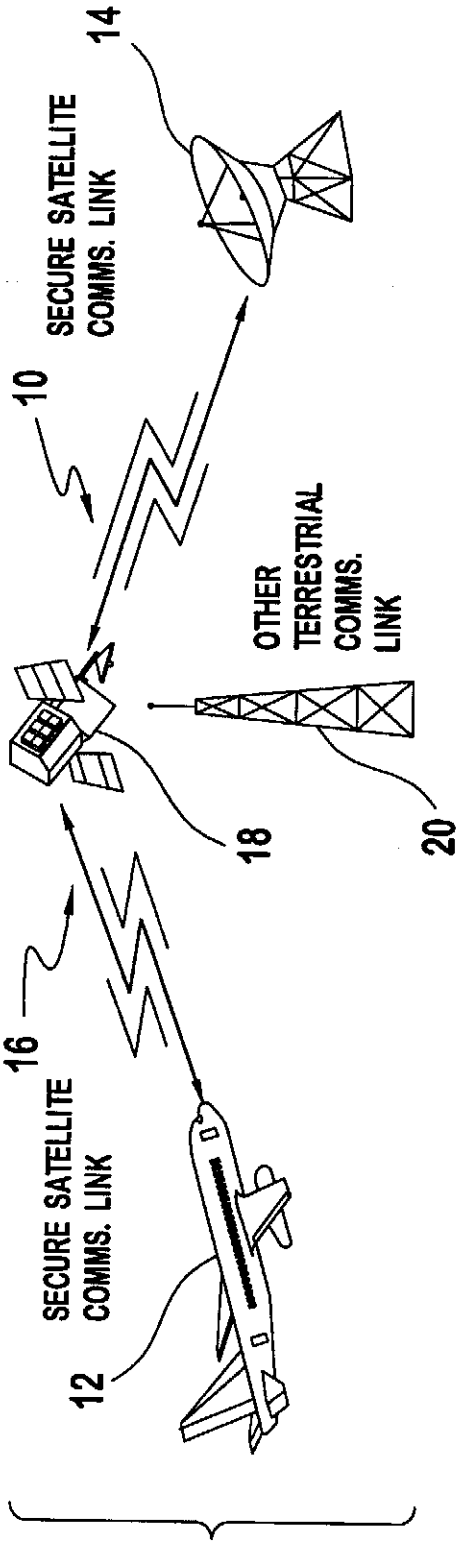

14
SECURE SATELLITE COMMS. LINK
10
OTHER TERRESTRIAL COMMS. LINK
18
20
16
SECURE SATELLITE COMMS. LINK
12

FIG. 1

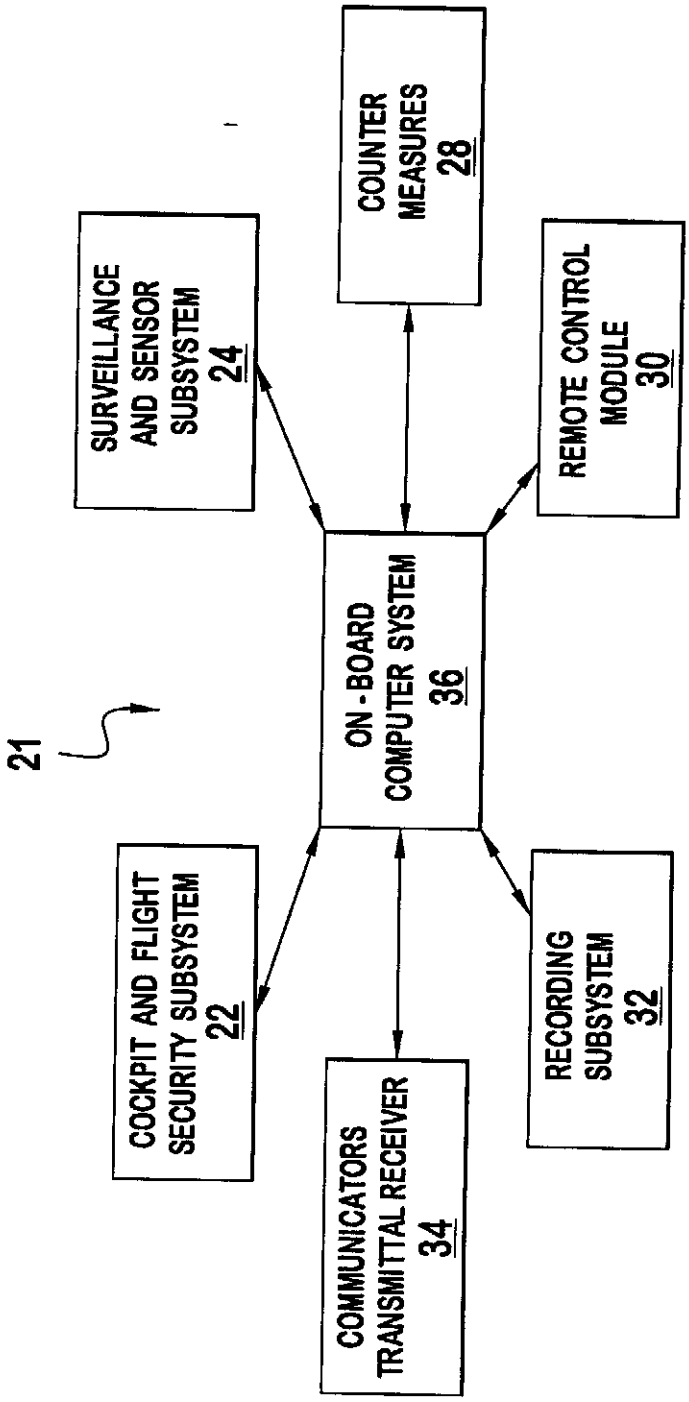

SURVEILLANCE AND SENSOR SUBSYSTEM 24
COUNTER MEASURES 28
REMOTE CONTROL MODULE 30
21
ON-BOARD COMPUTER SYSTEM 36
COCKPIT AND FLIGHT SECURITY SUBSYSTEM 22
COMMUNICATORS TRANSMITTAL RECEIVER 34
RECORDING SUBSYSTEM 32

