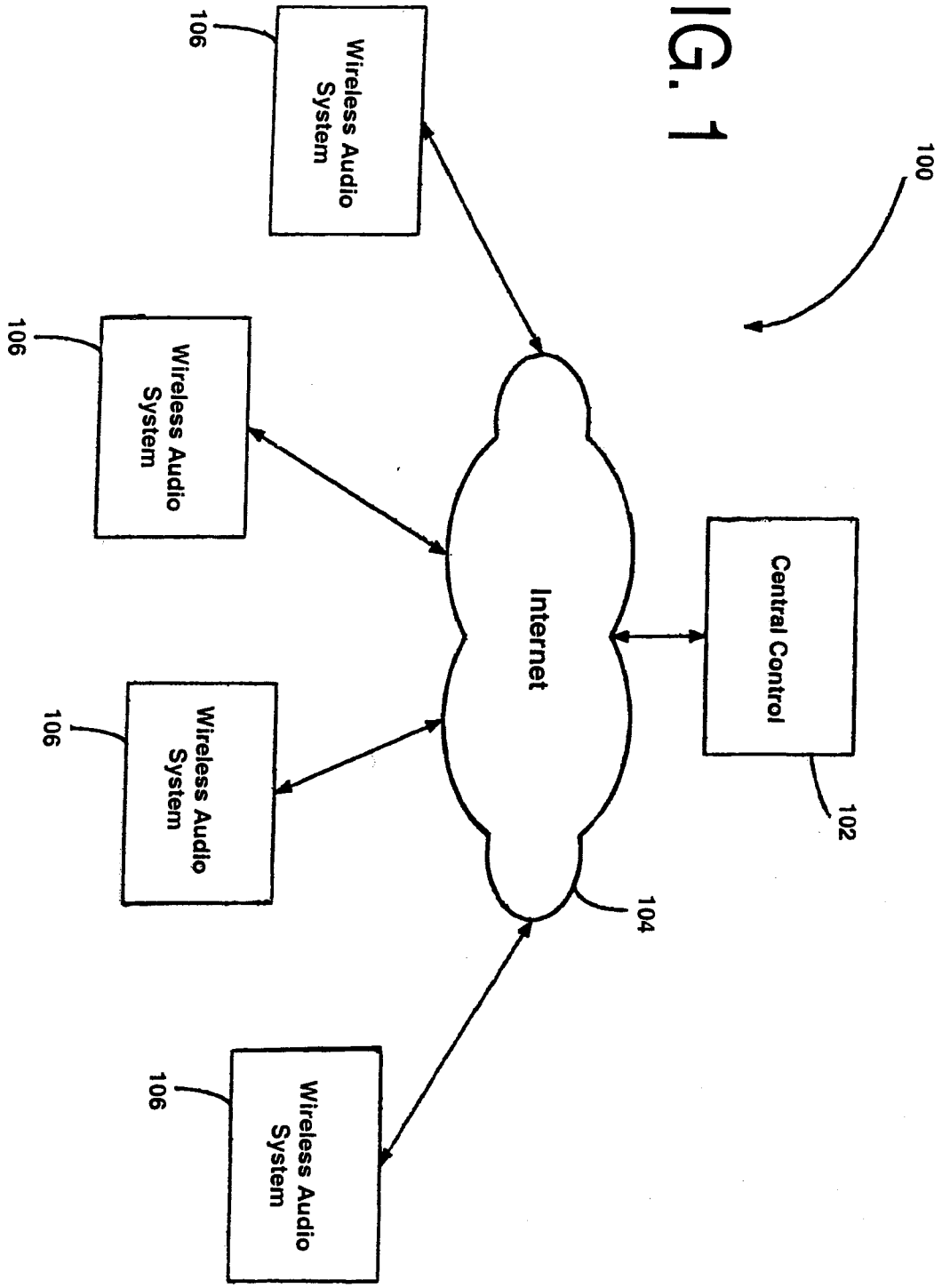
FIG. 1


100
Internet
104
Central Control
102
Wireless Audio System
106
Wireless Audio System
106
Wireless Audio System
106
Wireless Audio System
106

