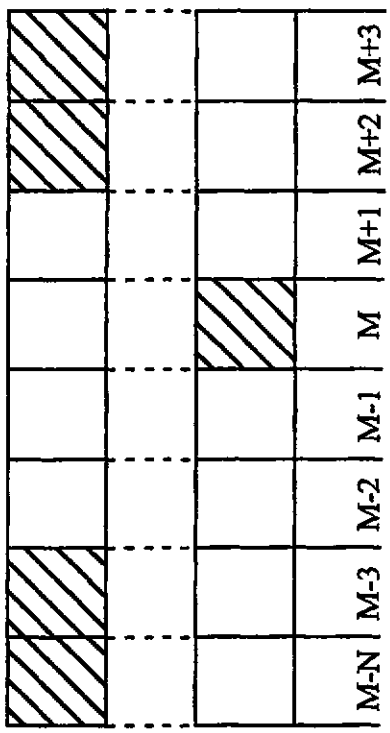

MS RECEIVER
MS TRANSMITTER
M-N
M-3
M-2
M-1
M
M+1
M+2
M+3

FIG. 6

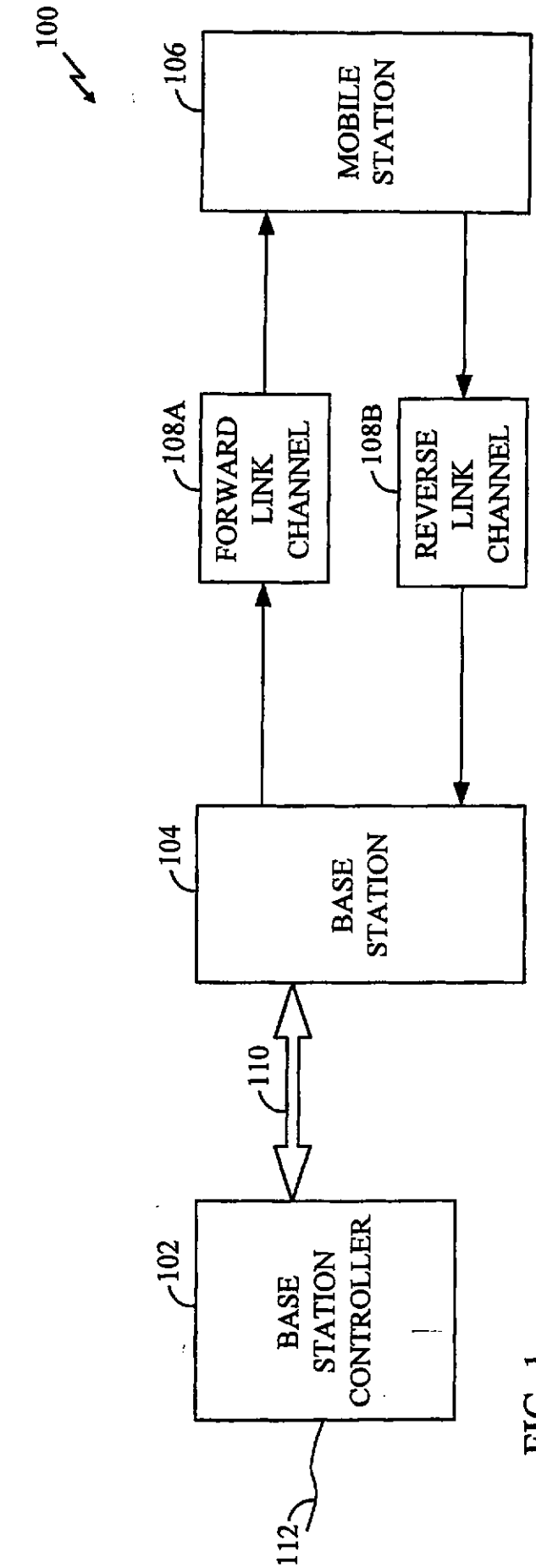

100
106
MOBILE STATION
108A
FORWARD LINK CHANNEL
108B
REVERSE LINK CHANNEL
104
BASE STATION
110
102
BASE STATION CONTROLLER
112