FIG. 2

FIG. 3

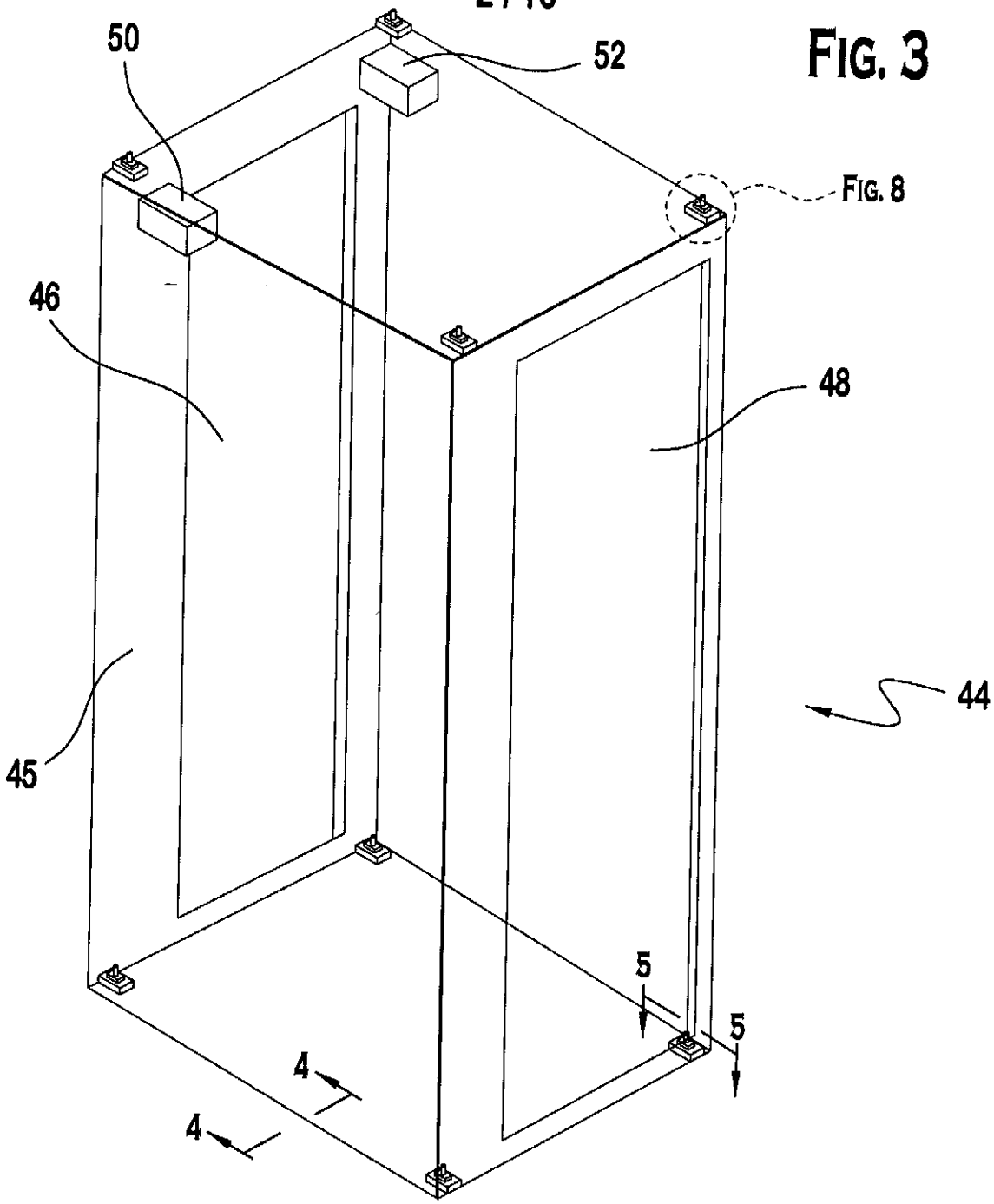


FIG. 4

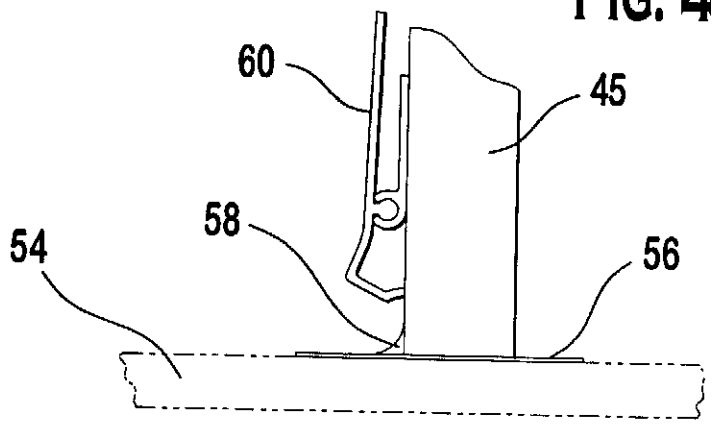


FIG. 5