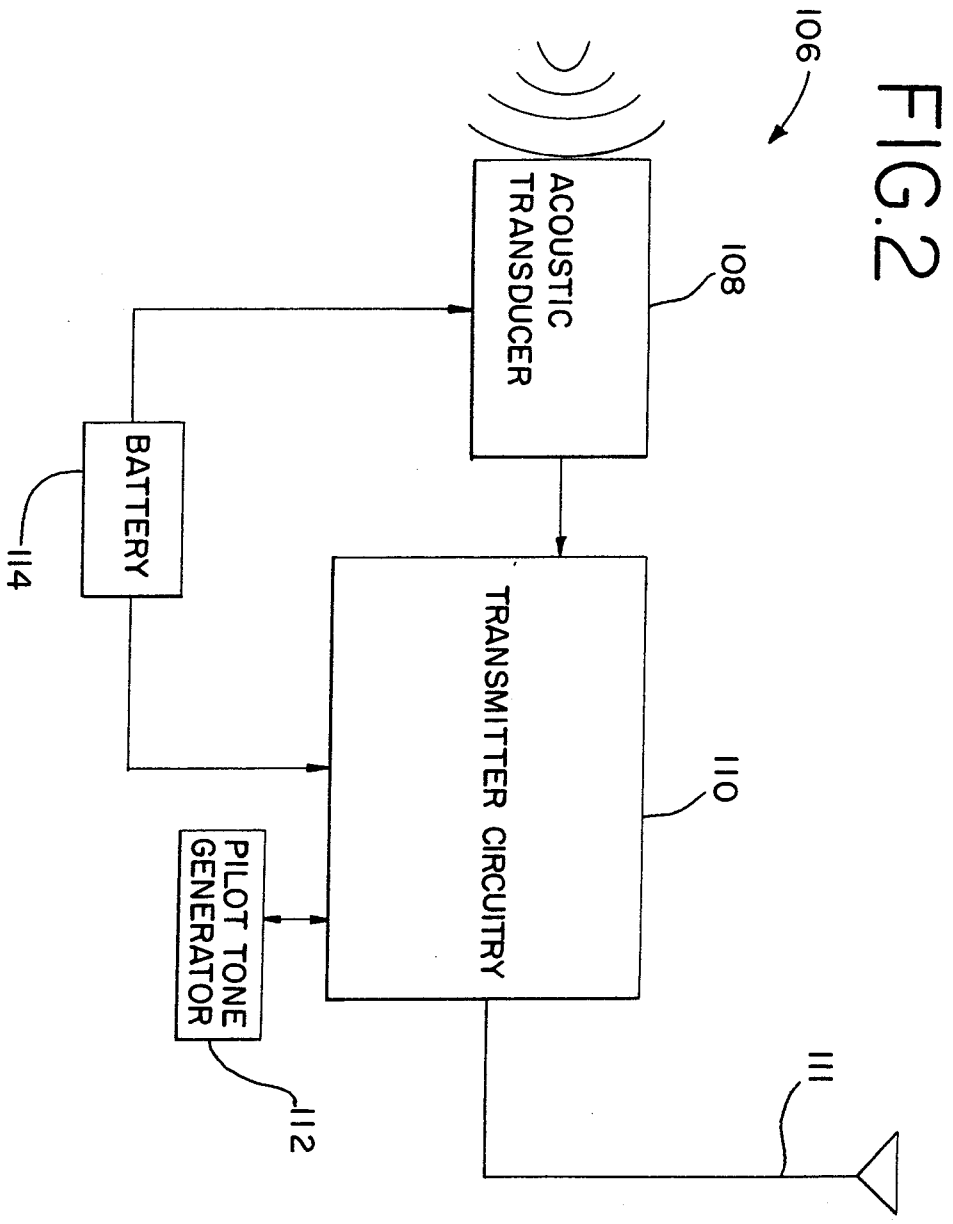

106
ACOUSTIC TRANSDUCER
108
BATTERY
114
TRANSMITTER CIRCUITRY
110