FIG. 1

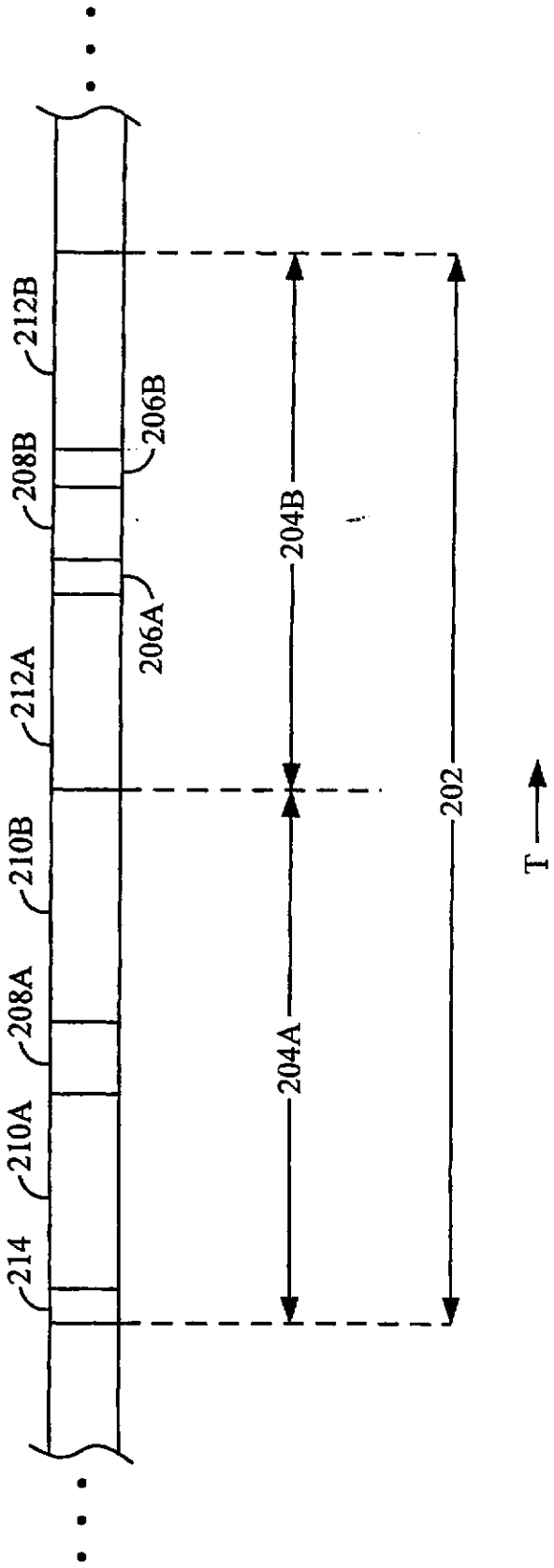


FIG. 2

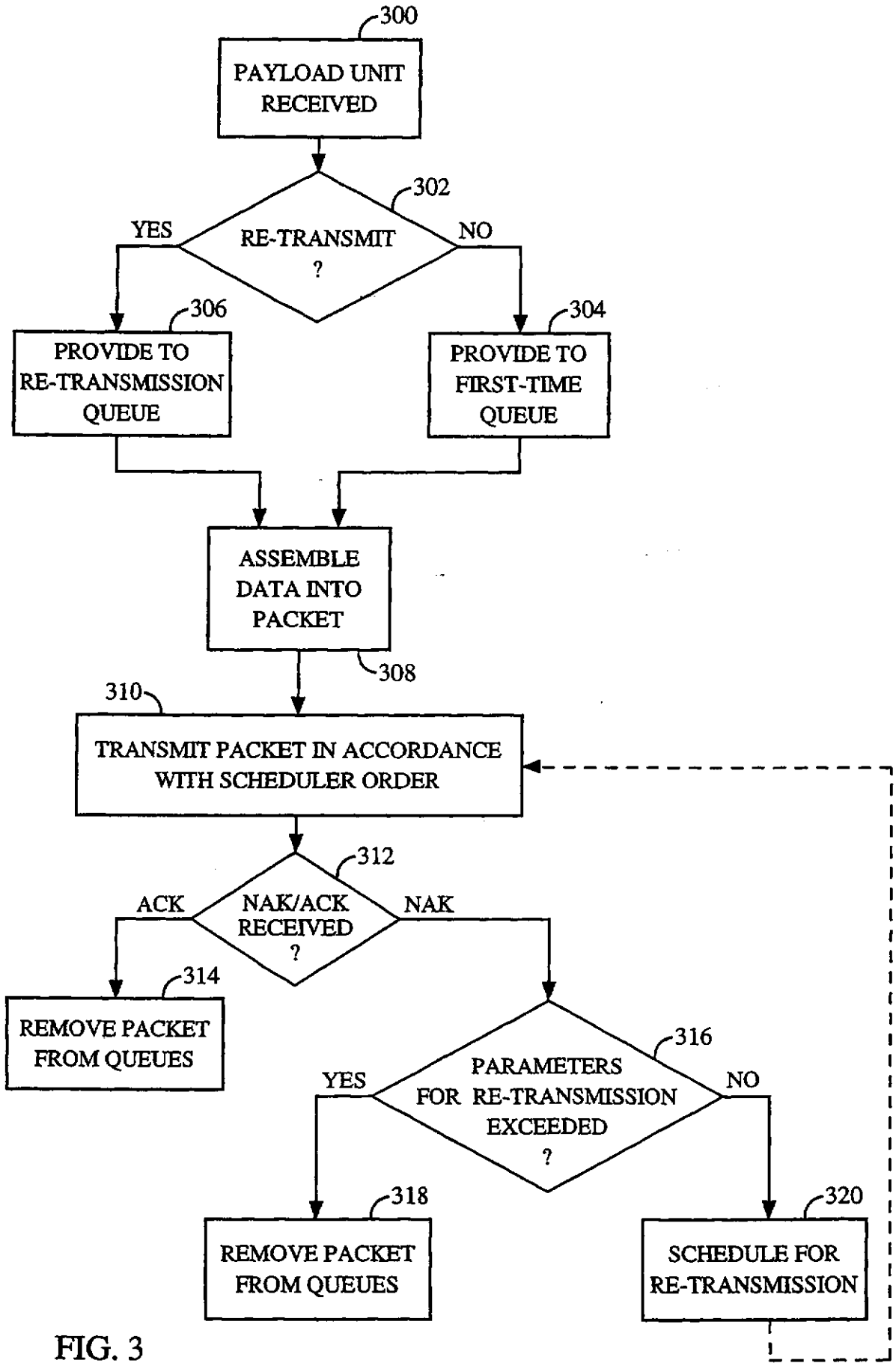

300
PAYLOAD UNIT RECEIVED
302
RE-TRANSMIT ?
YES
NO
306
PROVIDE TO RE-TRANSMISSION QUEUE
304
PROVIDE TO FIRST-TIME QUEUE
ASSEMBLE DATA INTO PACKET
308
310
TRANSMIT PACKET IN ACCORDANCE WITH SCHEDULER ORDER
312
NAK/ACK RECEIVED ?
ACK
NAK
314
REMOVE PACKET FROM QUEUES
316
PARAMETERS FOR RE-TRANSMISSION EXCEEDED ?
YES
NO
318
REMOVE PACKET FROM QUEUES
320
SCHEDULE FOR RE-TRANSMISSION