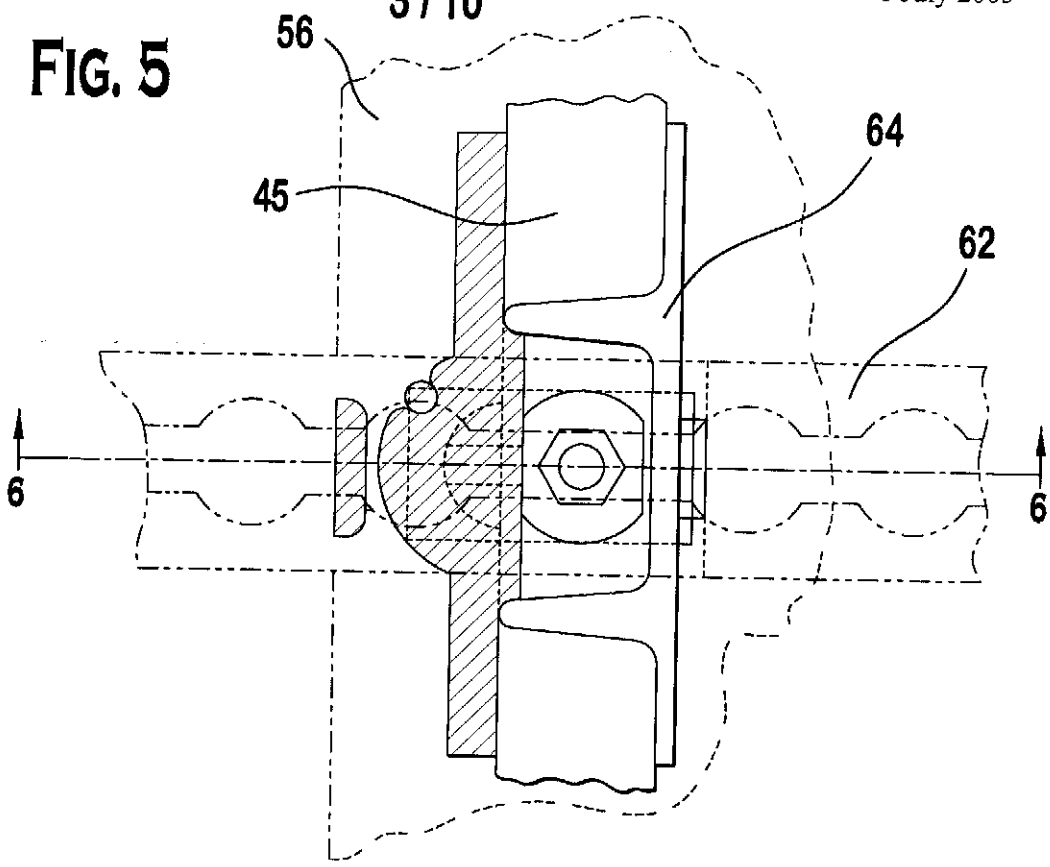


FIG. 6

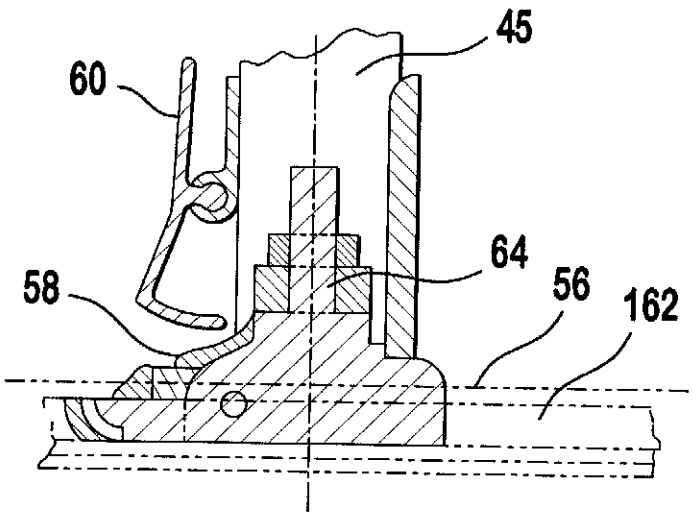


FIG. 7

