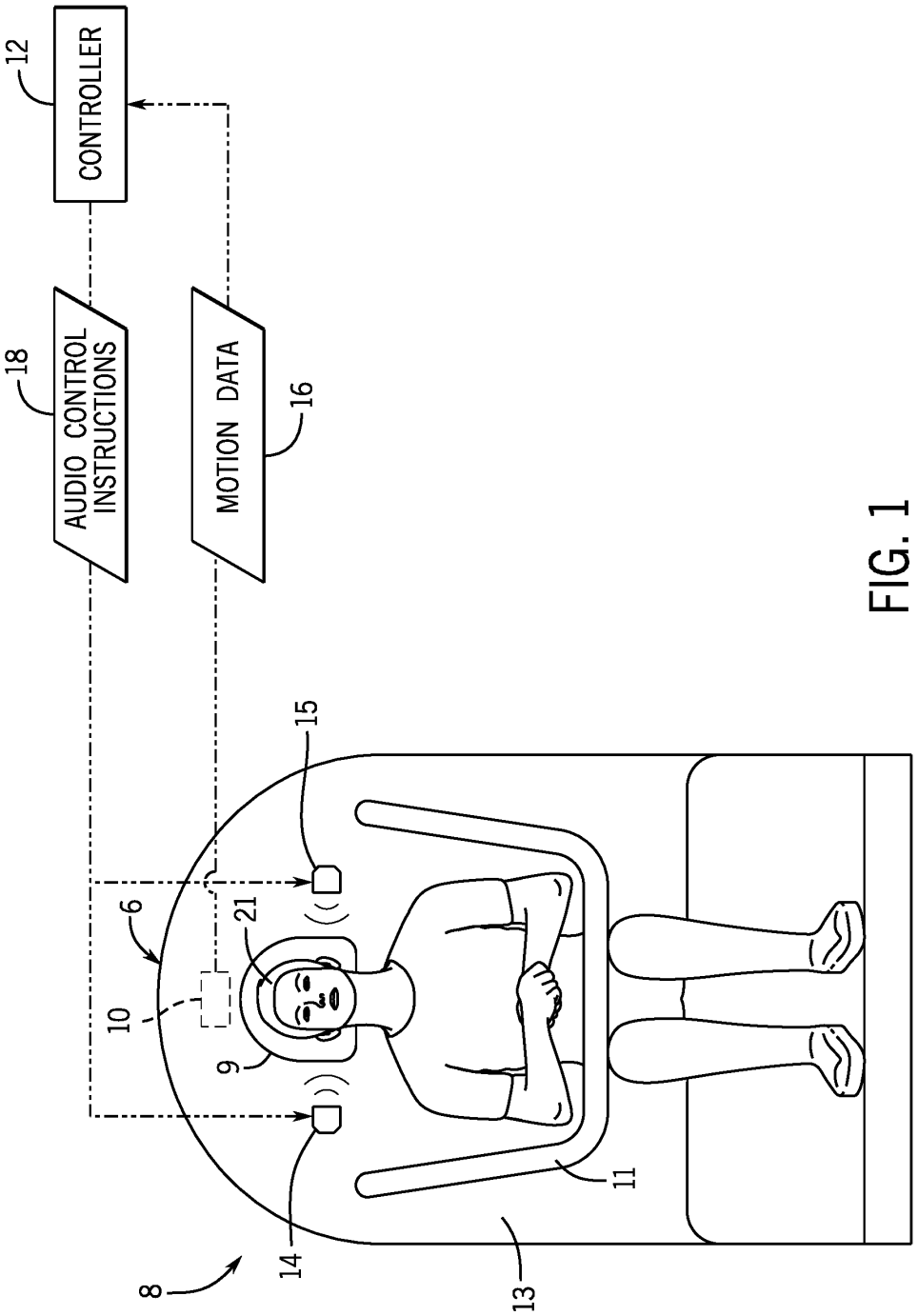
12
CONTROLLER
18
AUDIO CONTROL INSTRUCTIONS
MOTION DATA
16
15
6
21
10
9
14
8
11
13

