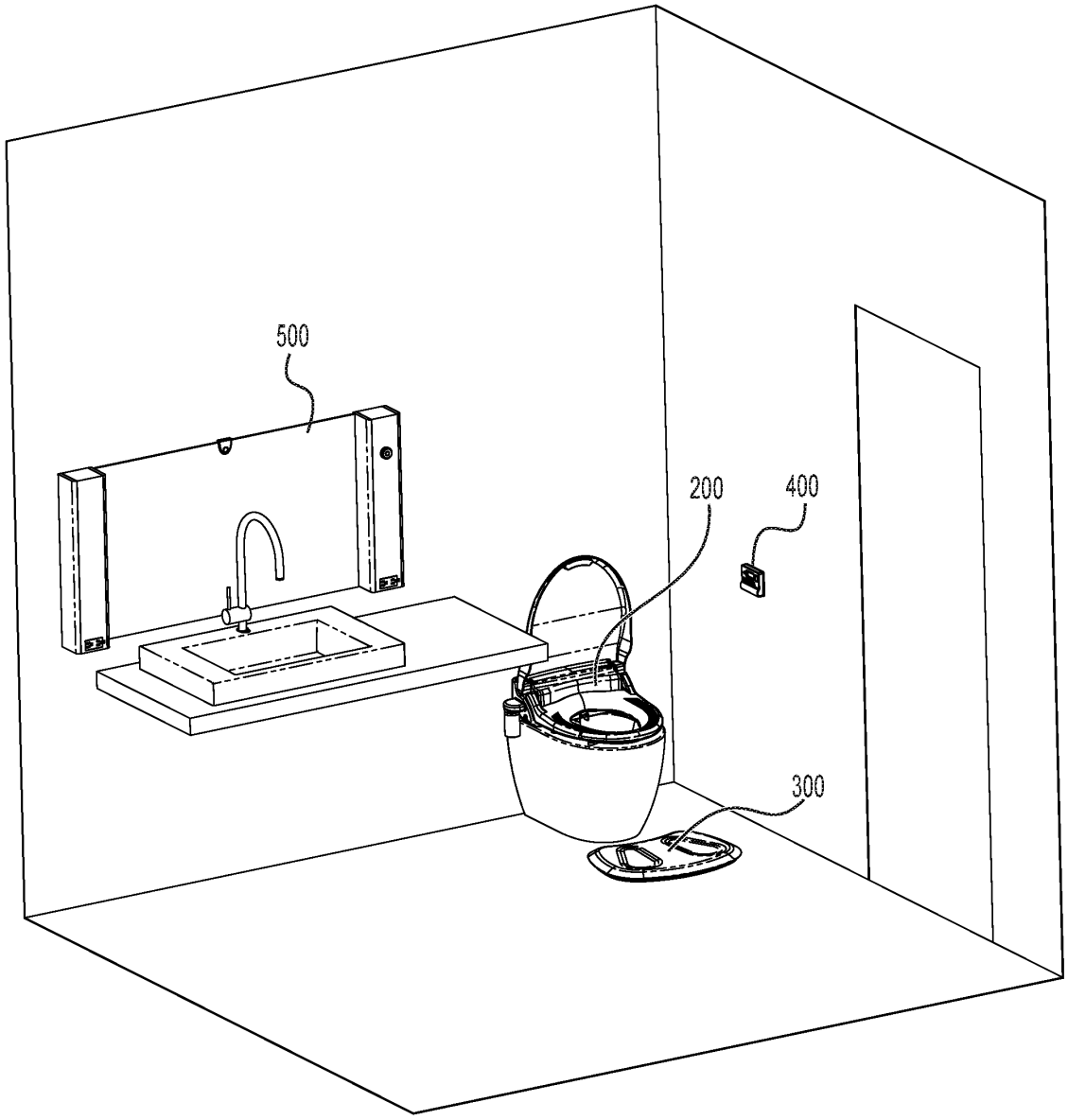


FIG. 1

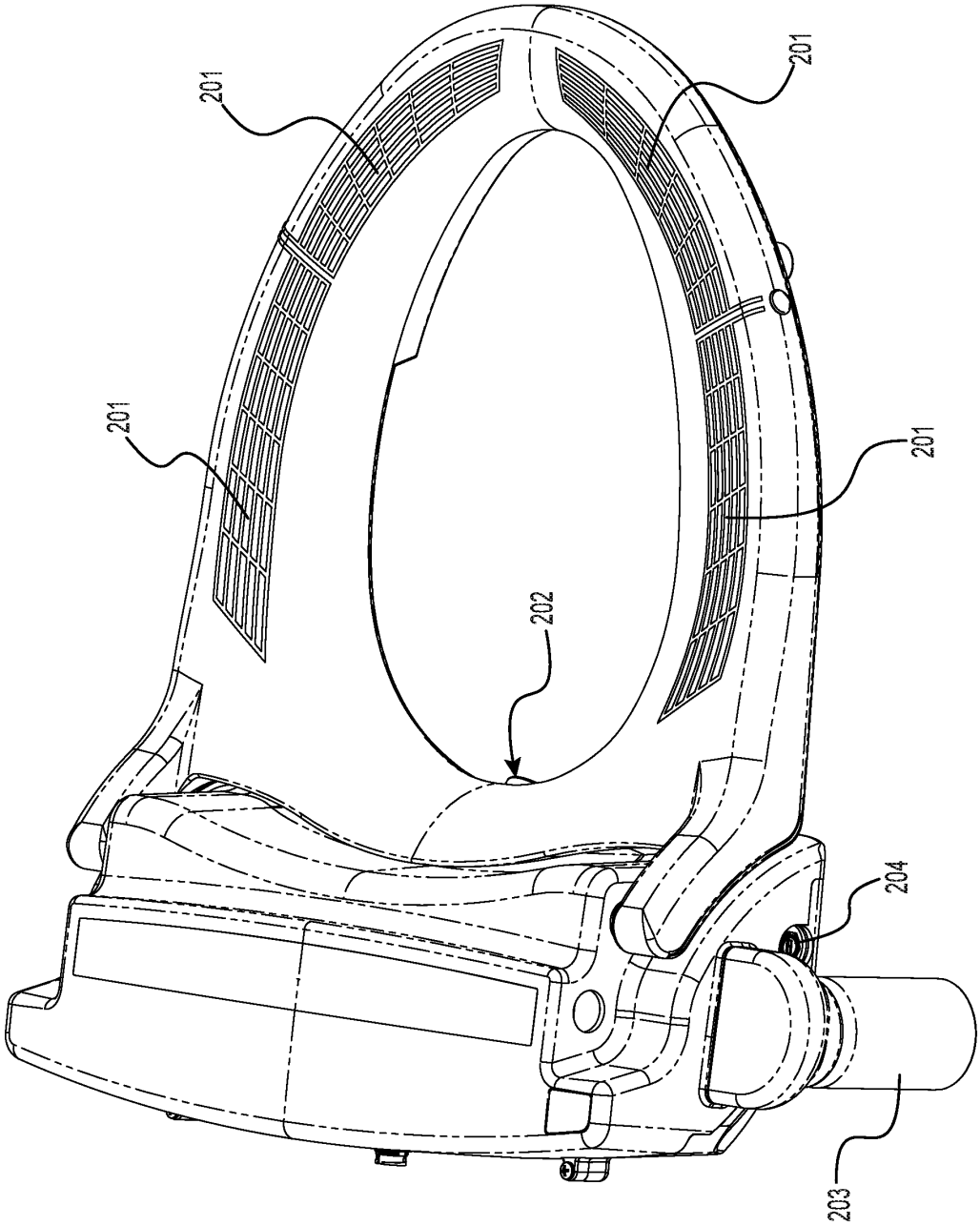


FIG. 2A

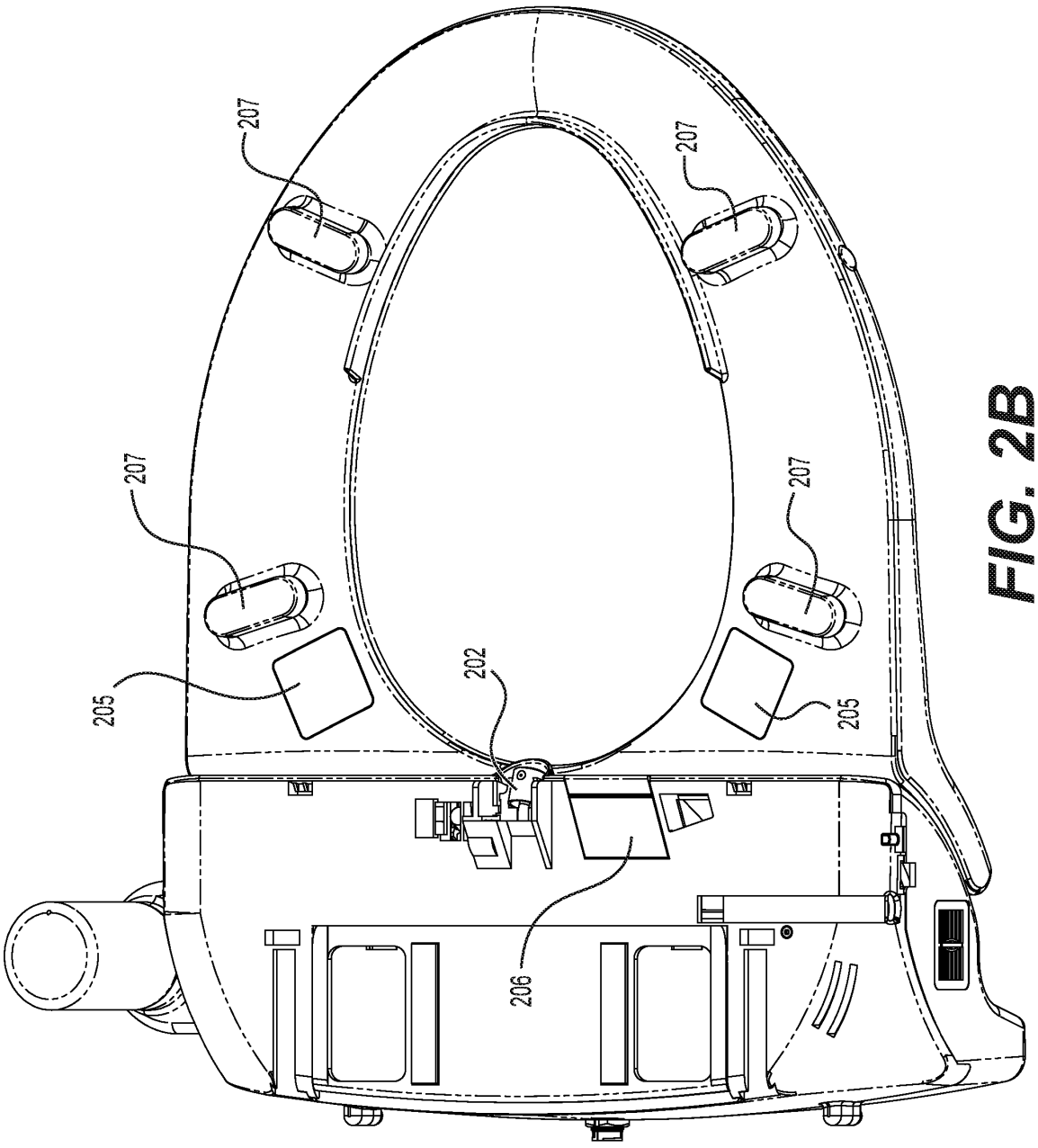


FIG. 2B