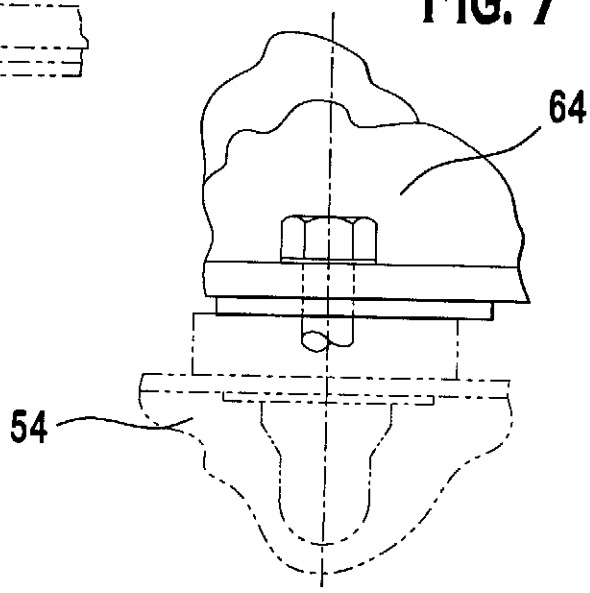


FIG. 8

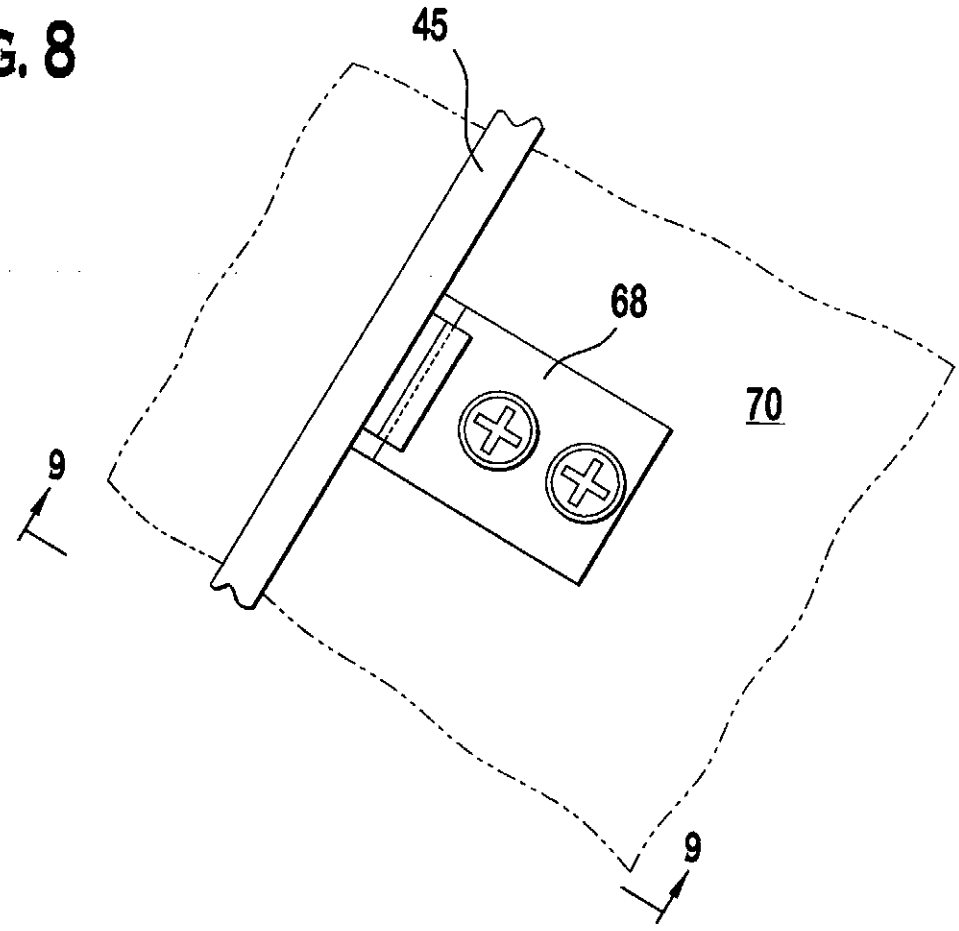
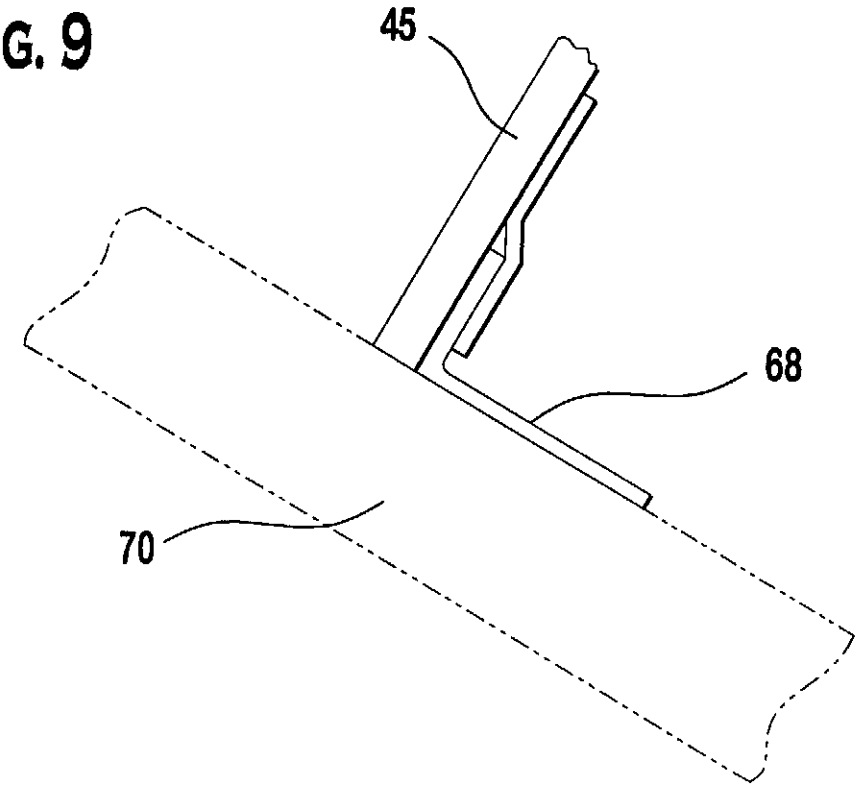