PILOT TONE GENERATOR
112
111

FIG.2

FIG.3A

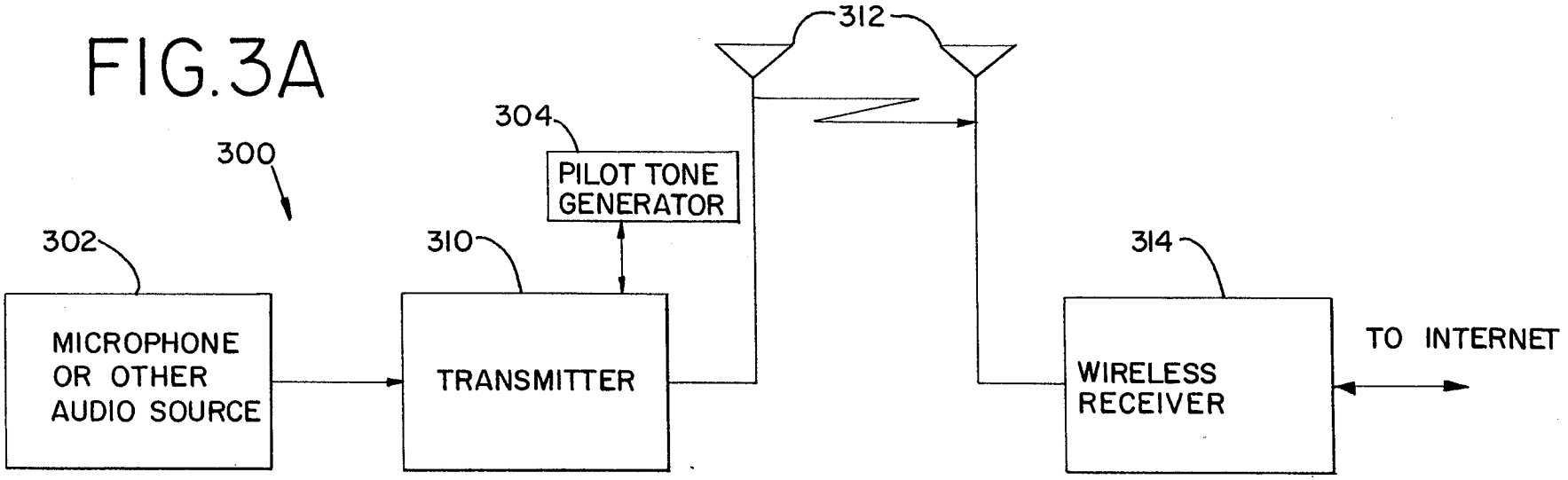
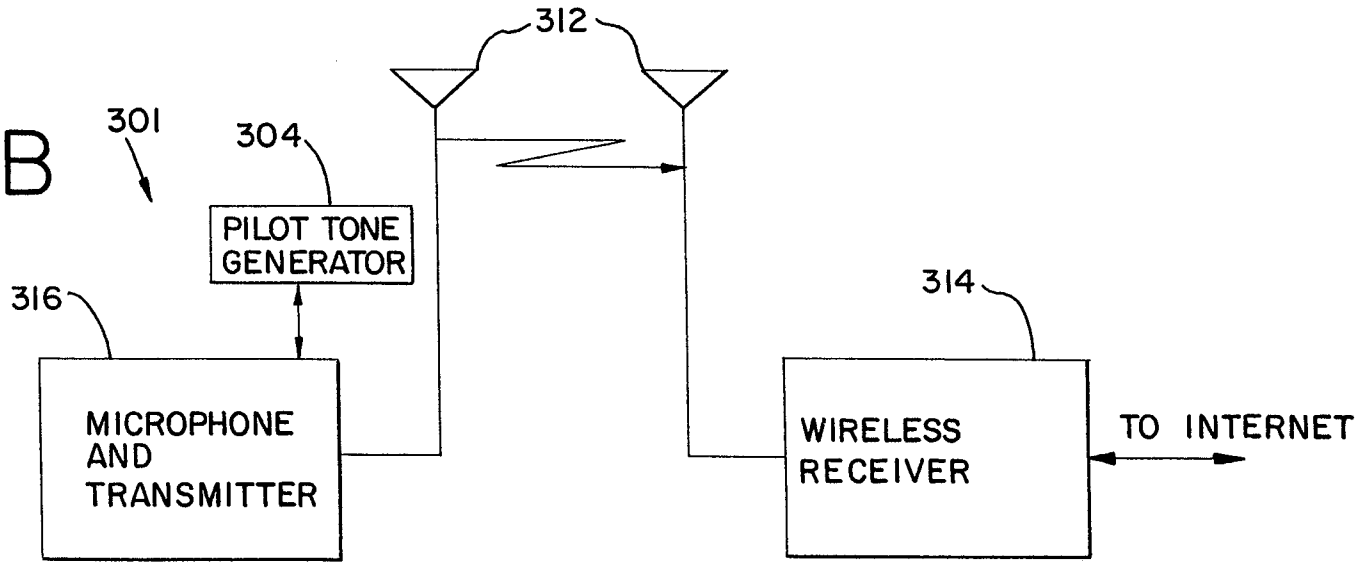