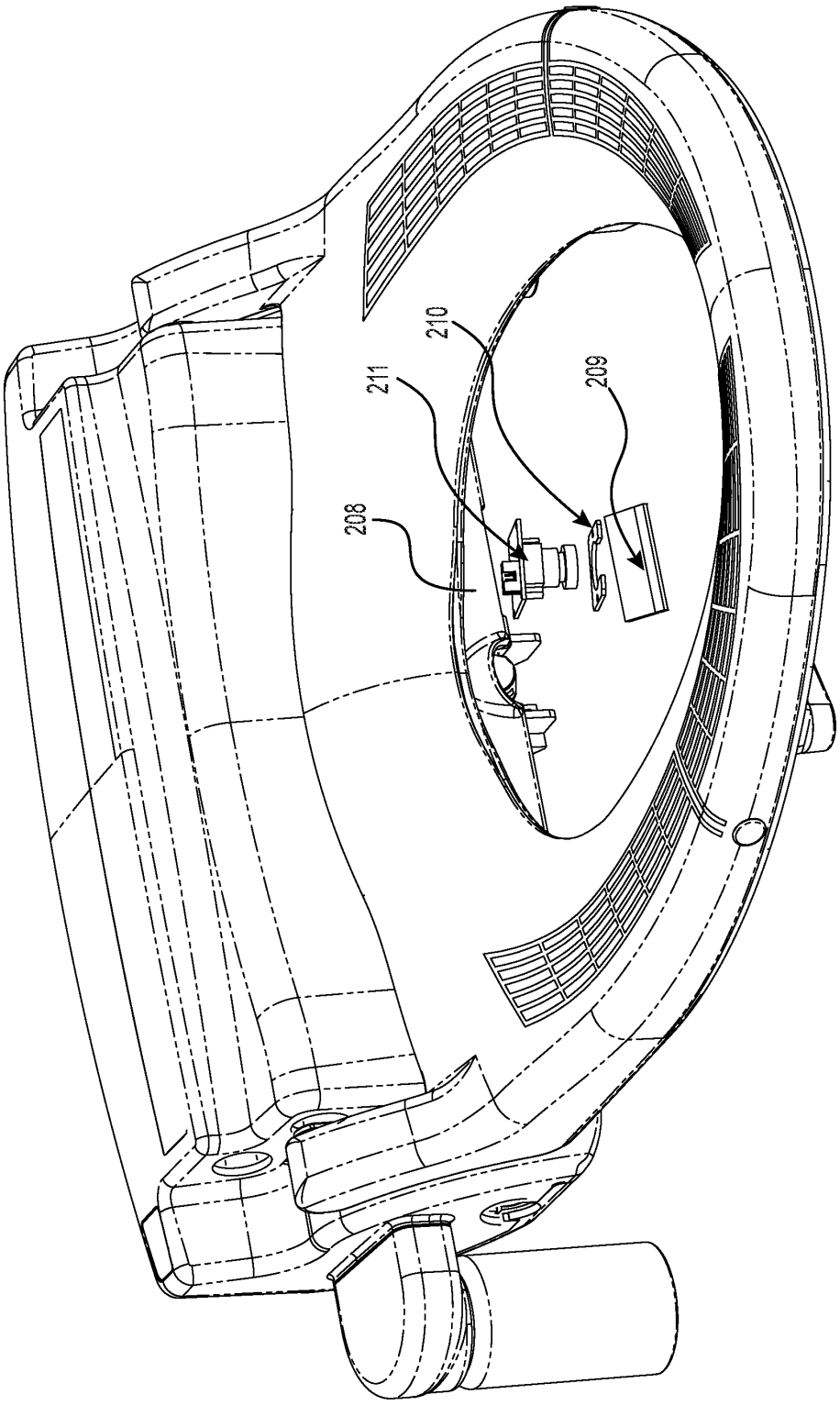


FIG. 2C

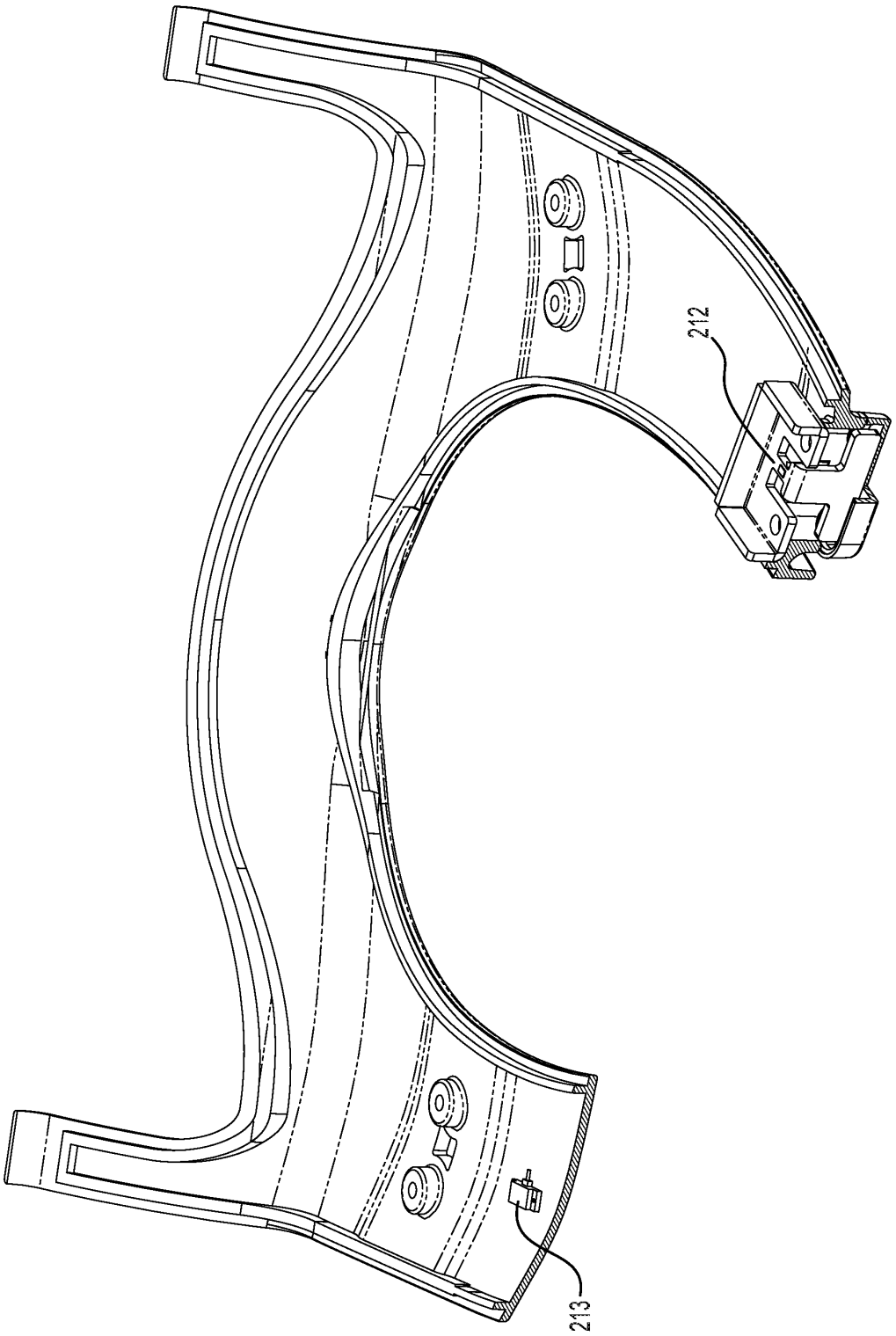


FIG. 2D

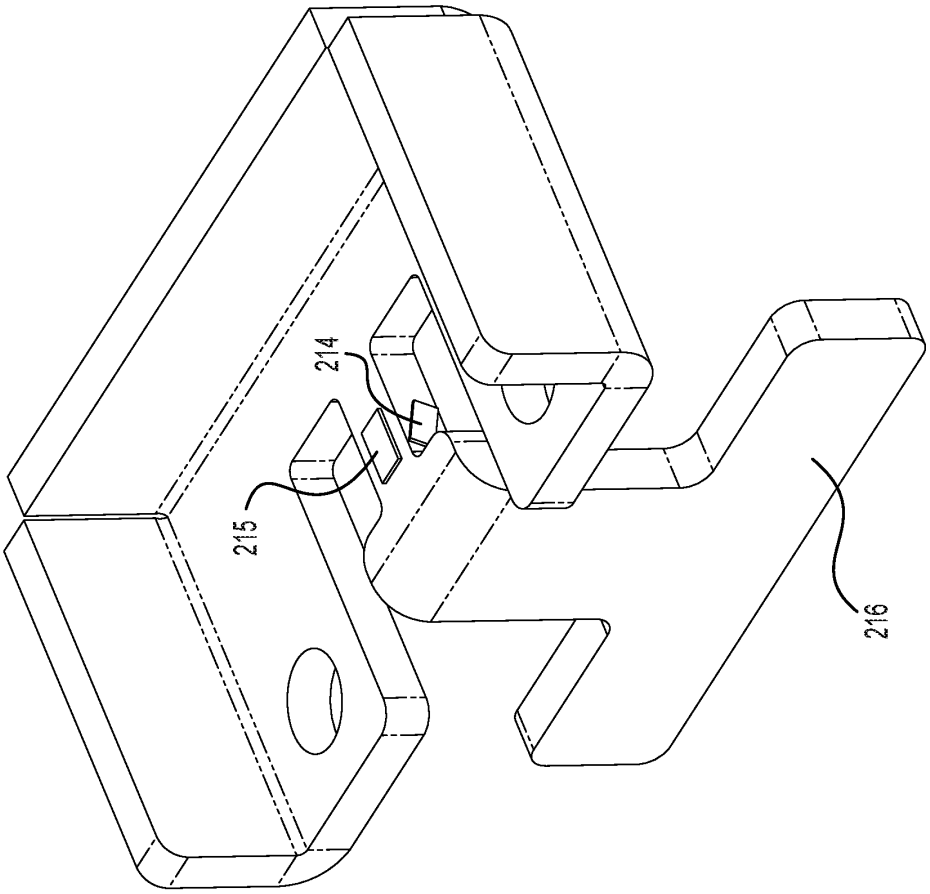


FIG. 2E