FIG. 9



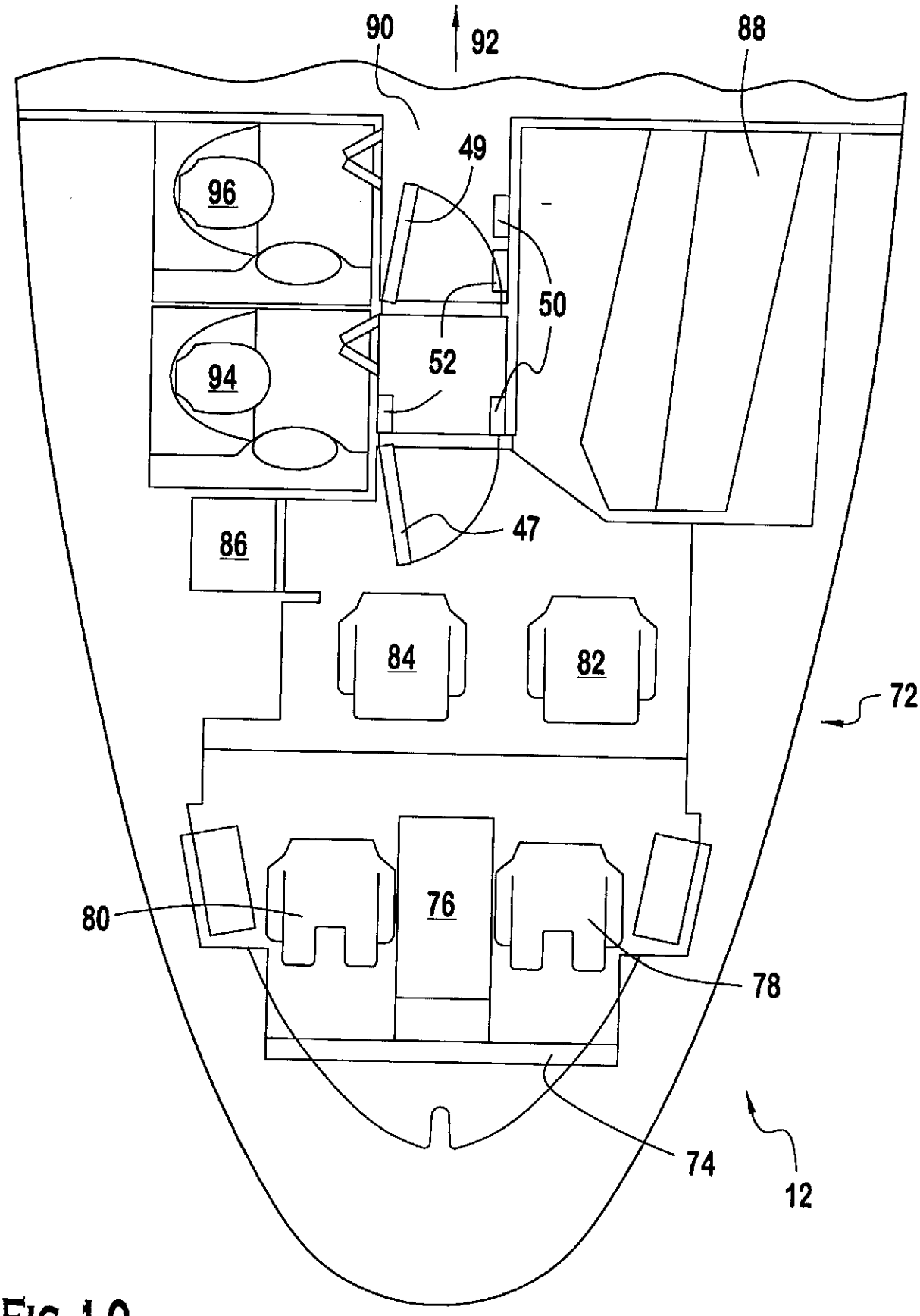


FIG. 10

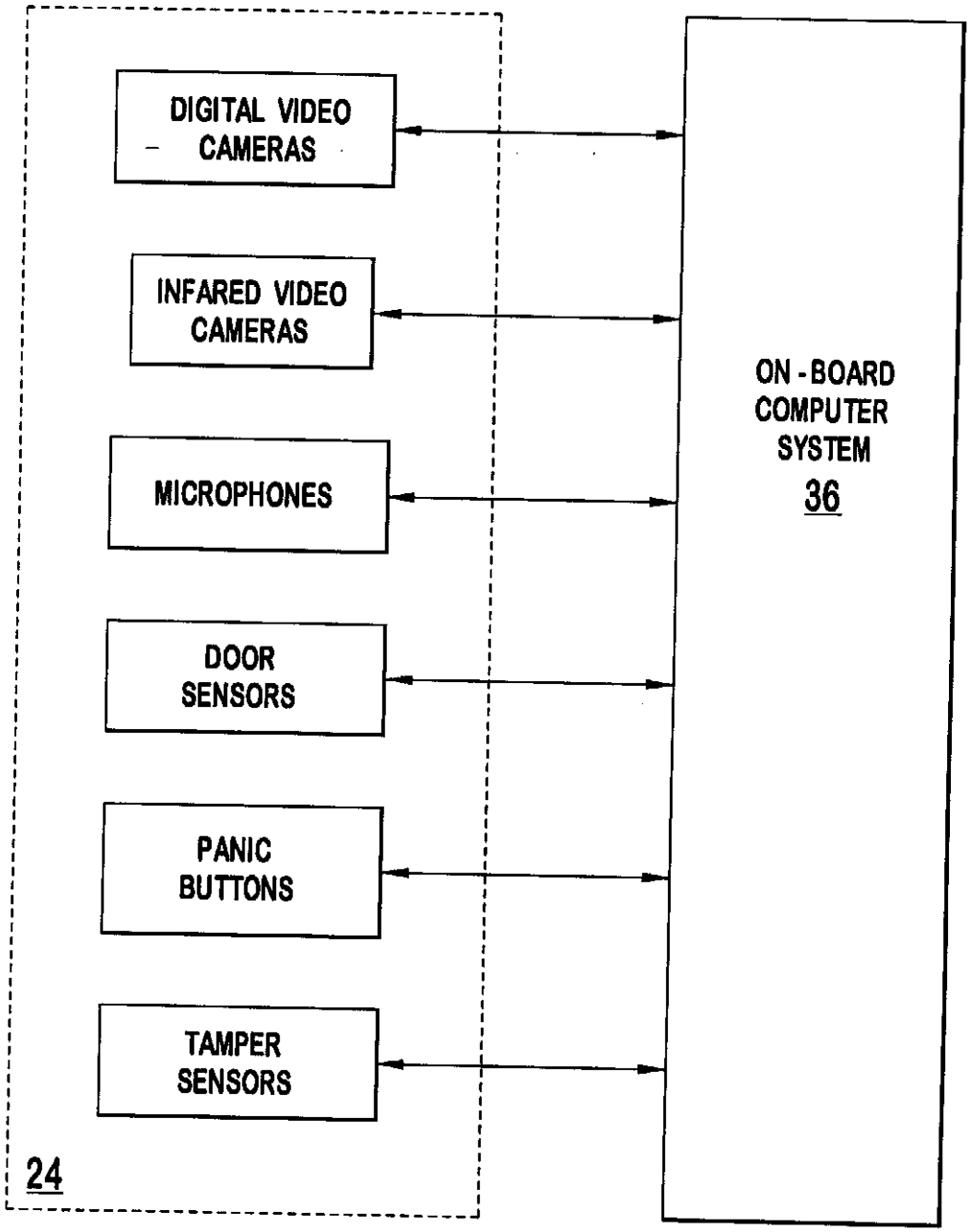

DIGITAL VIDEO CAMERAS
INFARED VIDEO CAMERAS
MICROPHONES
DOOR SENSORS
PANIC BUTTONS
TAMPER SENSORS
24
ON-BOARD COMPUTER SYSTEM
36