300
302
MICROPHONE OR OTHER AUDIO SOURCE
310
TRANSMITTER
304
PILOT TONE GENERATOR
312
314
WIRELESS RECEIVER
TO INTERNET

FIG.3B


301
316
MICROPHONE AND TRANSMITTER
304
PILOT TONE GENERATOR
312
314
WIRELESS RECEIVER
TO INTERNET

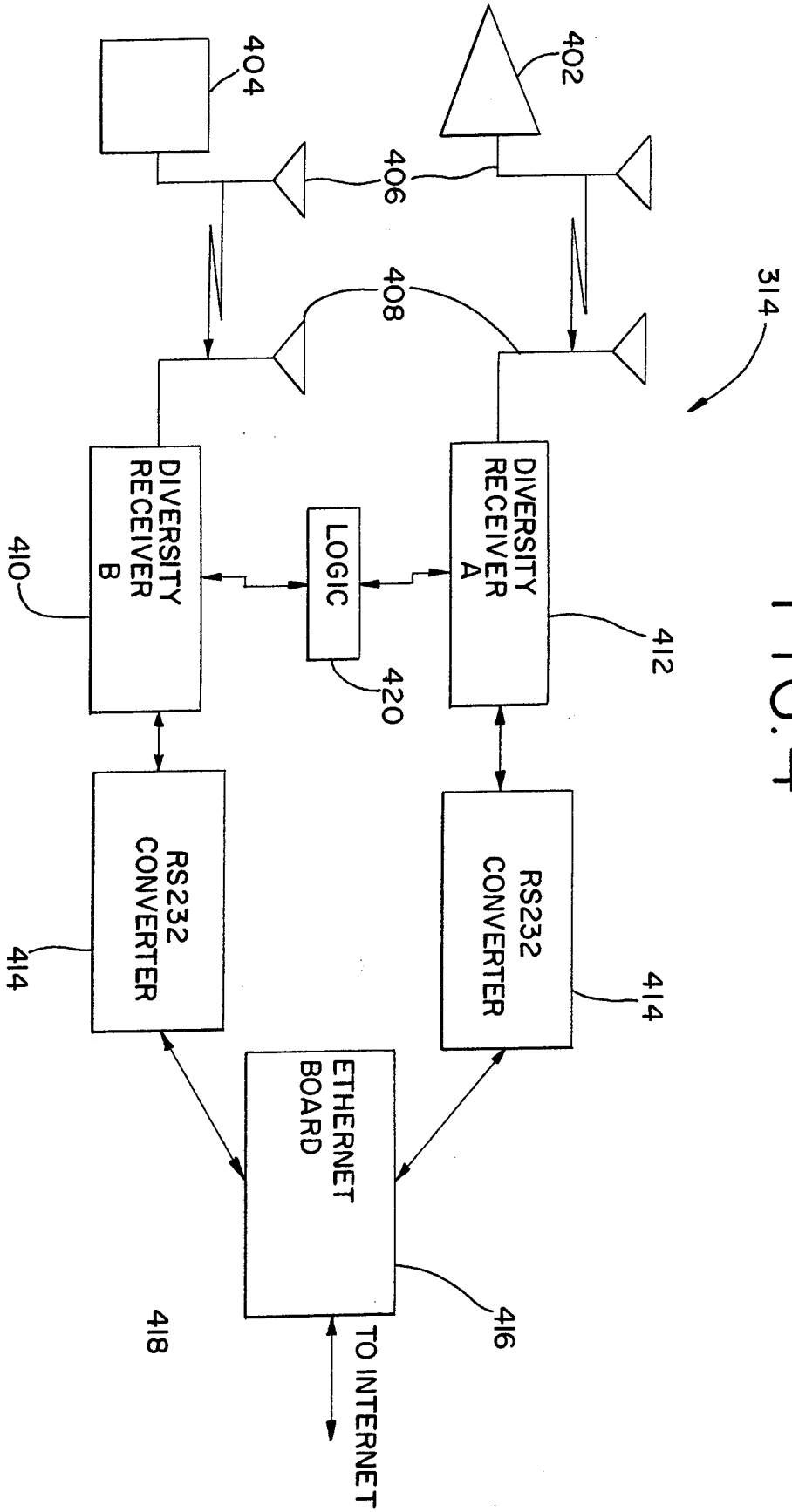
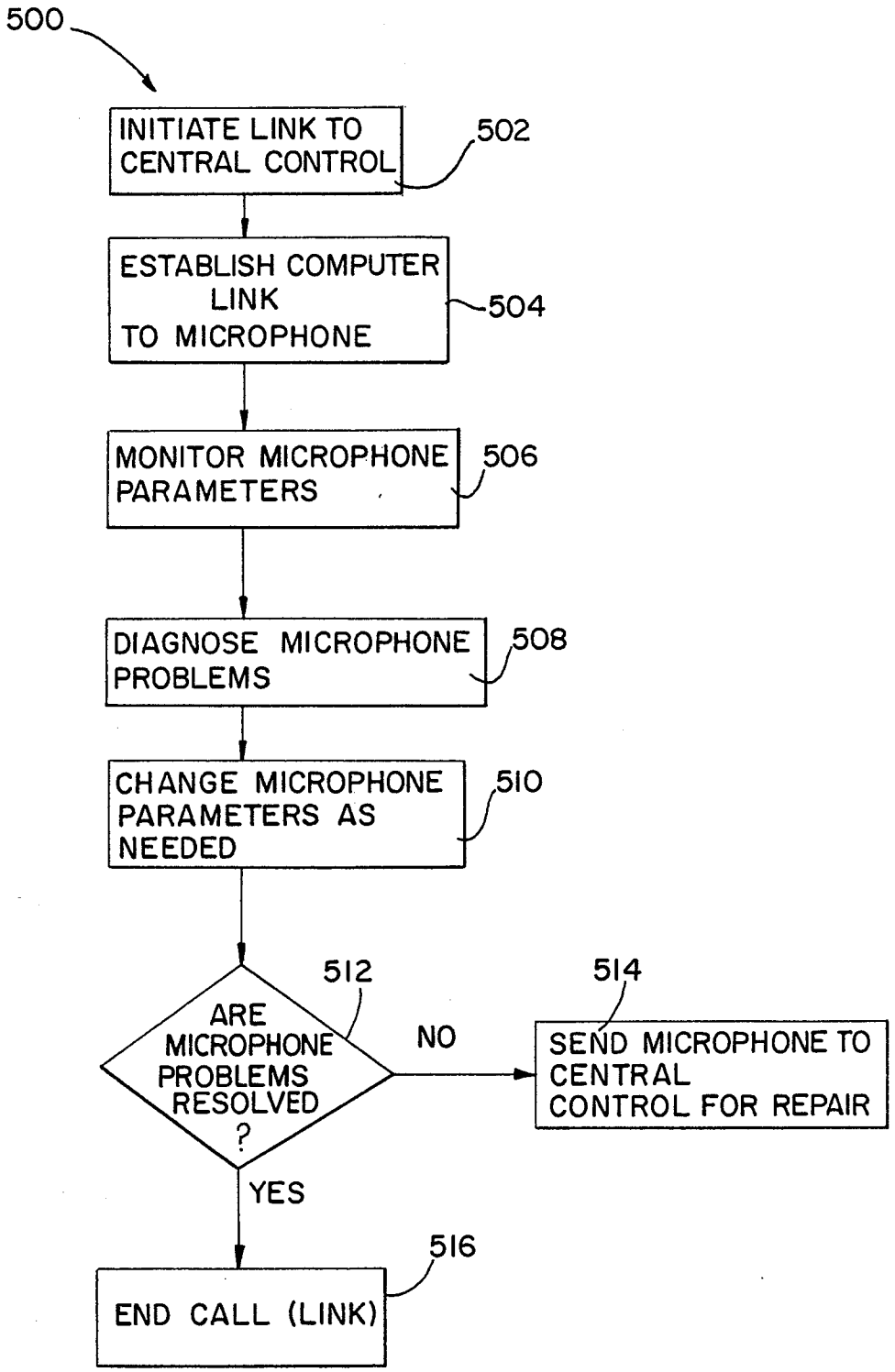