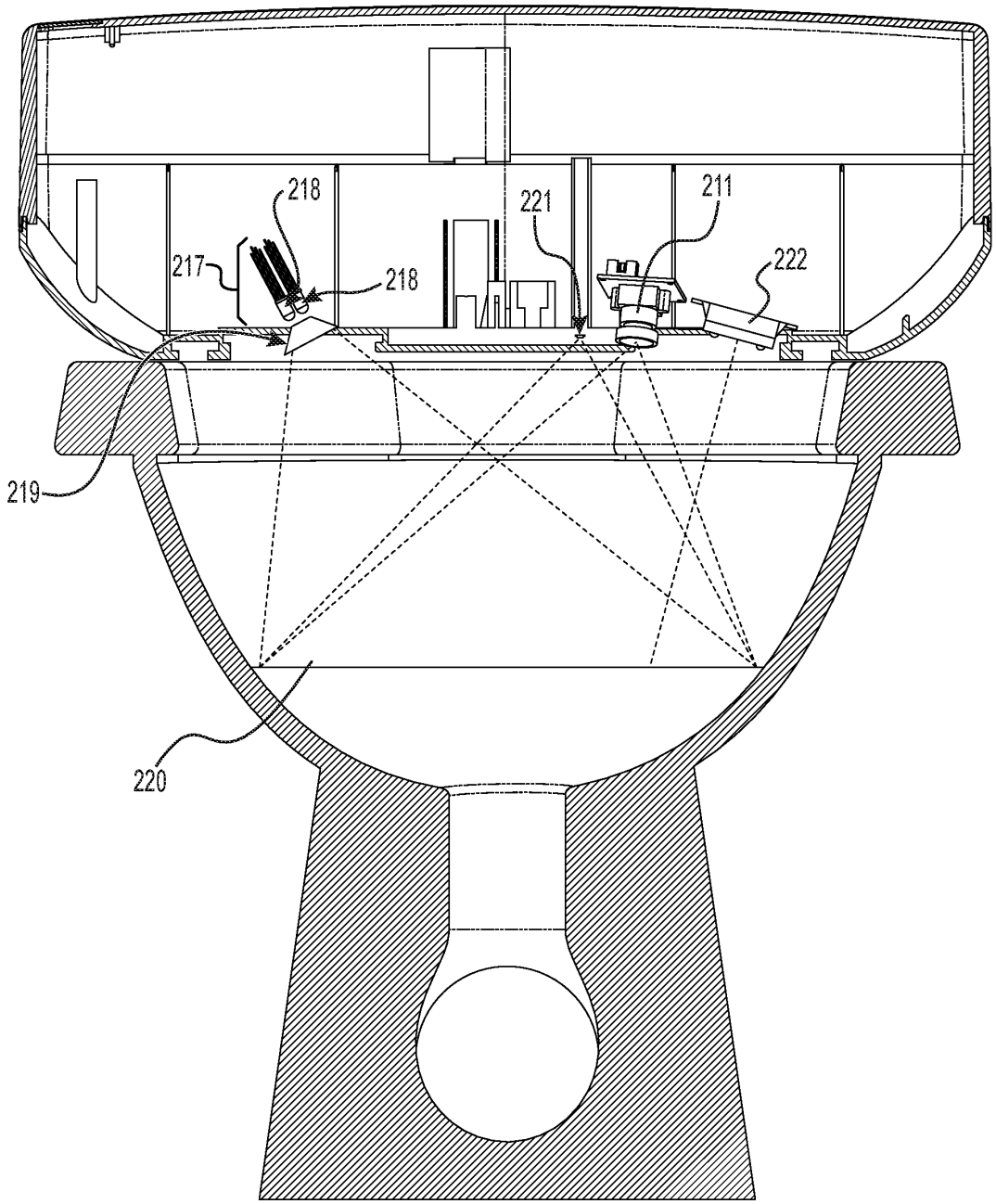


FIG. 2F

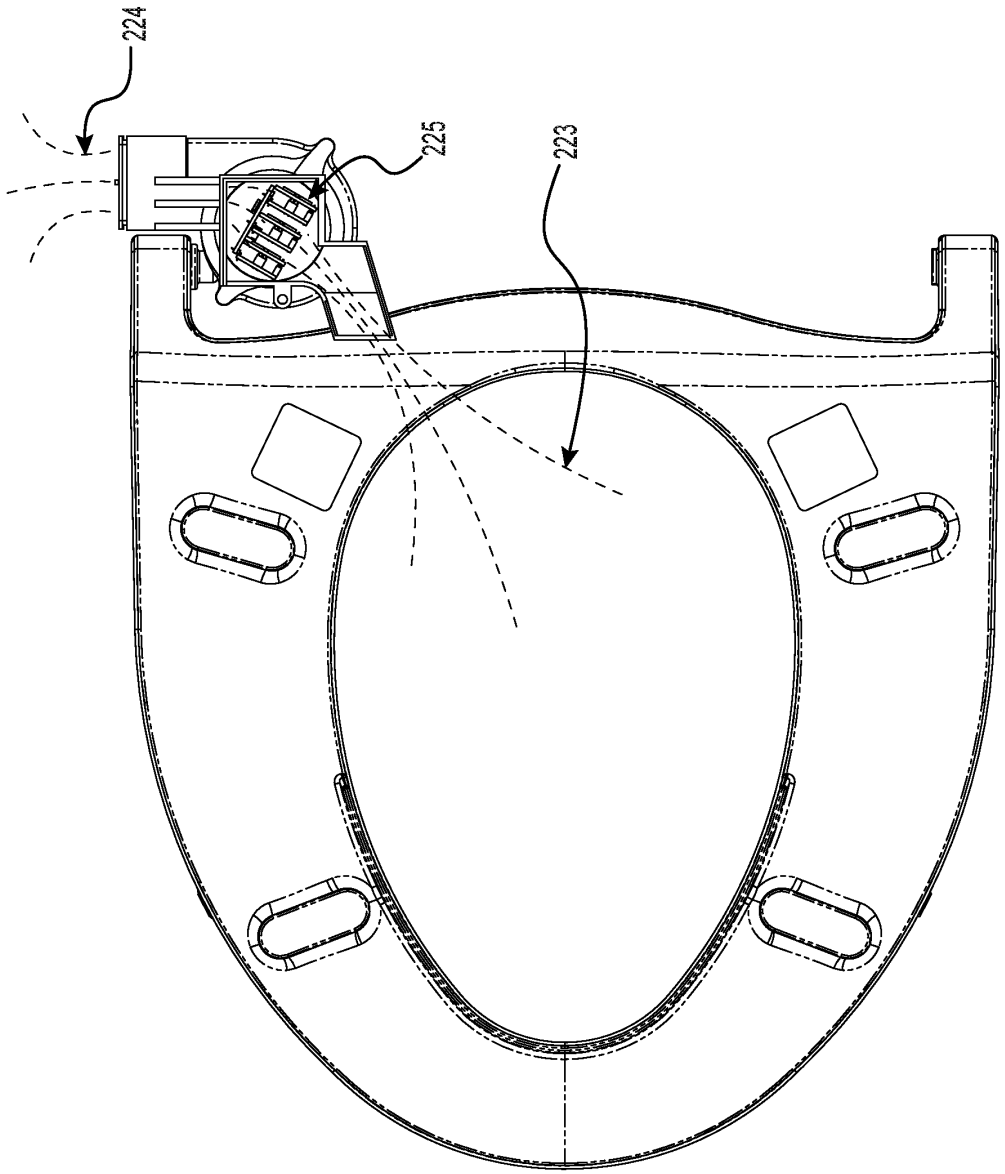


FIG. 3A

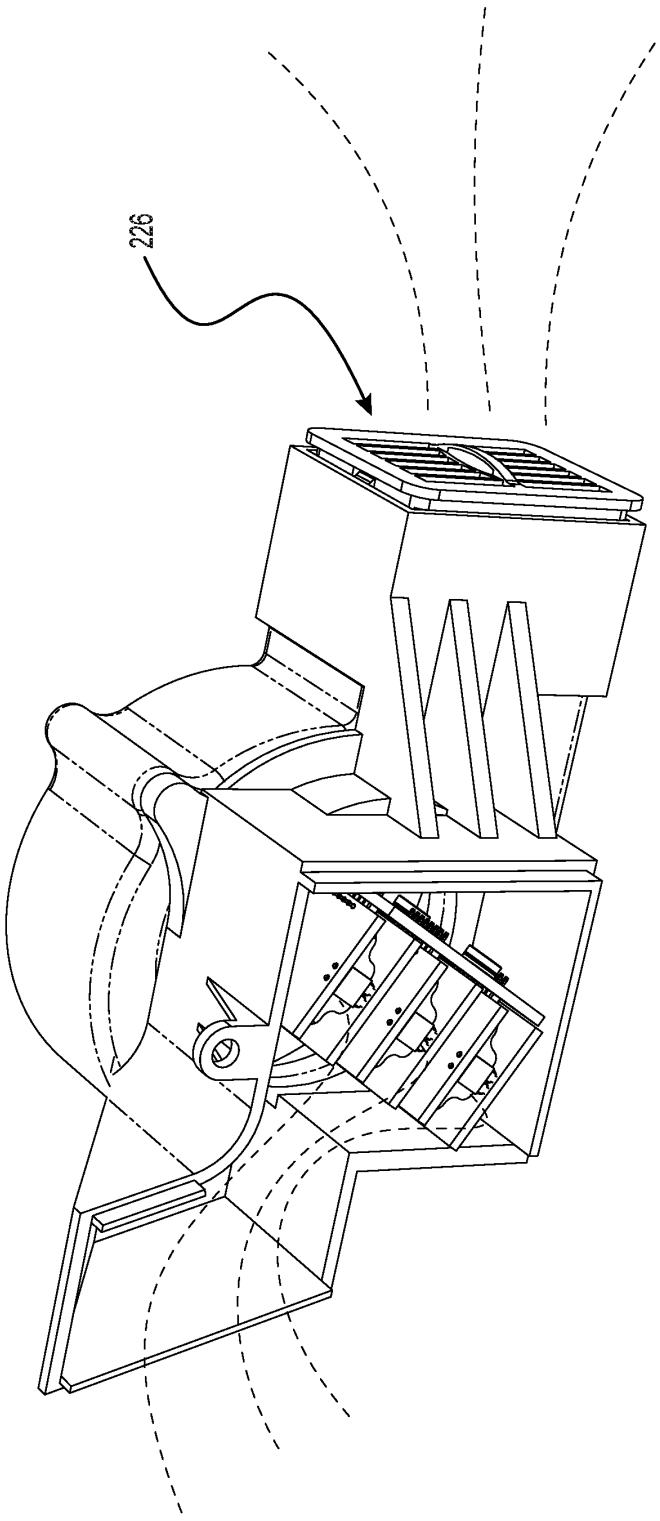


FIG. 3B