FIG. 1

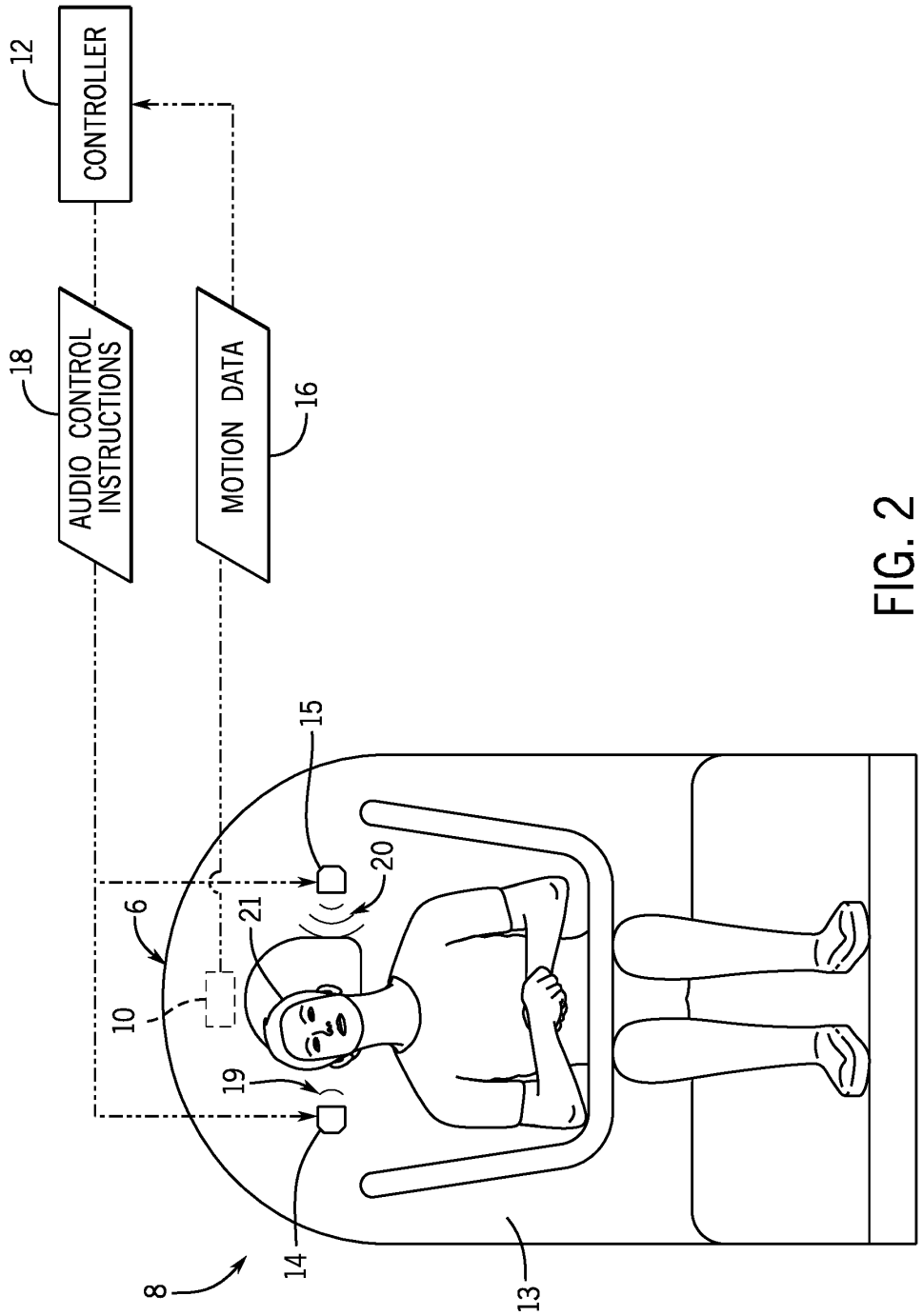
12
CONTROLLER
18
AUDIO CONTROL INSTRUCTIONS
16
MOTION DATA
15
20
21
6
10
19
14
8
13