404
402
406
408
314
DIVERSITY RECEIVER B
LOGIC
DIVERSITY RECEIVER A
410
420
412
RS232 CONVERTER
RS232 CONVERTER
414
414
ETHERNET BOARD
418
416
TO INTERNET

FIG.4

FIG. 5


500
INITIATE LINK TO CENTRAL CONTROL
502
ESTABLISH COMPUTER LINK TO MICROPHONE
504
MONITOR MICROPHONE PARAMETERS
506
DIAGNOSE MICROPHONE PROBLEMS
508
CHANGE MICROPHONE PARAMETERS AS NEEDED
510
512
ARE MICROPHONE PROBLEMS RESOLVED ?
NO
514
SEND MICROPHONE TO CENTRAL CONTROL FOR REPAIR
YES
516
END CALL (LINK)

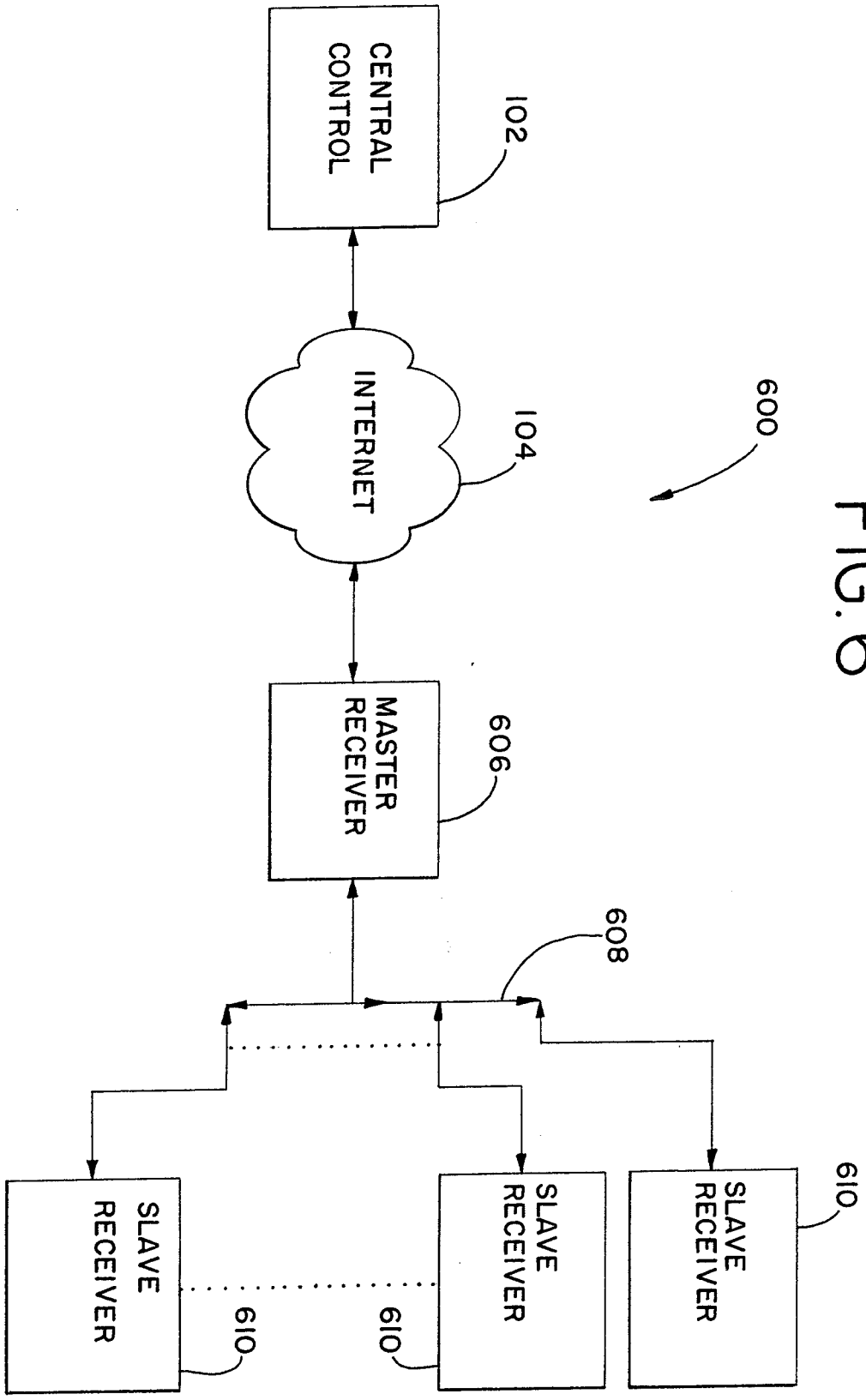

CENTRAL CONTROL
102
INTERNET
104
600
MASTER RECEIVER
606
608
SLAVE RECEIVER
610
SLAVE RECEIVER
610
SLAVE RECEIVER
610

FIG. 6

FIG.7

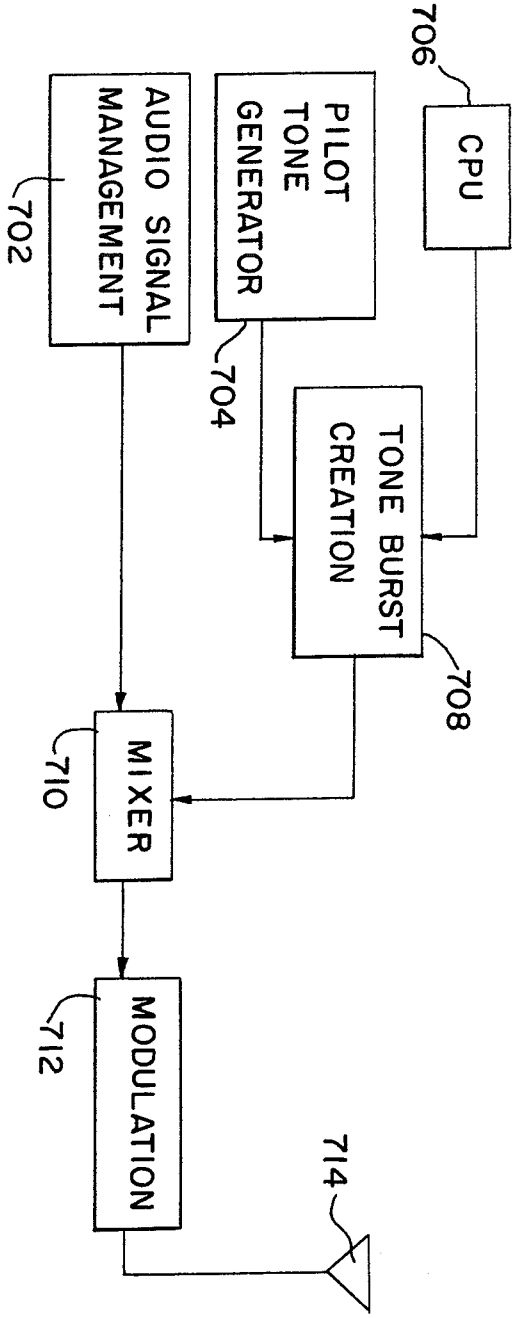
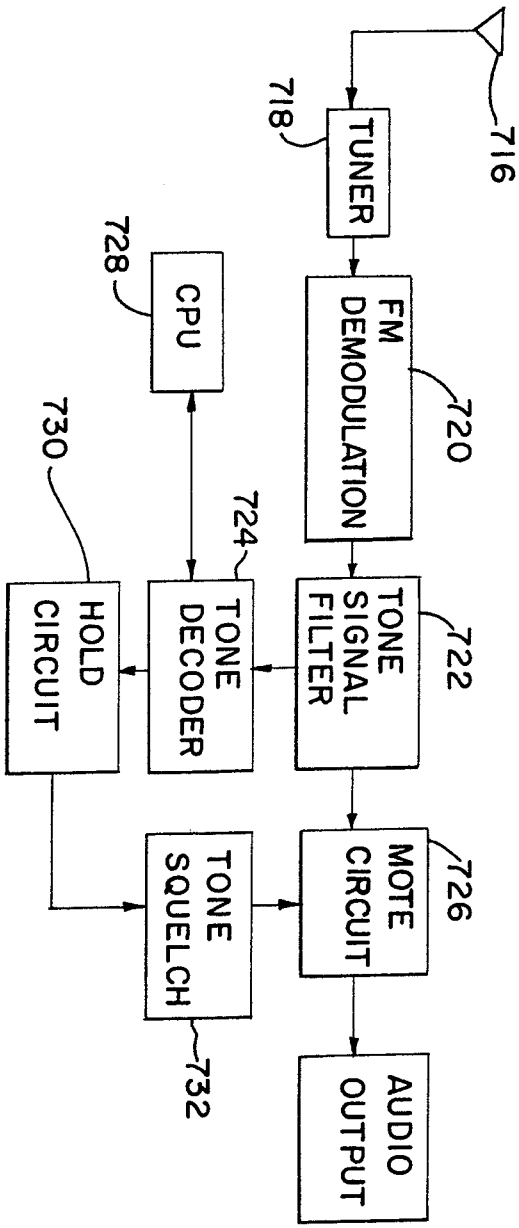