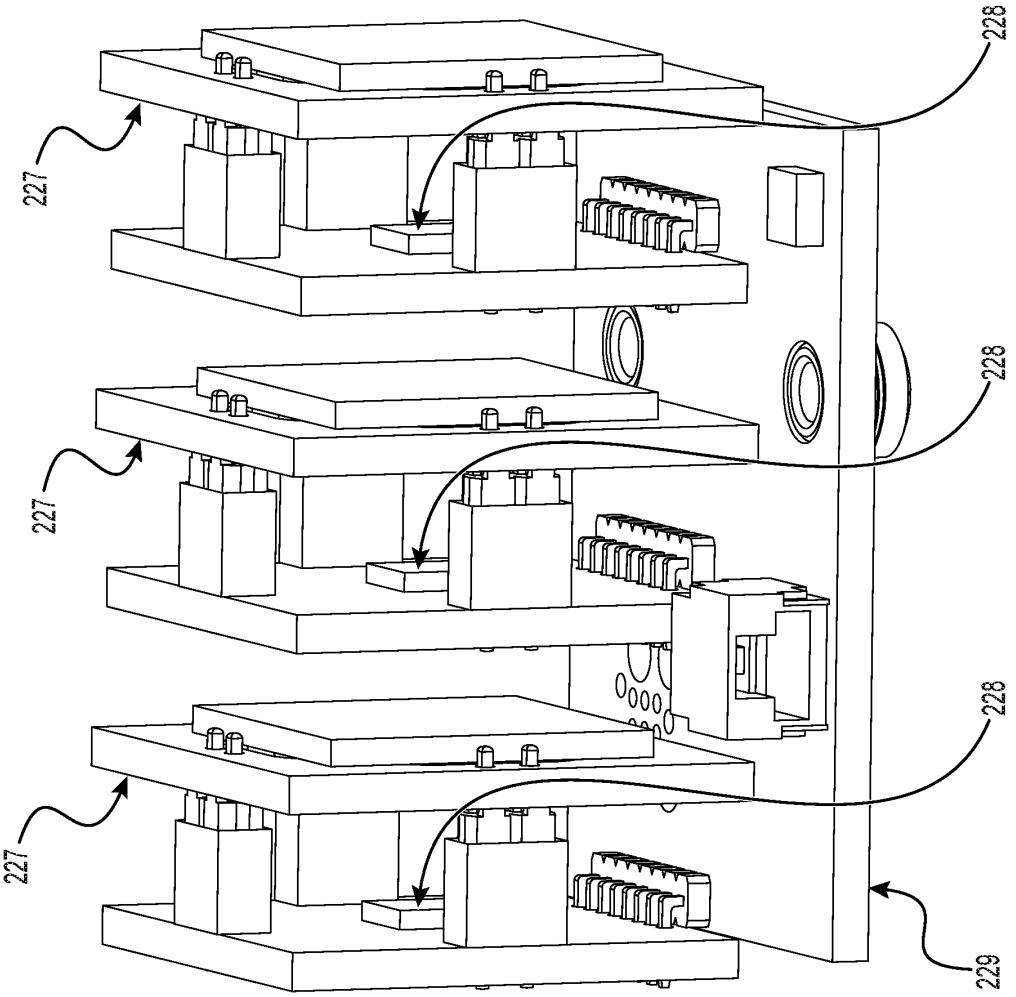


FIG. 3C

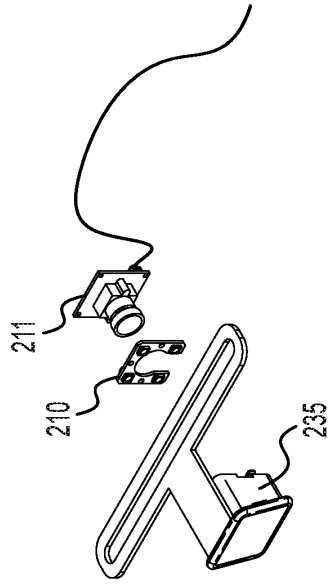


FIG. 4B

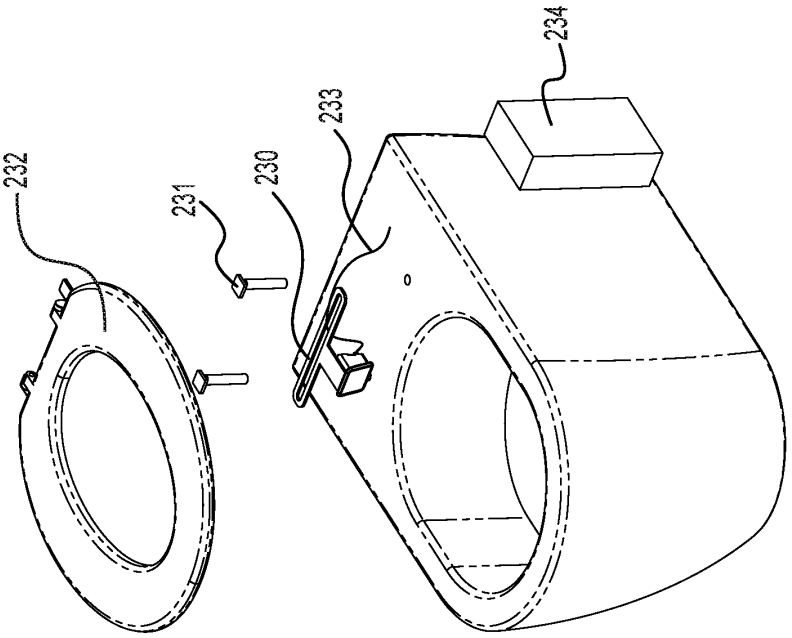


FIG. 4A