FIG. 2

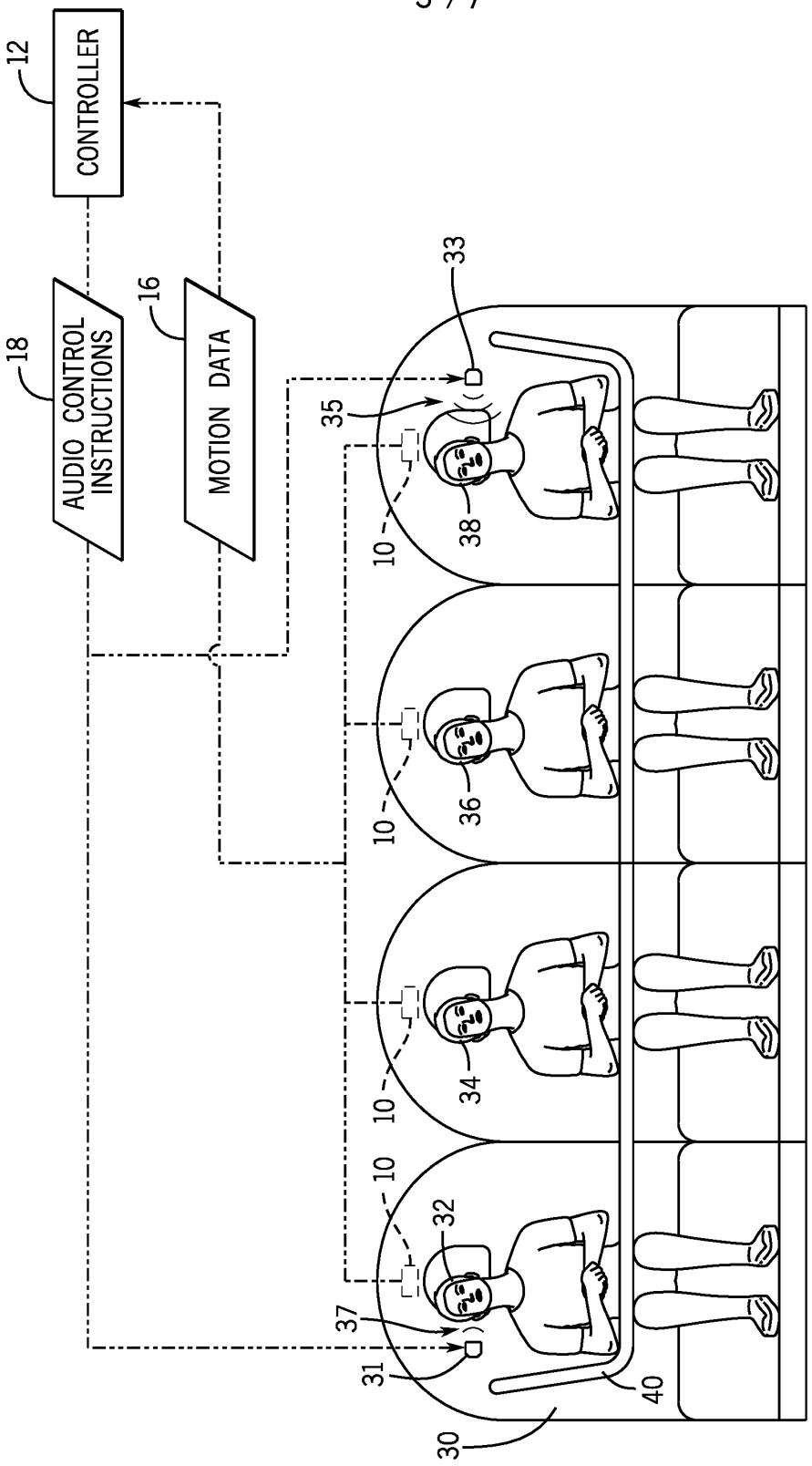
12
CONTROLLER
18
AUDIO CONTROL INSTRUCTIONS
16
MOTION DATA
33
35
38
10
36
10
34
10
10
32
37
31
30
40