706
CPU
PILOT TONE GENERATOR
704
AUDIO SIGNAL MANAGEMENT
702
TONE BURST CREATION
708
MIXER
710
MODULATION
712
714

FIG.8


716
718
TUNER
728
CPU
FM DEMODULATION
720
730
724
HOLD CIRCUIT
TONE DECODER
TONE SIGNAL FILTER
722
TONE SQUELCH
732
MOTE CIRCUIT
726
AUDIO OUTPUT

13 January 2006

FIG.9A

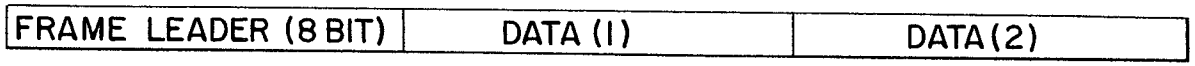


FIG.9B

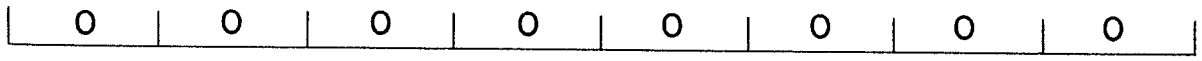
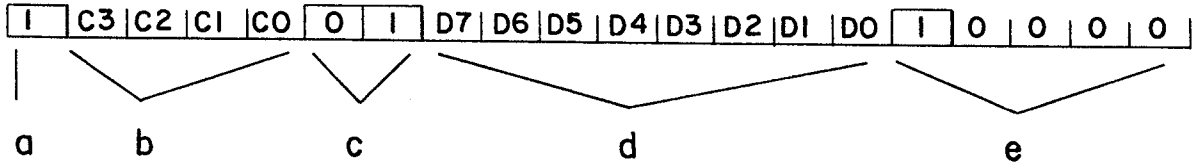


FIG.9C



a. START BIT (1 BIT)
b. INDEX (4 BIT)
c. SEPARATOR (2 BIT)
d. DATA (8 BIT)
e. STOP SEQUENCE (5 BIT)