FIG. 11

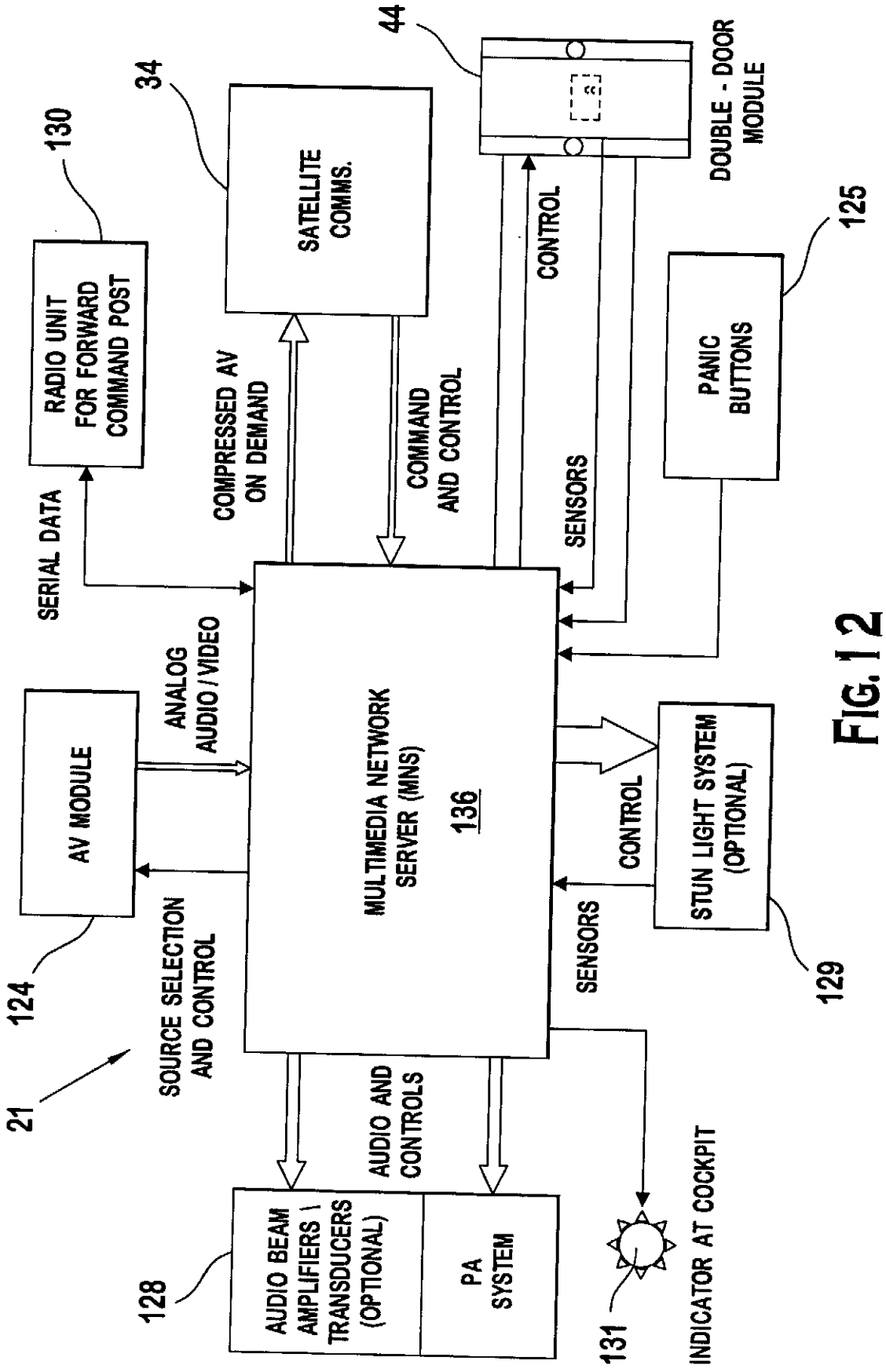

44
DOUBLE - DOOR MODULE
34
SATELLITE COMMS.
130
RADIO UNIT FOR FORWARD COMMAND POST
CONTROL
125
PANIC BUTTONS
COMPRESSED AV ON DEMAND
COMMAND AND CONTROL
SENSORS
SERIAL DATA
ANALOG AUDIO / VIDEO
AV MODULE
MULTIMEDIA NETWORK SERVER (MNS)
136
CONTROL
STUN LIGHT SYSTEM (OPTIONAL)
124
SOURCE SELECTION AND CONTROL
SENSORS
129
21
AUDIO AND CONTROLS
128
AUDIO BEAM AMPLIFIERS \ TRANSDUCERS (OPTIONAL)
PA SYSTEM
131
INDICATOR AT COCKPIT