FIG. 3

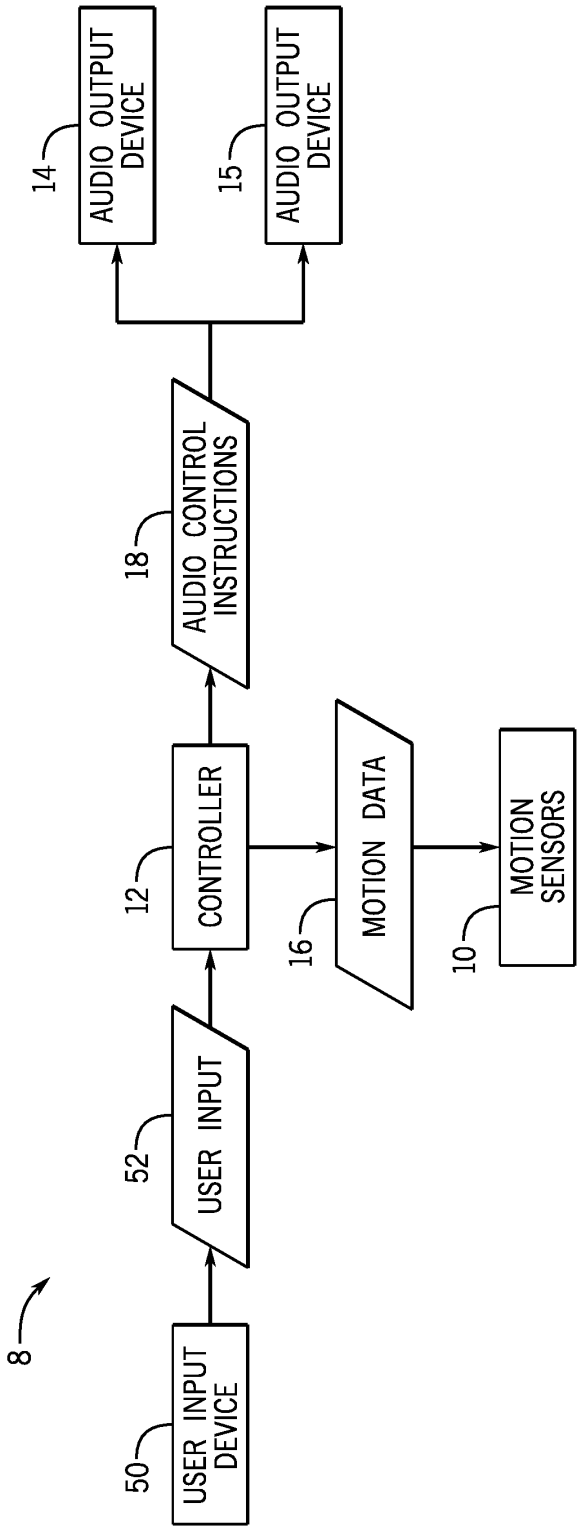
8
50
USER INPUT DEVICE
52
USER INPUT
12
CONTROLLER
16
MOTION DATA
10
MOTION SENSORS
18
AUDIO CONTROL INSTRUCTIONS
14
AUDIO OUTPUT DEVICE
15
AUDIO OUTPUT DEVICE