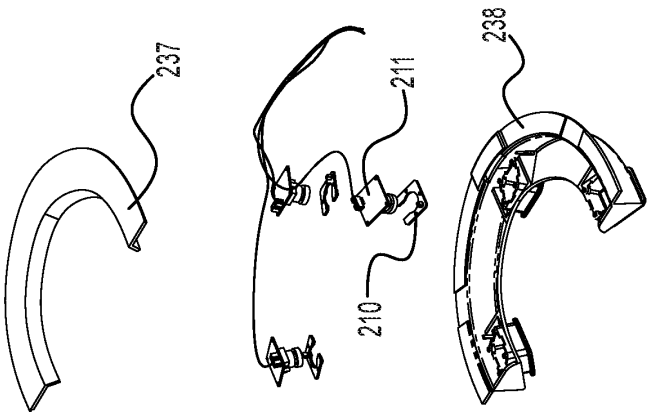


FIG. 5B

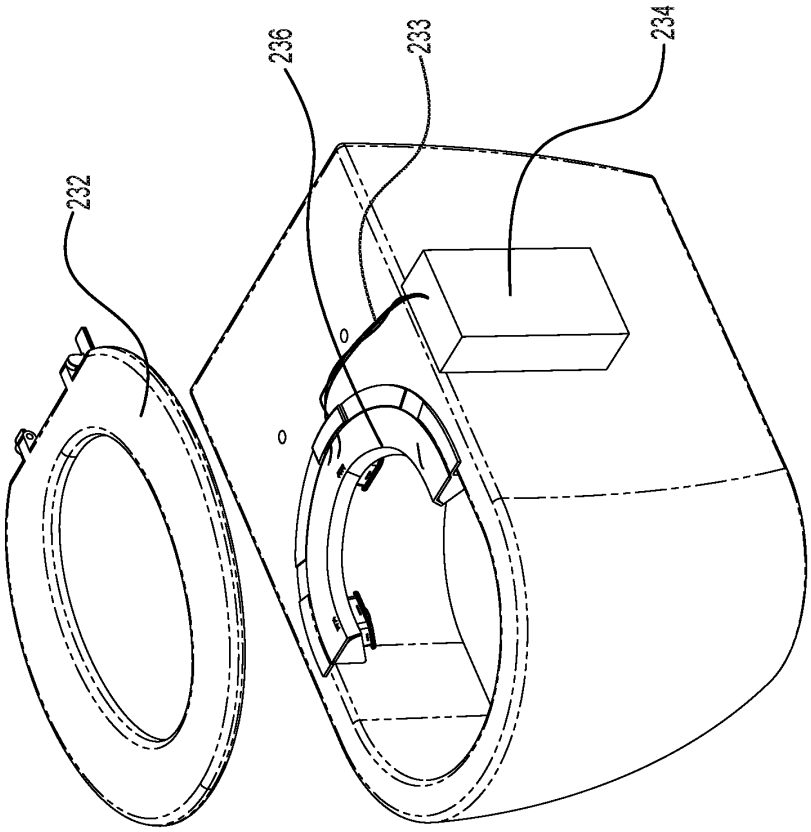


FIG. 5A

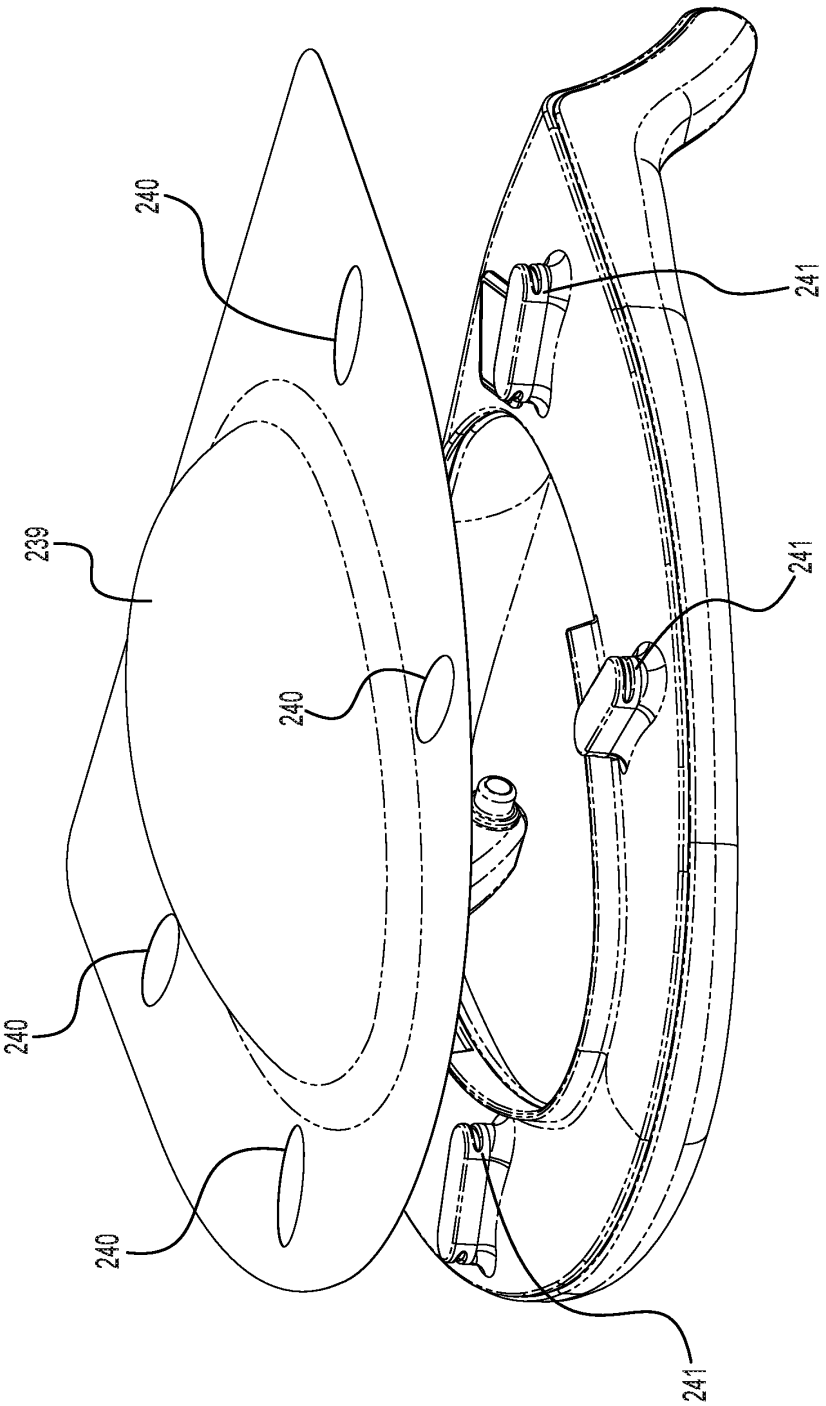


FIG. 6A

