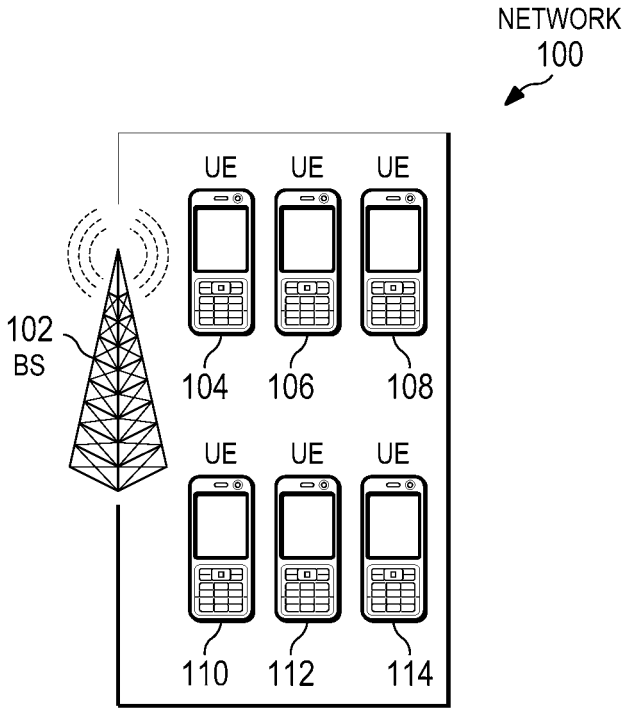

FIG. 1

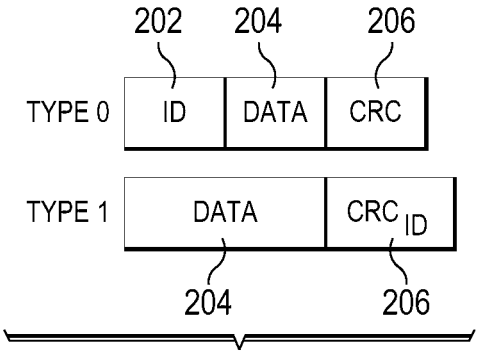

FIG. 2A

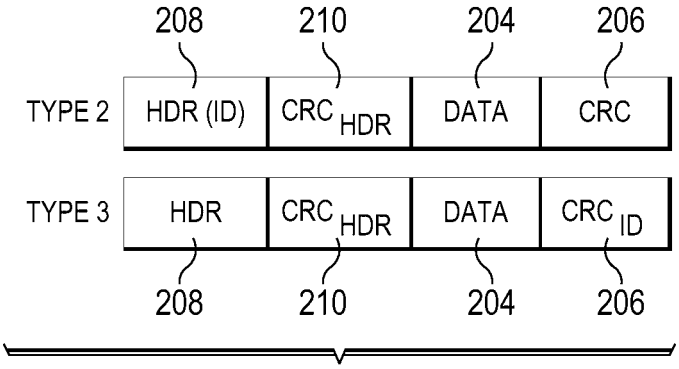

FIG. 2B

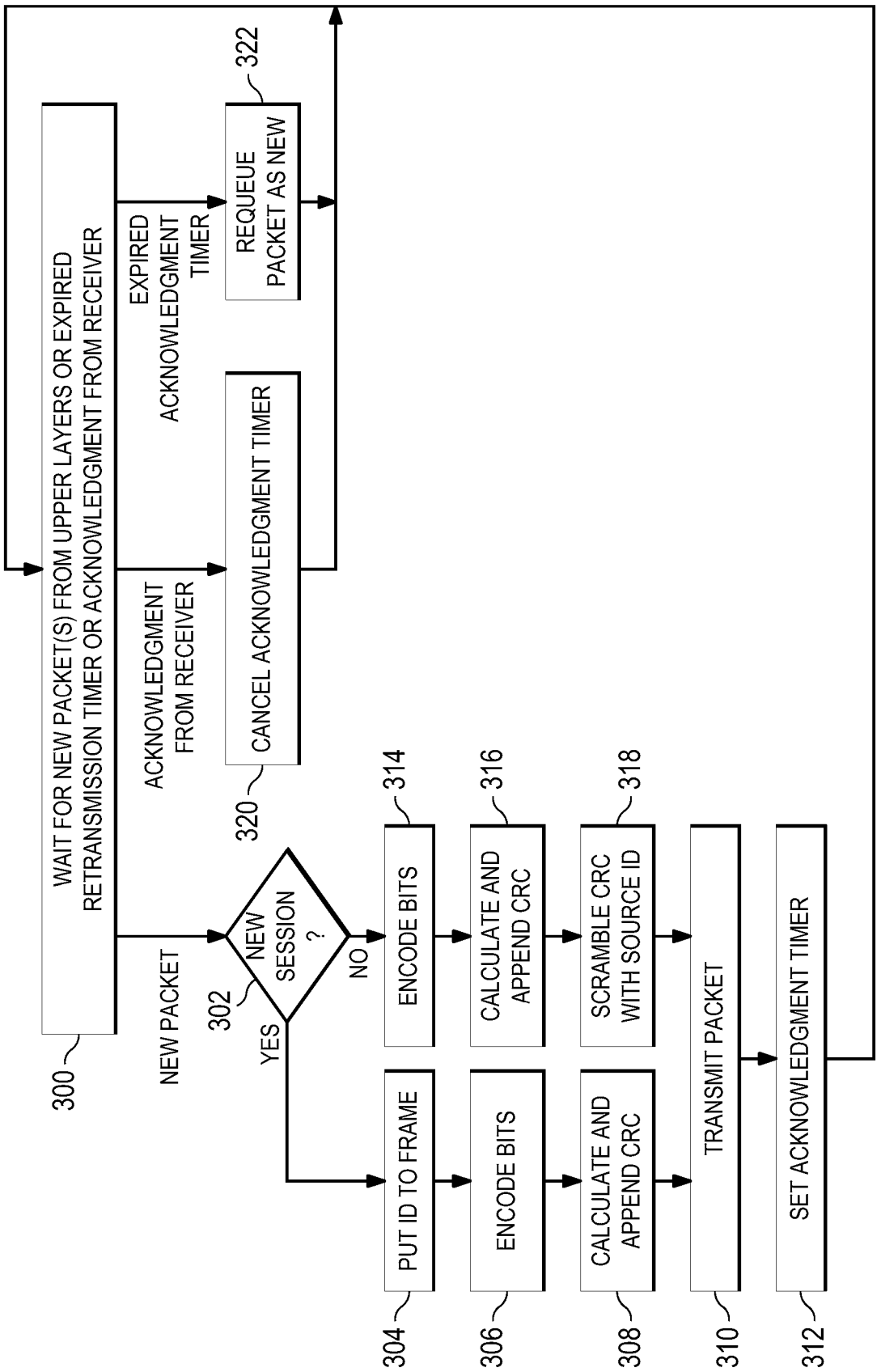
WAIT FOR NEW PACKET(S) FROM UPPER LAYERS OR EXPIRED RETRANSMISSION TIMER OR ACKNOWLEDGMENT FROM RECEIVER
300
NEW PACKET
ACKNOWLEDGMENT FROM RECEIVER
EXPIRED ACKNOWLEDGMENT TIMER
NEW SESSION ?
302
YES
NO
CANCEL ACKNOWLEDGMENT TIMER
320
REQUEUE PACKET AS NEW
322
PUT ID TO FRAME
304
ENCODE BITS
306
CALCULATE AND APPEND CRC
308
TRANSMIT PACKET
310
ENCODE BITS
314
CALCULATE AND APPEND CRC
316
SCRAMBLE CRC WITH SOURCE ID
318
SET ACKNOWLEDGMENT TIMER
312