FIG. 4

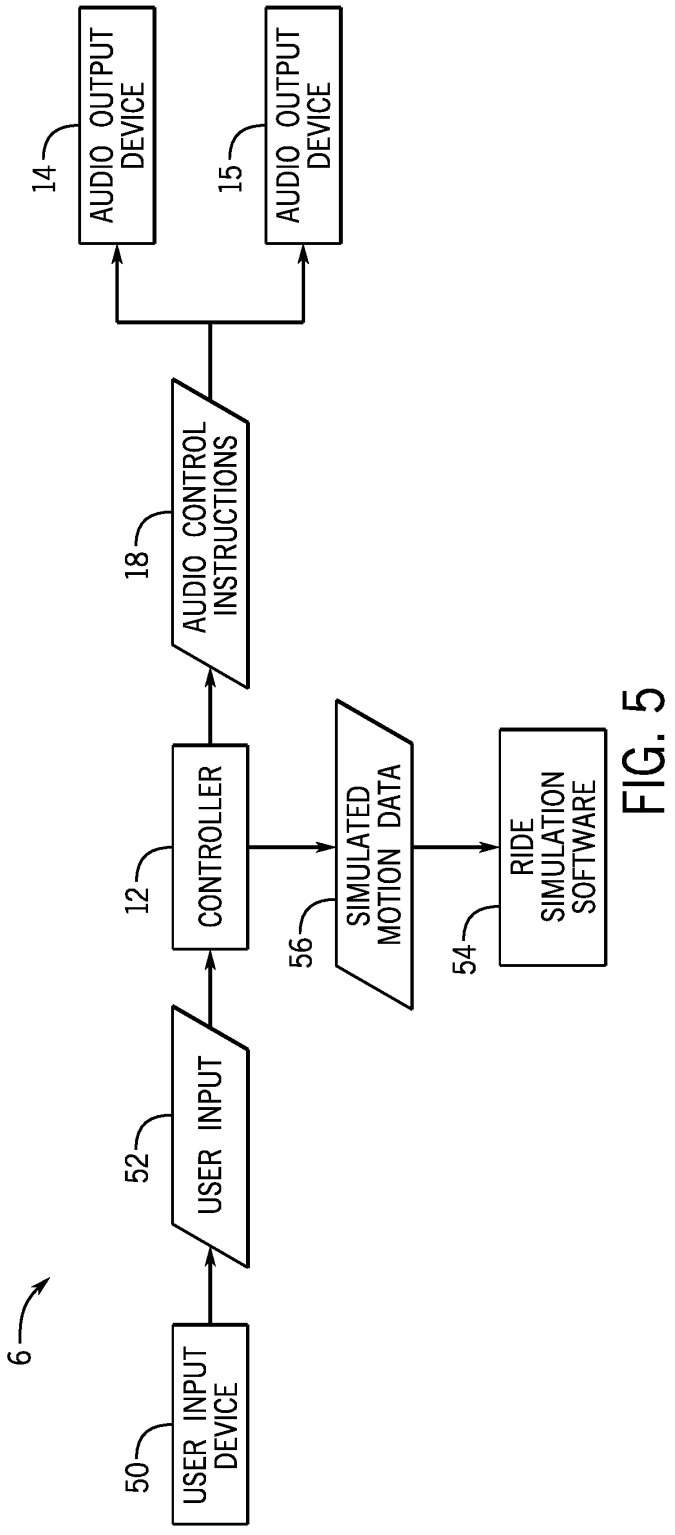
6
50
USER INPUT DEVICE
52
USER INPUT
12
CONTROLLER
18
AUDIO CONTROL INSTRUCTIONS
14
AUDIO OUTPUT DEVICE
15
AUDIO OUTPUT DEVICE
56
SIMULATED MOTION DATA
54
RIDE SIMULATION SOFTWARE