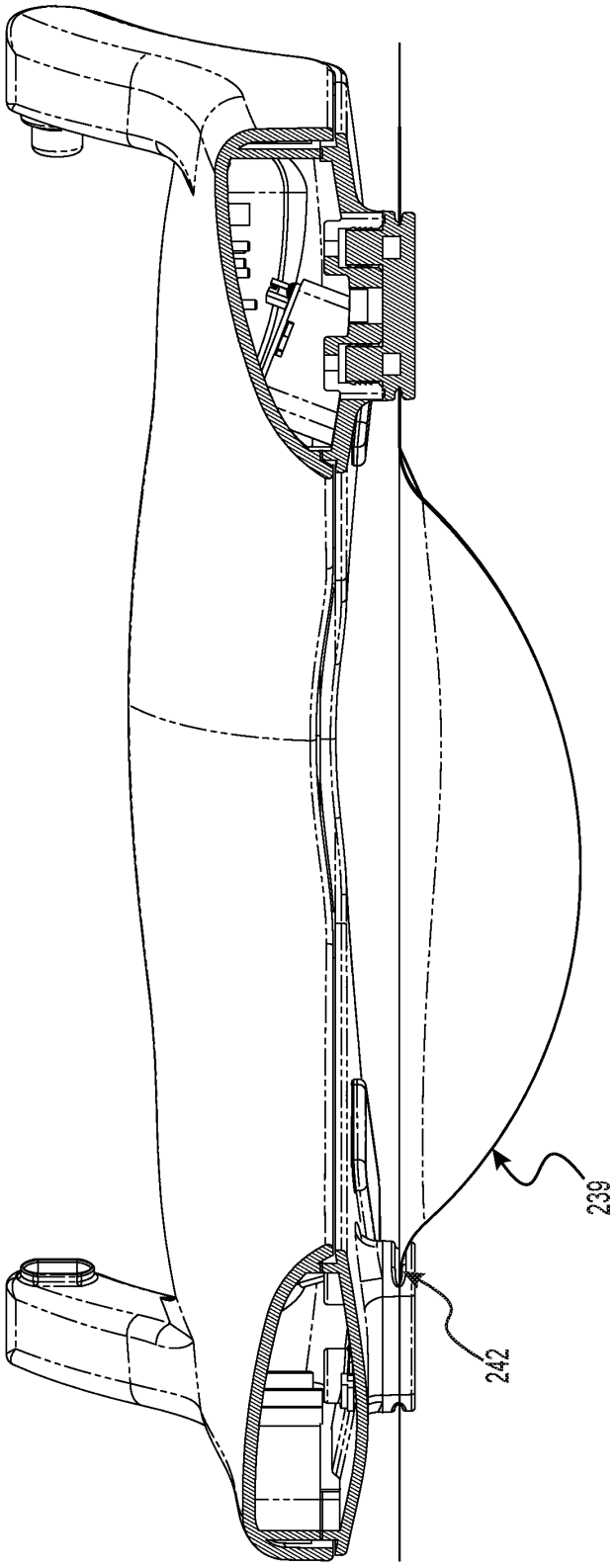


FIG. 6B

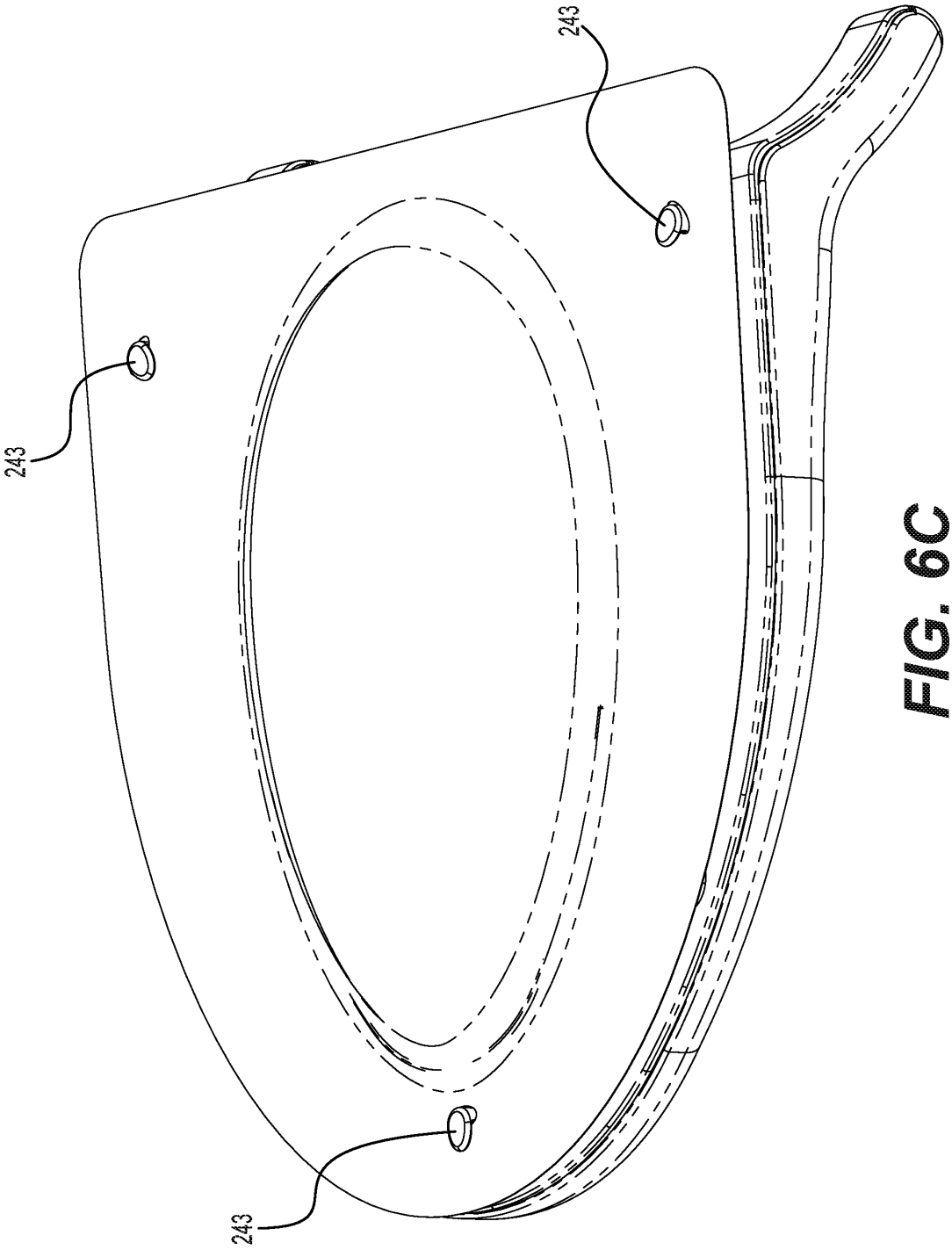


FIG. 6C

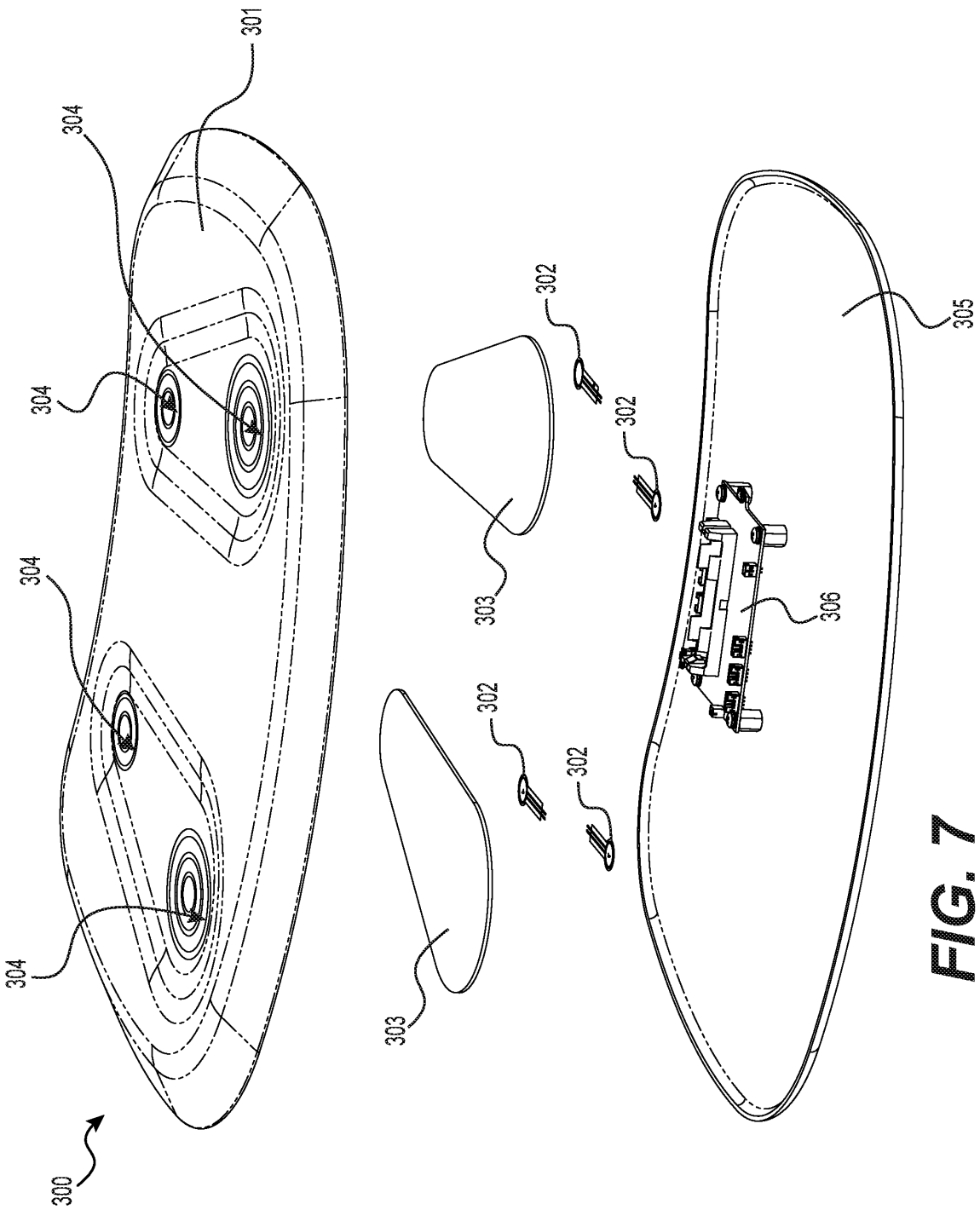


FIG. 7