FIG. 12

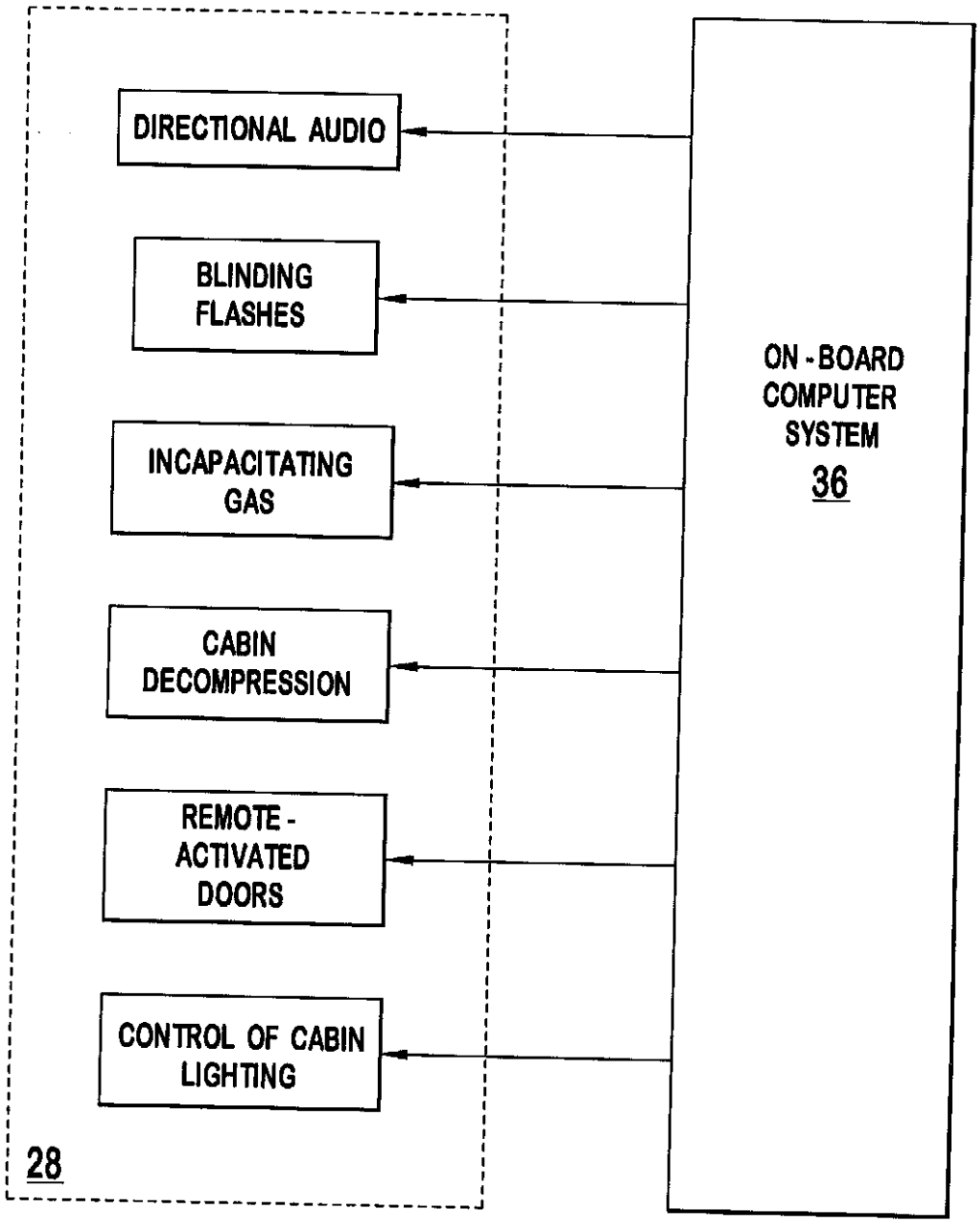

DIRECTIONAL AUDIO
BLINDING FLASHES
INCAPACITATING GAS
CABIN DECOMPRESSION
REMOTE-ACTIVATED DOORS
CONTROL OF CABIN LIGHTING
28
ON-BOARD COMPUTER SYSTEM
36