FIG. 3

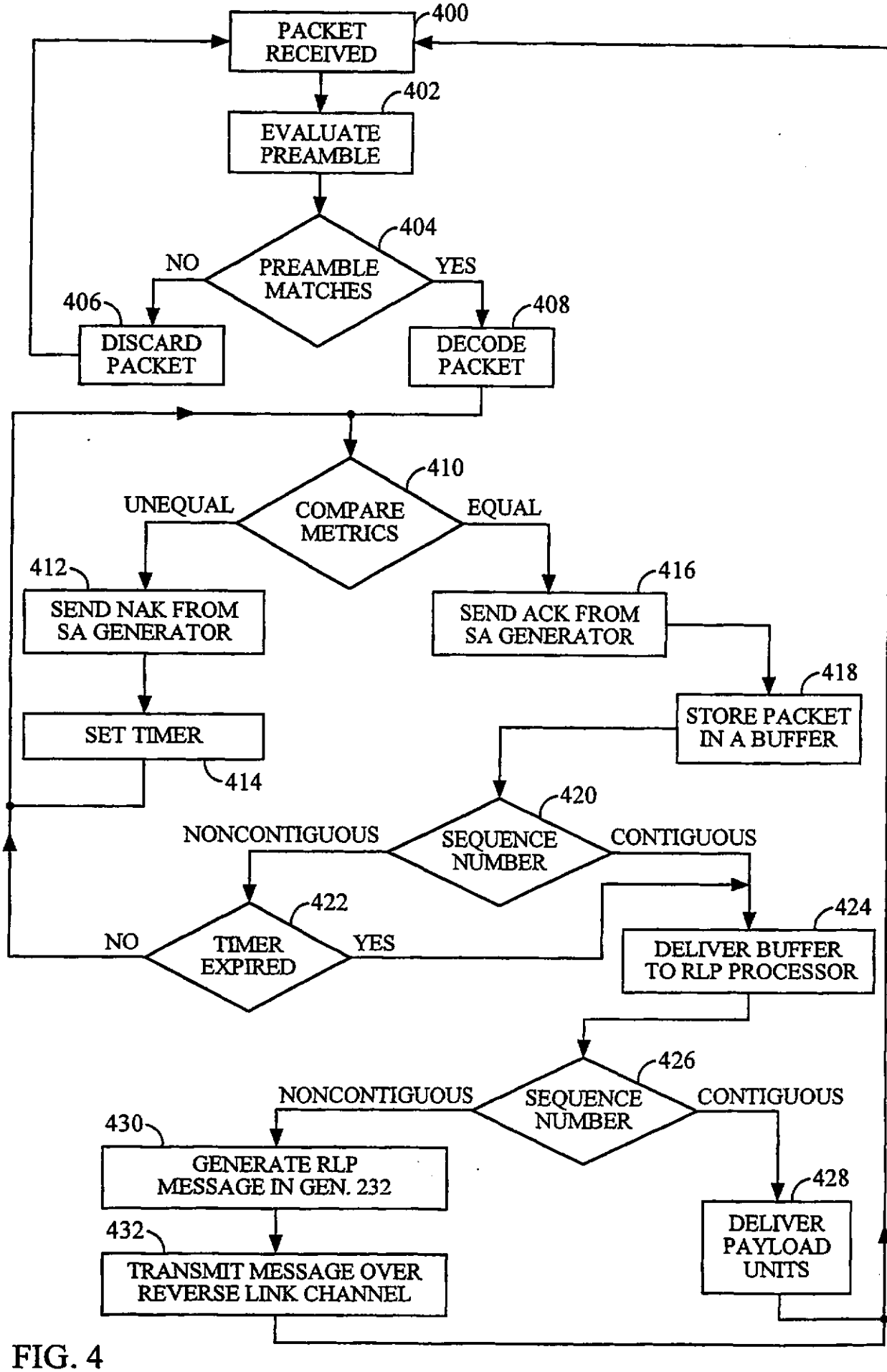

PACKET RECEIVED
400
EVALUATE PREAMBLE
402
PREAMBLE MATCHES
404
NO
YES
DISCARD PACKET
406
DECODE PACKET
408
COMPARE METRICS
410
UNEQUAL
EQUAL
SEND NAK FROM SA GENERATOR
412
SET TIMER
414
SEND ACK FROM SA GENERATOR
416
STORE PACKET IN A BUFFER
418
SEQUENCE NUMBER
420
NONCONTIGUOUS
CONTIGUOUS
TIMER EXPIRED
422
NO
YES
DELIVER BUFFER TO RLP PROCESSOR
424
SEQUENCE NUMBER
426
NONCONTIGUOUS
CONTIGUOUS
GENERATE RLP MESSAGE IN GEN. 232
430
TRANSMIT MESSAGE OVER REVERSE LINK CHANNEL
432
DELIVER PAYLOAD UNITS
428