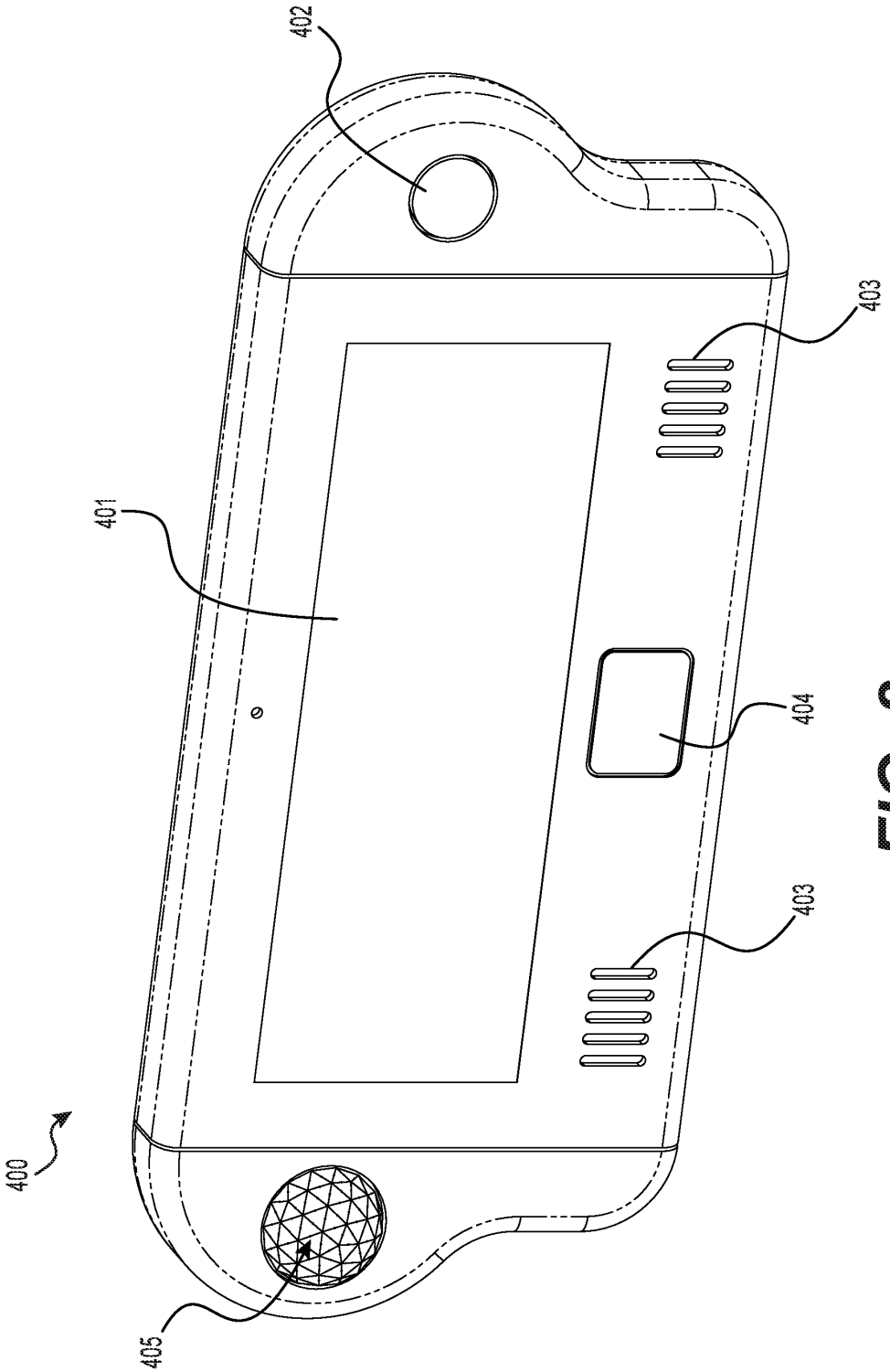


FIG. 8

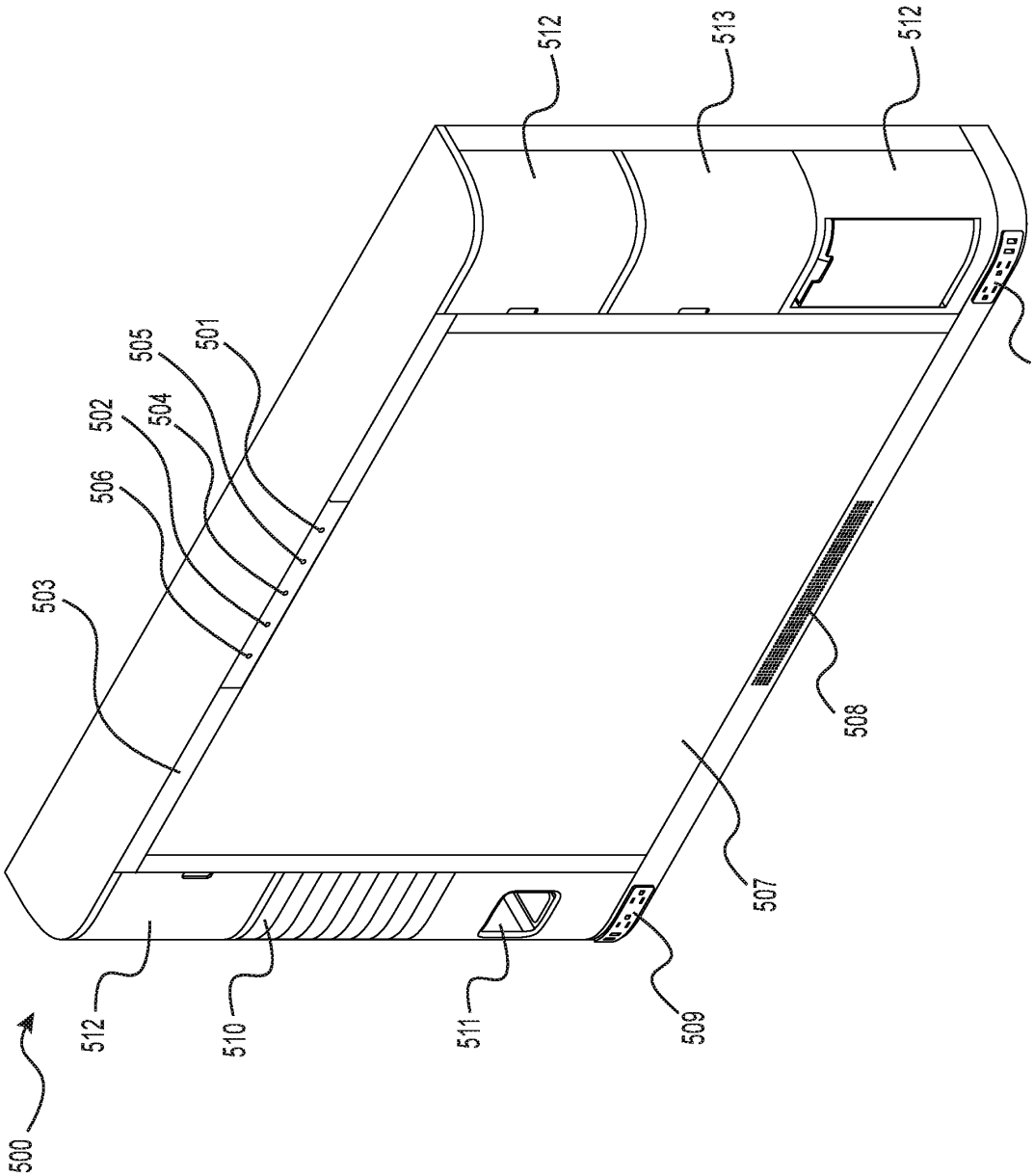

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FIG. 9A