FIG. 3

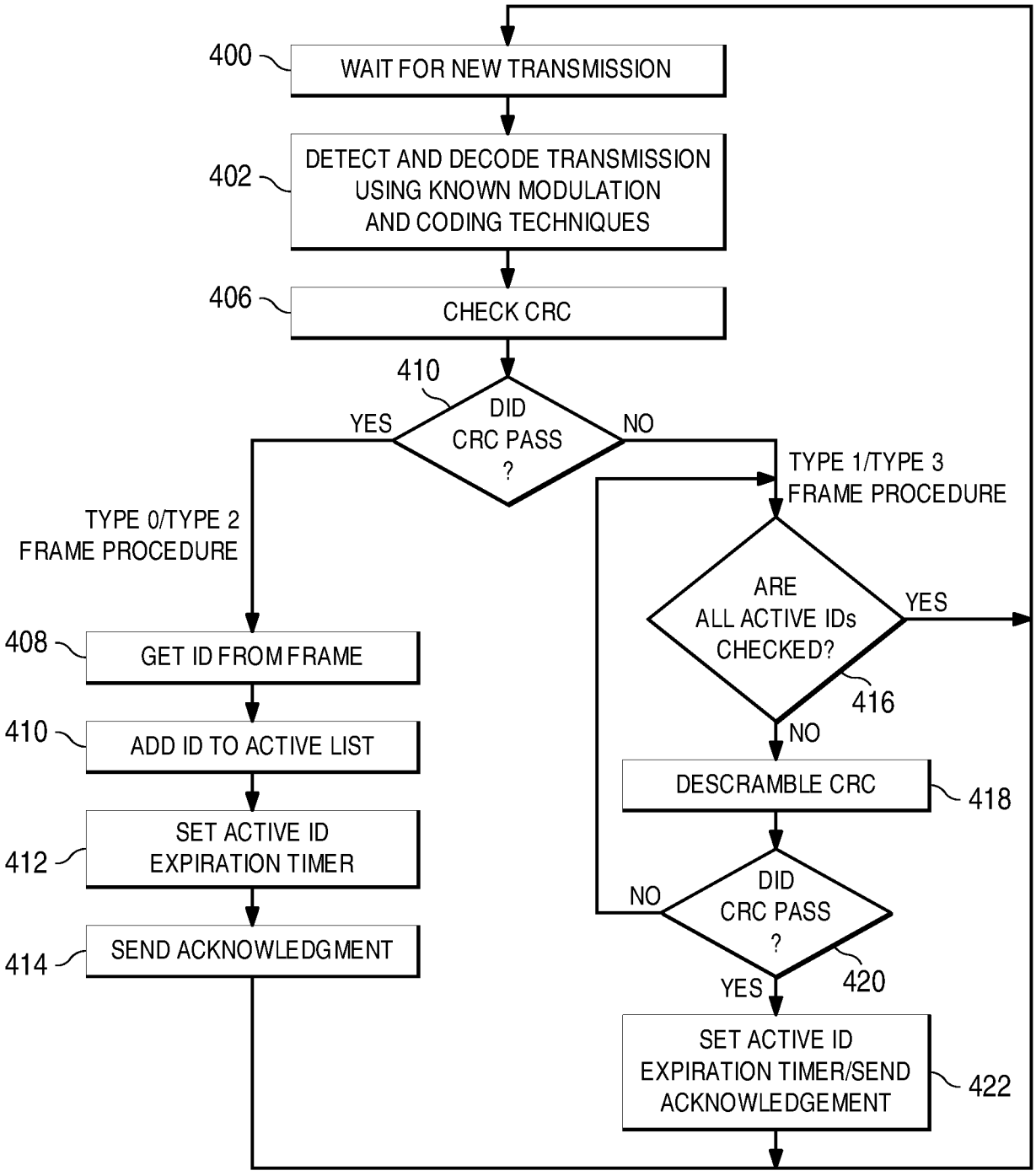
400
WAIT FOR NEW TRANSMISSION
402
DETECT AND DECODE TRANSMISSION USING KNOWN MODULATION AND CODING TECHNIQUES
406
CHECK CRC
410
DID CRC PASS ?
YES
NO
TYPE 0/TYPE 2 FRAME PROCEDURE
TYPE 1/TYPE 3 FRAME PROCEDURE
408
GET ID FROM FRAME
410
ADD ID TO ACTIVE LIST
412
SET ACTIVE ID EXPIRATION TIMER
414
SEND ACKNOWLEDGMENT
ARE ALL ACTIVE IDs CHECKED?
YES
416
NO
DESCRAMBLE CRC
418
DID CRC PASS ?
NO
420
YES
SET ACTIVE ID EXPIRATION TIMER/SEND ACKNOWLEDGEMENT
422