FIG. 4

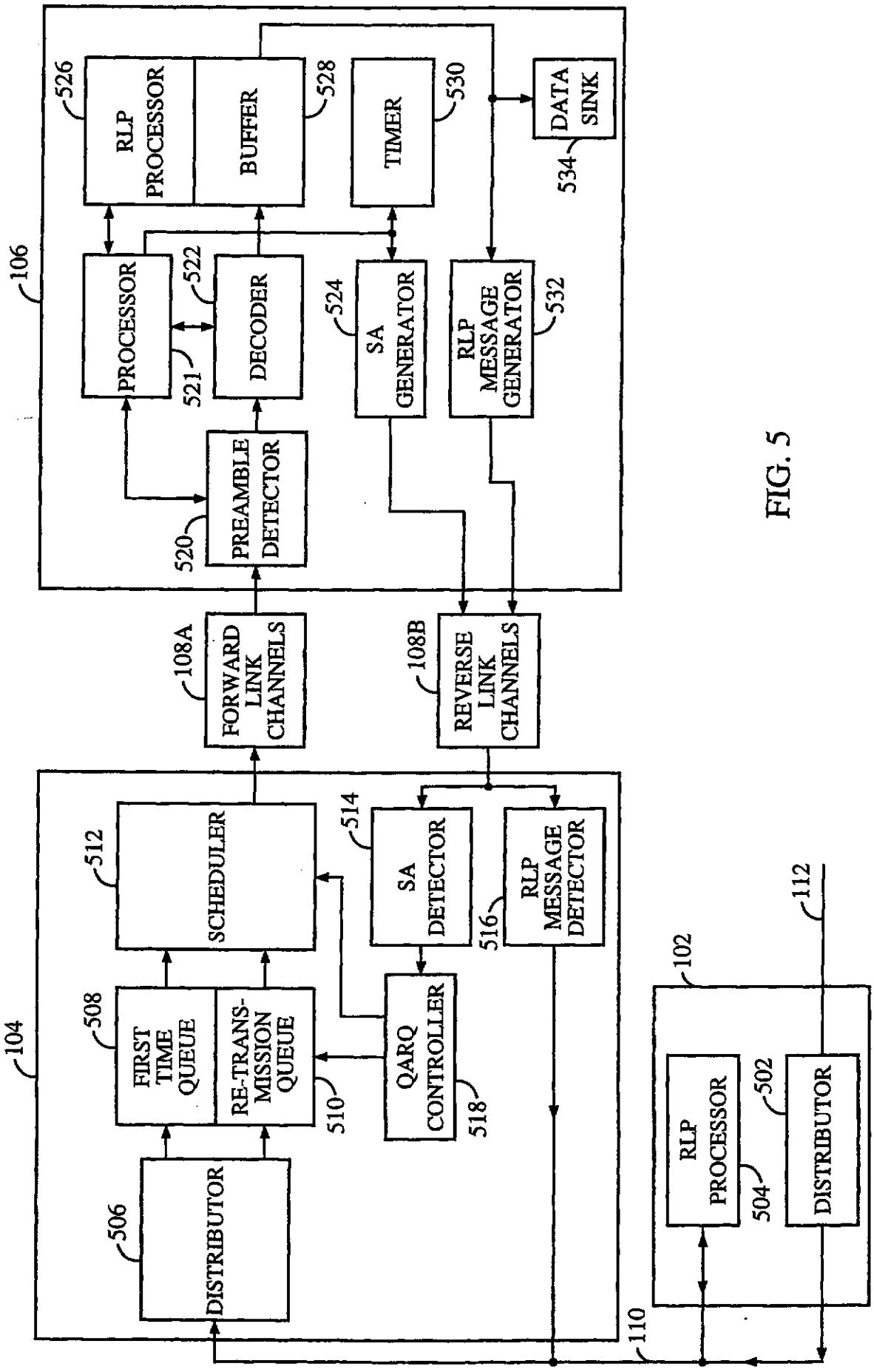

106
526
RLP PROCESSOR
BUFFER
528
TIMER
530
DATA SINK
534
PROCESSOR
521
522
DECODER
524
SA GENERATOR
RLP MESSAGE GENERATOR
532
520
PREAMBLE DETECTOR
108A
FORWARD LINK CHANNELS
108B
REVERSE LINK CHANNELS
104
512
SCHEDULER
514
SA DETECTOR
516
RLP MESSAGE DETECTOR
508
FIRST TIME QUEUE
RE-TRANS-MISSION QUEUE
510
QARQ CONTROLLER
518
506
DISTRIBUTOR
102
112
RLP PROCESSOR
504
502
DISTRIBUTOR
110

FIG. 5