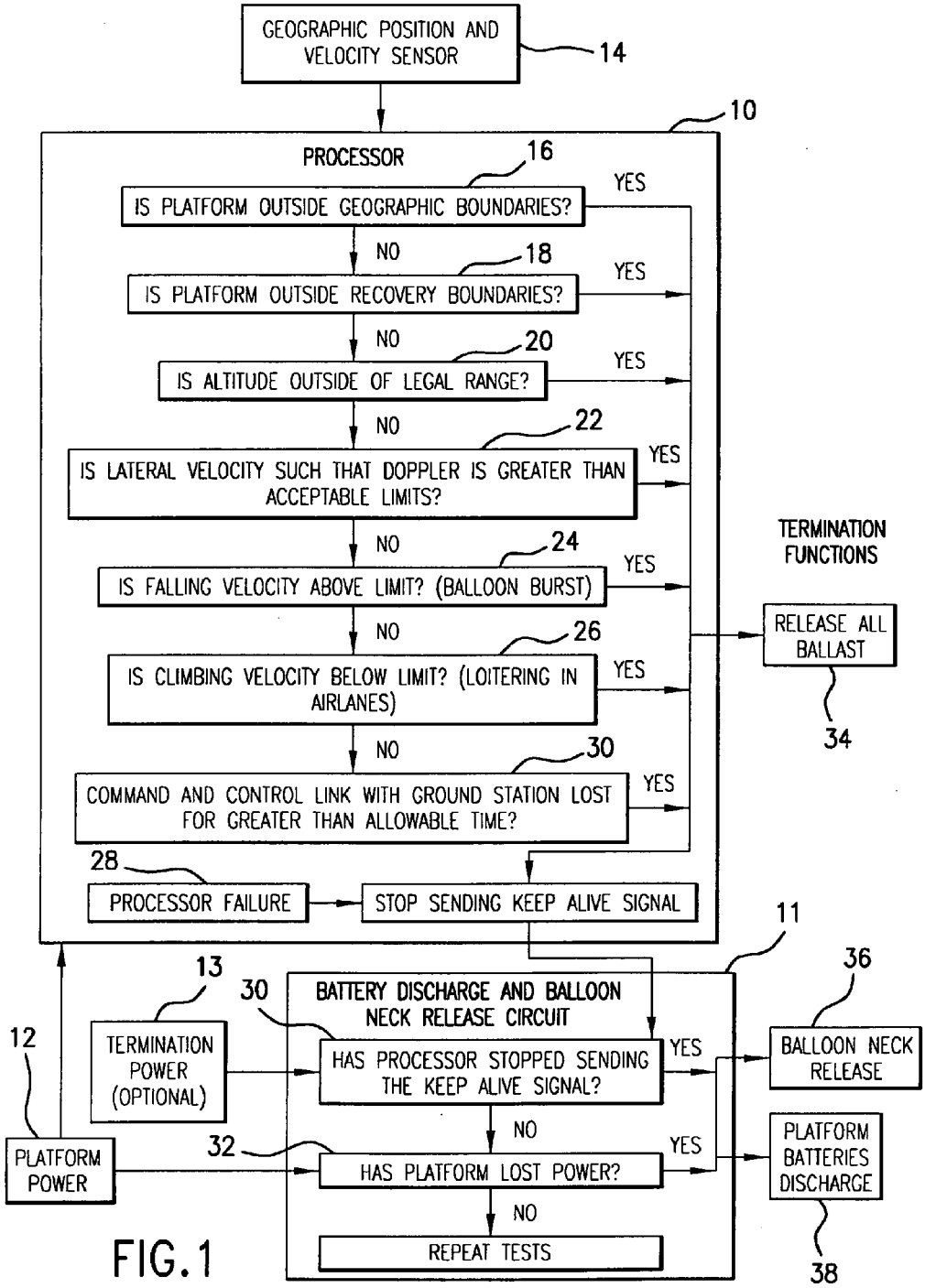
GEOGRAPHIC POSITION AND VELOCITY SENSOR
14
10
PROCESSOR
16
IS PLATFORM OUTSIDE GEOGRAPHIC BOUNDARIES?
YES
NO
18
IS PLATFORM OUTSIDE RECOVERY BOUNDARIES?
YES
NO
20
IS ALTITUDE OUTSIDE OF LEGAL RANGE?
YES
NO
22
IS LATERAL VELOCITY SUCH THAT DOPPLER IS GREATER THAN ACCEPTABLE LIMITS?
YES
NO
24
IS FALLING VELOCITY ABOVE LIMIT? (BALLOON BURST)
YES
NO
26
IS CLIMBING VELOCITY BELOW LIMIT? (LOITERING IN AIRLANES)
YES
NO
30
COMMAND AND CONTROL LINK WITH GROUND STATION LOST FOR GREATER THAN ALLOWABLE TIME?
YES
28
PROCESSOR FAILURE
STOP SENDING KEEP ALIVE SIGNAL
TERMINATION FUNCTIONS
RELEASE ALL BALLAST
34
11
13
30
BATTERY DISCHARGE AND BALLOON NECK RELEASE CIRCUIT
36
12
TERMINATION POWER (OPTIONAL)
HAS PROCESSOR STOPPED SENDING THE KEEP ALIVE SIGNAL?
YES
BALLOON NECK RELEASE
NO
32
PLATFORM POWER
HAS PLATFORM LOST POWER?
YES
PLATFORM BATTERIES DISCHARGE
NO
REPEAT TESTS
38

FIG. 1