FIG. 4

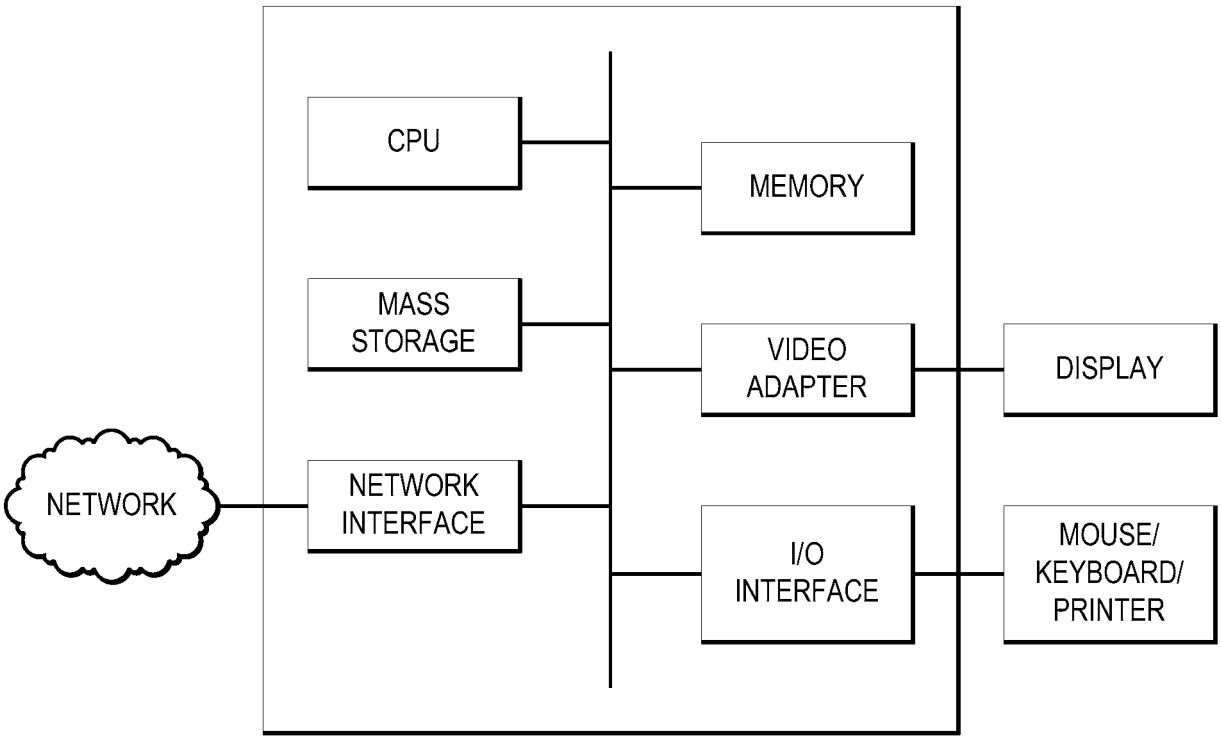
CPU
MEMORY
MASS STORAGE
VIDEO ADAPTER
DISPLAY
NETWORK
NETWORK INTERFACE
I/O INTERFACE
MOUSE/ KEYBOARD/ PRINTER

FIG. 5