

FIG. 1

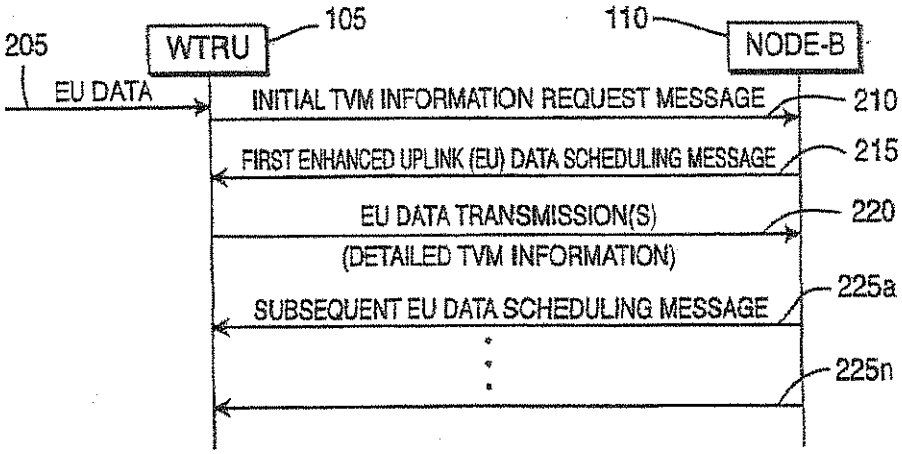


FIG. 2

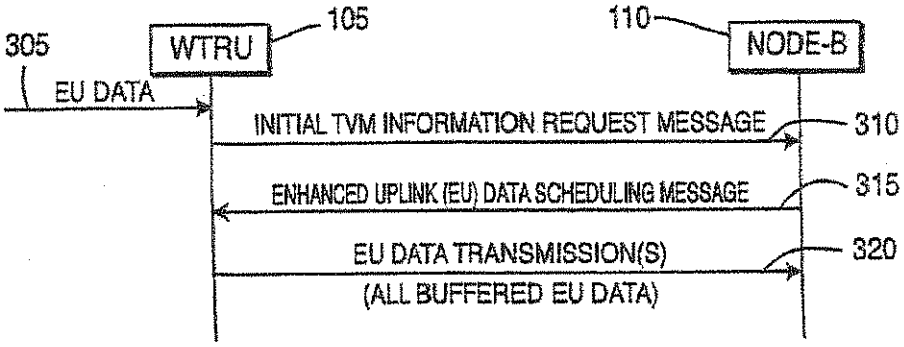


FIG. 3

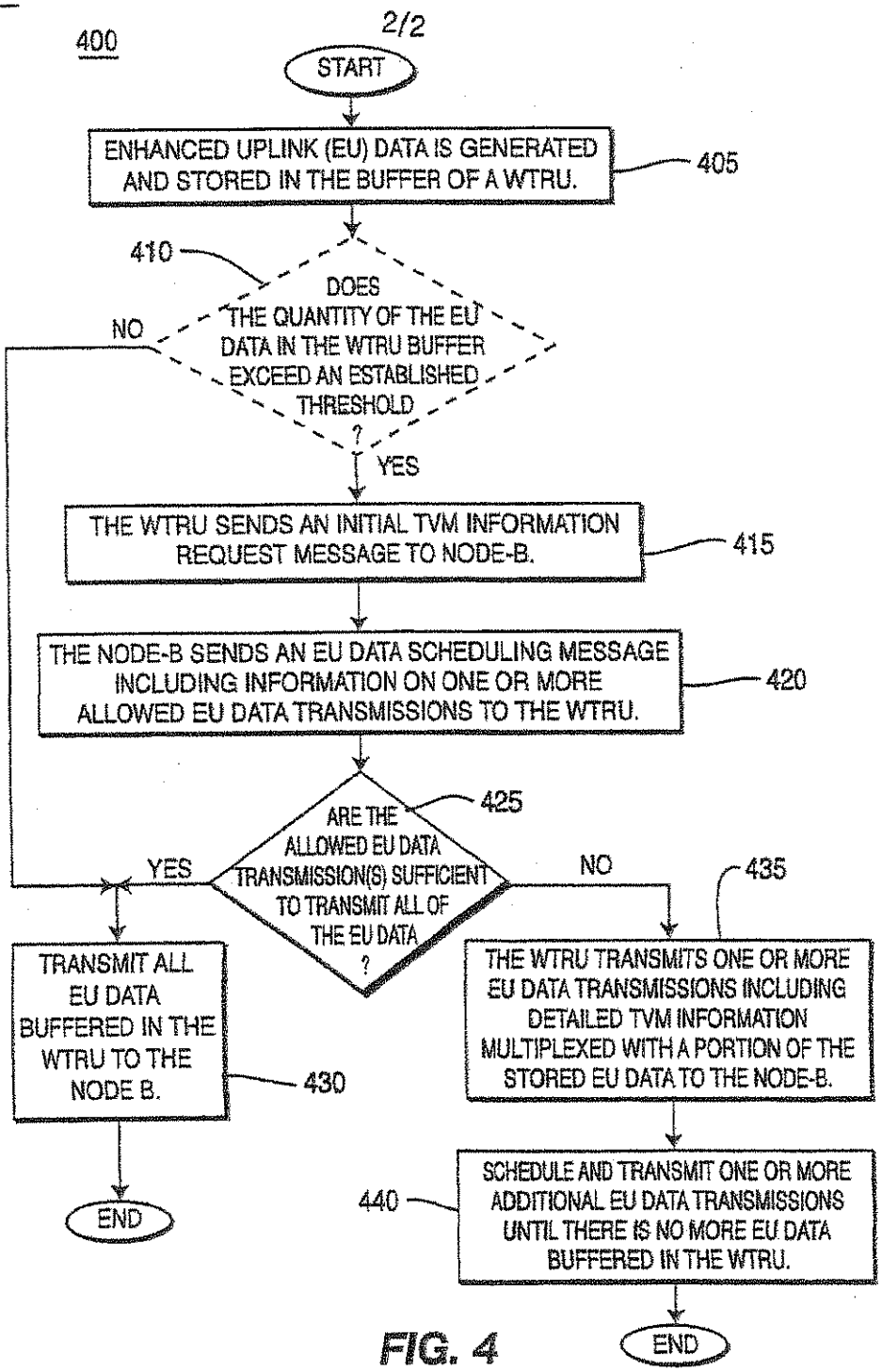

400
START
ENHANCED UPLINK (EU) DATA IS GENERATED AND STORED IN THE BUFFER OF A WTRU.
405
410
DOES THE QUANTITY OF THE EU DATA IN THE WTRU BUFFER EXCEED AN ESTABLISHED THRESHOLD ?
NO
YES
THE WTRU SENDS AN INITIAL TVM INFORMATION REQUEST MESSAGE TO NODE-B.
415
THE NODE-B SENDS AN EU DATA SCHEDULING MESSAGE INCLUDING INFORMATION ON ONE OR MORE ALLOWED EU DATA TRANSMISSIONS TO THE WTRU.
420
425
ARE THE ALLOWED EU DATA TRANSMISSION(S) SUFFICIENT TO TRANSMIT ALL OF THE EU DATA ?
YES
NO
435
TRANSMIT ALL EU DATA BUFFERED IN THE WTRU TO THE NODE B.
430
THE WTRU TRANSMITS ONE OR MORE EU DATA TRANSMISSIONS INCLUDING DETAILED TVM INFORMATION MULTIPLEXED WITH A PORTION OF THE STORED EU DATA TO THE NODE-B.
SCHEDULE AND TRANSMIT ONE OR MORE ADDITIONAL EU DATA TRANSMISSIONS UNTIL THERE IS NO MORE EU DATA BUFFERED IN THE WTRU.
440
END
END

FIG. 4