FIG. 13

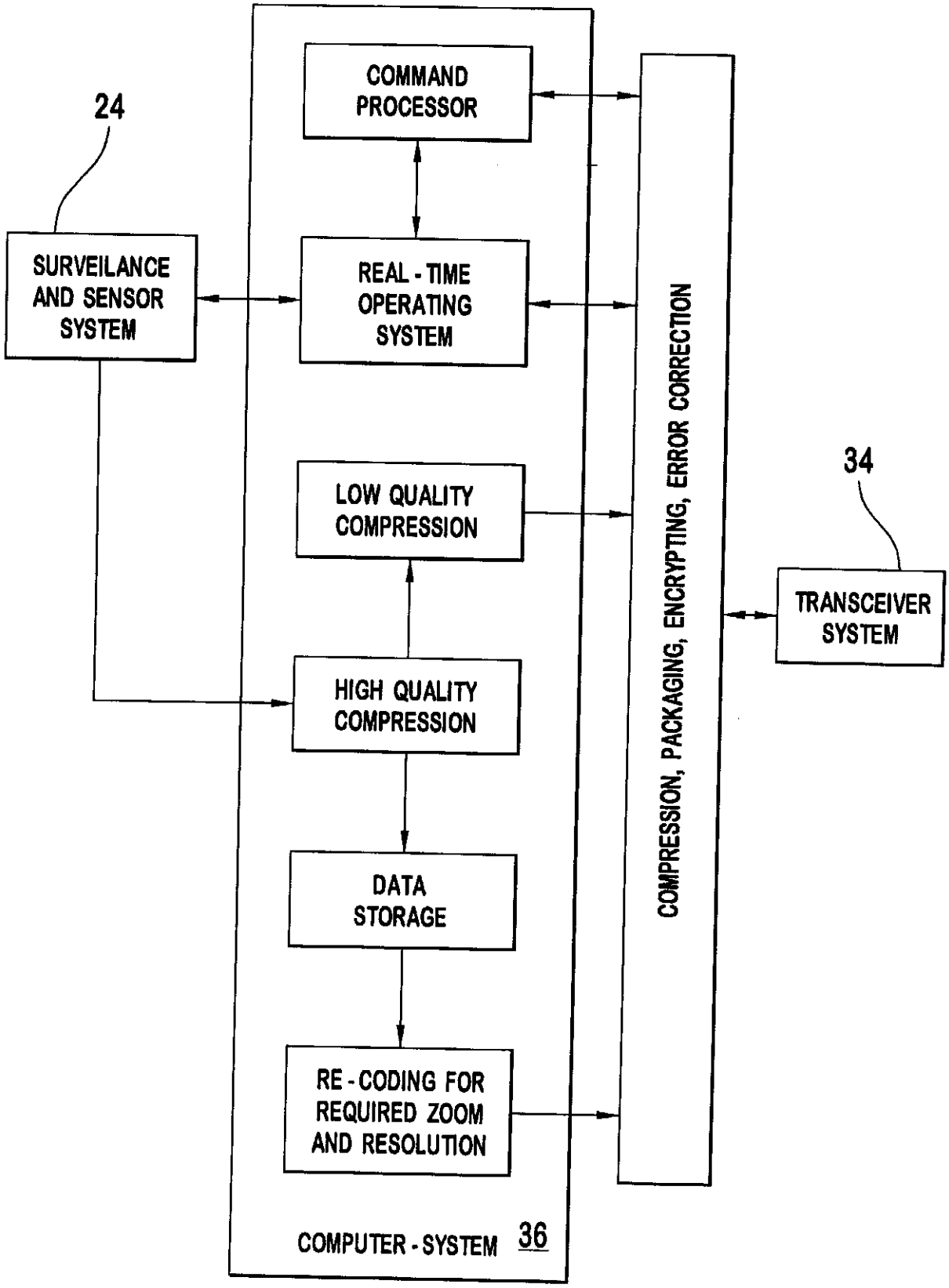

24
SURVEILANCE AND SENSOR SYSTEM
COMMAND PROCESSOR
REAL - TIME OPERATING SYSTEM
LOW QUALITY COMPRESSION
HIGH QUALITY COMPRESSION
DATA STORAGE
RE - CODING FOR REQUIRED ZOOM AND RESOLUTION
COMPUTER - SYSTEM 36
COMPRESSION, PACKAGING, ENCRYPTING, ERROR CORRECTION
34
TRANSCEIVER SYSTEM

FIG. 14

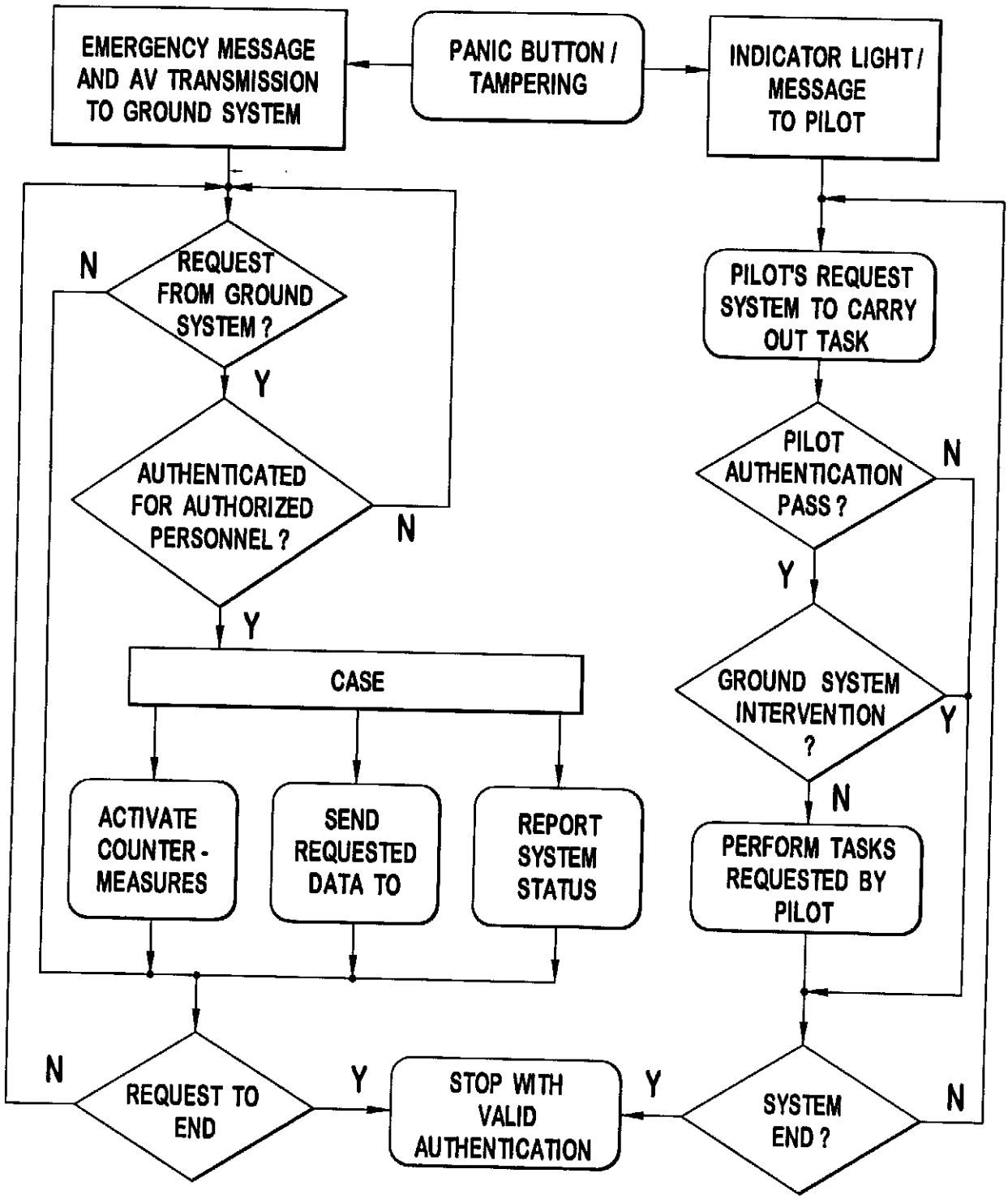

EMERGENCY MESSAGE AND AV TRANSMISSION TO GROUND SYSTEM
PANIC BUTTON / TAMPERING
INDICATOR LIGHT / MESSAGE TO PILOT
N
REQUEST FROM GROUND SYSTEM ?
Y
AUTHENTICATED FOR AUTHORIZED PERSONNEL ?
N
Y
CASE
ACTIVATE COUNTER-MEASURES
SEND REQUESTED DATA TO
REPORT SYSTEM STATUS
PILOT'S REQUEST SYSTEM TO CARRY OUT TASK
PILOT AUTHENTICATION PASS ?
N
Y
GROUND SYSTEM INTERVENTION ?
Y
N
PERFORM TASKS REQUESTED BY PILOT
N
REQUEST TO END
Y
STOP WITH VALID AUTHENTICATION
Y
SYSTEM END ?
N

FIG. 15