FIG. 5

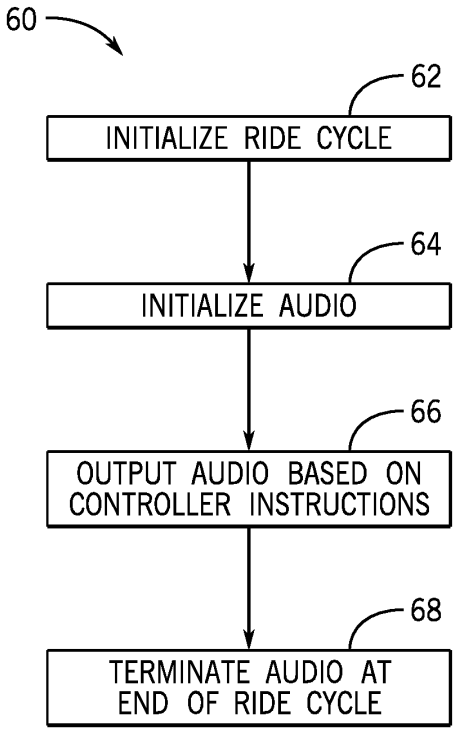
60
62
INITIALIZE RIDE CYCLE
64
INITIALIZE AUDIO
66
OUTPUT AUDIO BASED ON CONTROLLER INSTRUCTIONS
68
TERMINATE AUDIO AT END OF RIDE CYCLE

FIG. 6

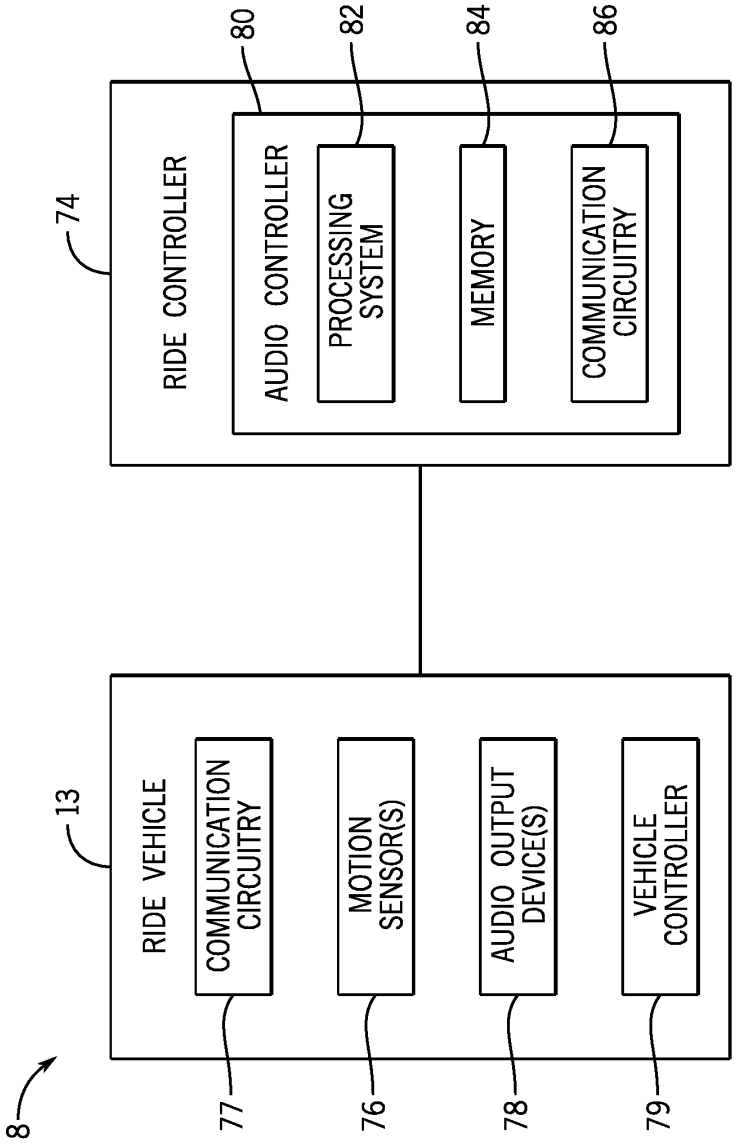
8
13
RIDE VEHICLE
COMMUNICATION CIRCUITRY
MOTION SENSOR(S)
AUDIO OUTPUT DEVICE(S)
VEHICLE CONTROLLER
77
76
78
79
74
RIDE CONTROLLER
AUDIO CONTROLLER
PROCESSING SYSTEM
MEMORY
COMMUNICATION CIRCUITRY
80
82
84
86

FIG. 7