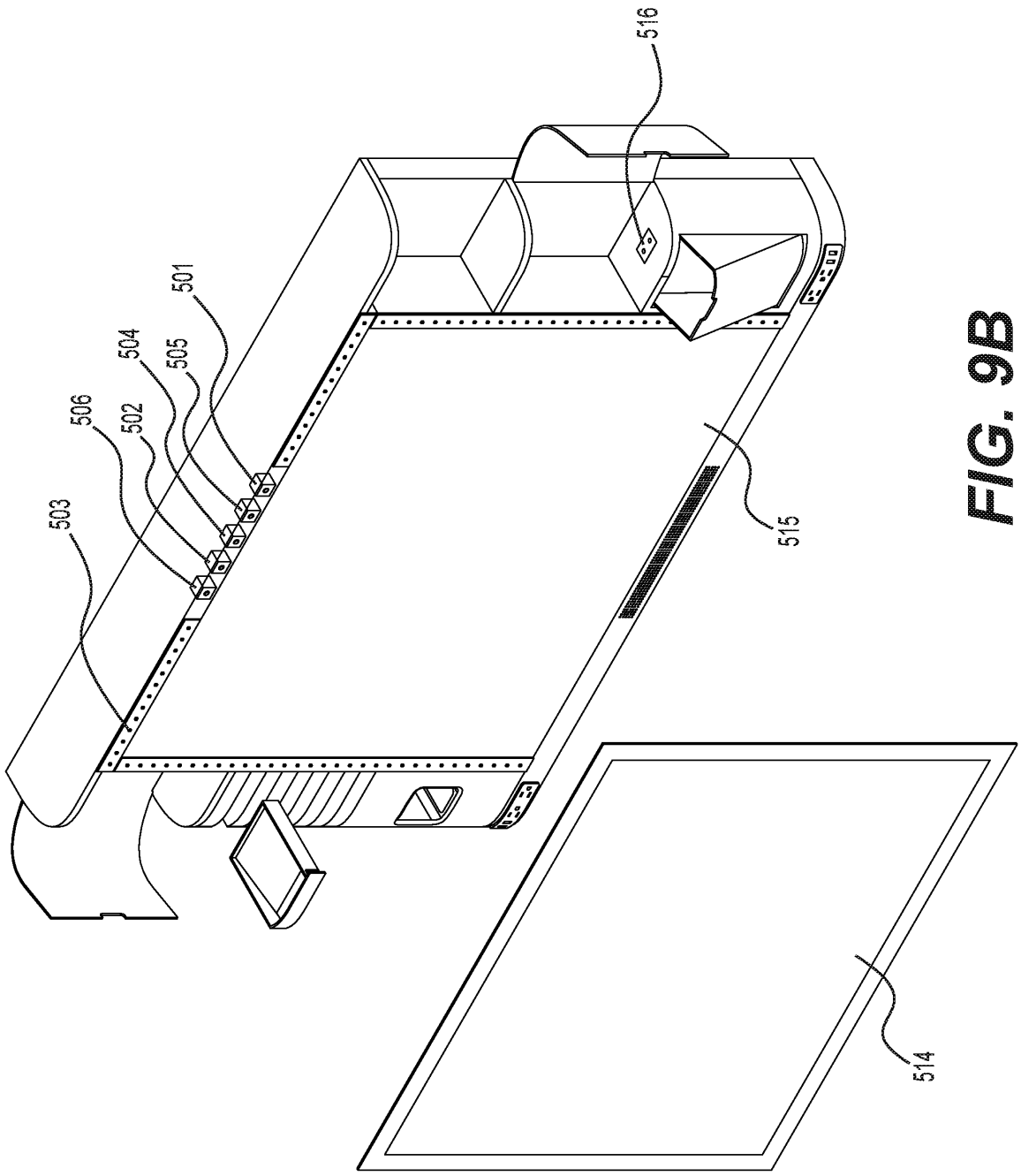


FIG. 9B

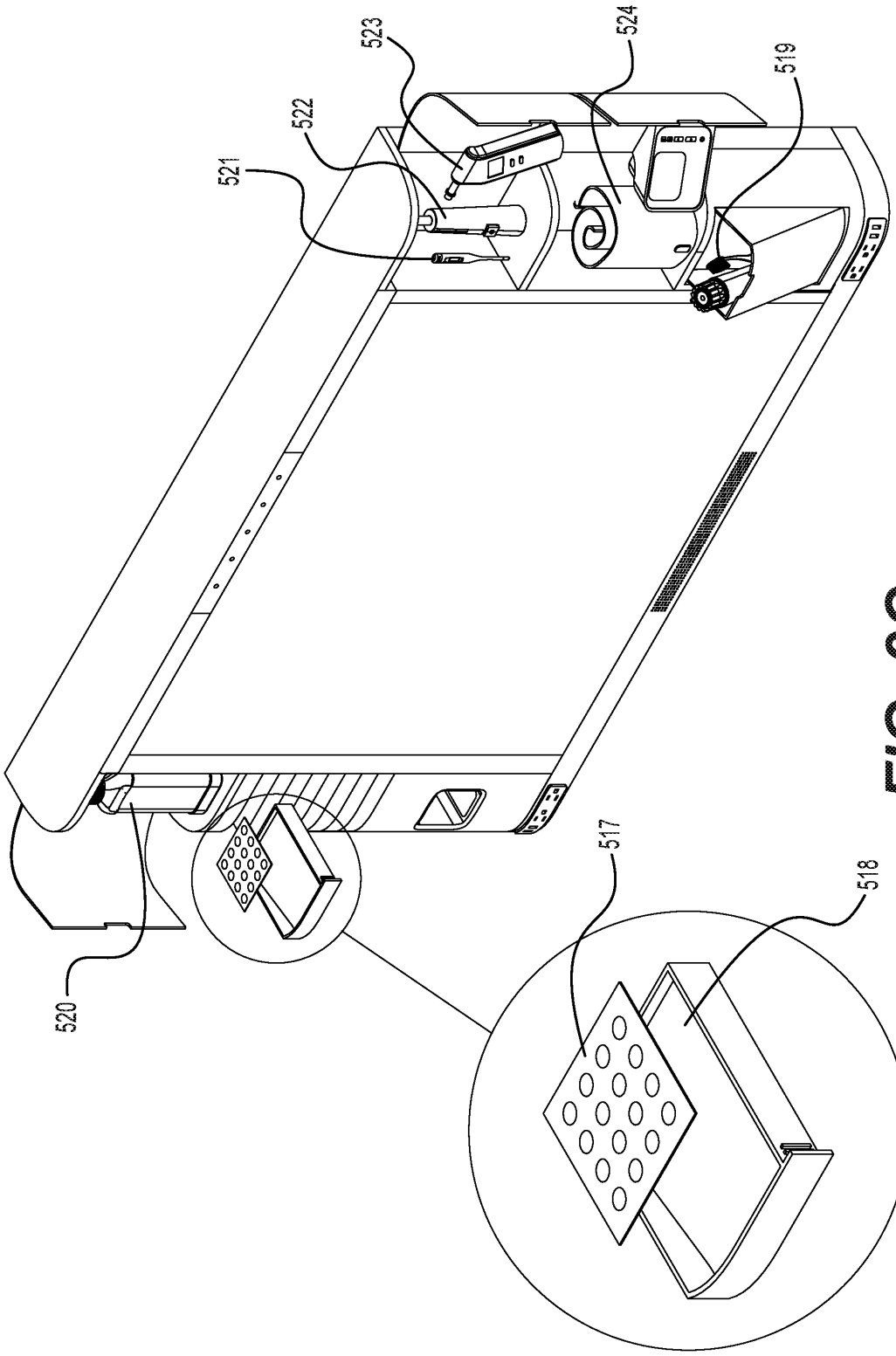


FIG. 9C

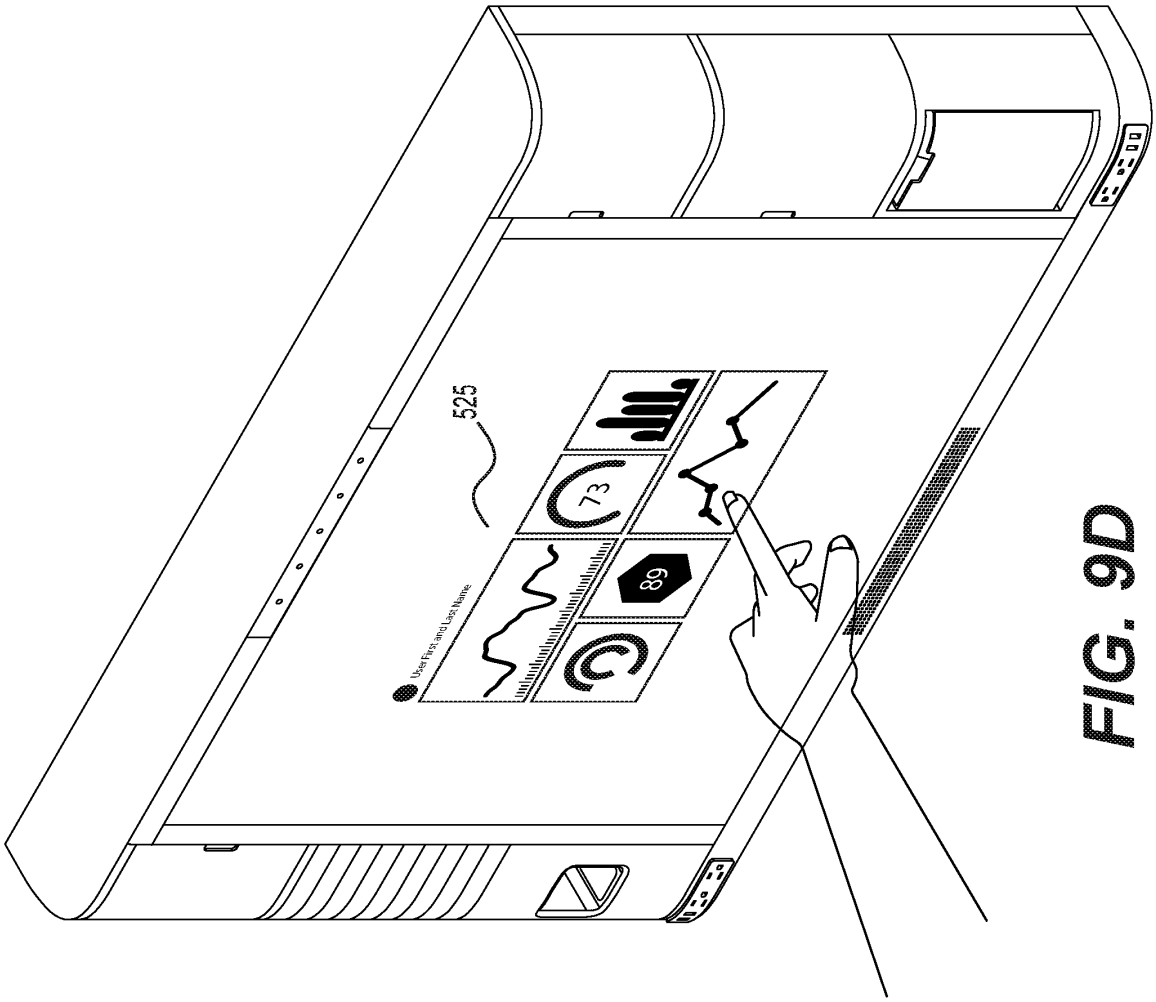


FIG. 9D

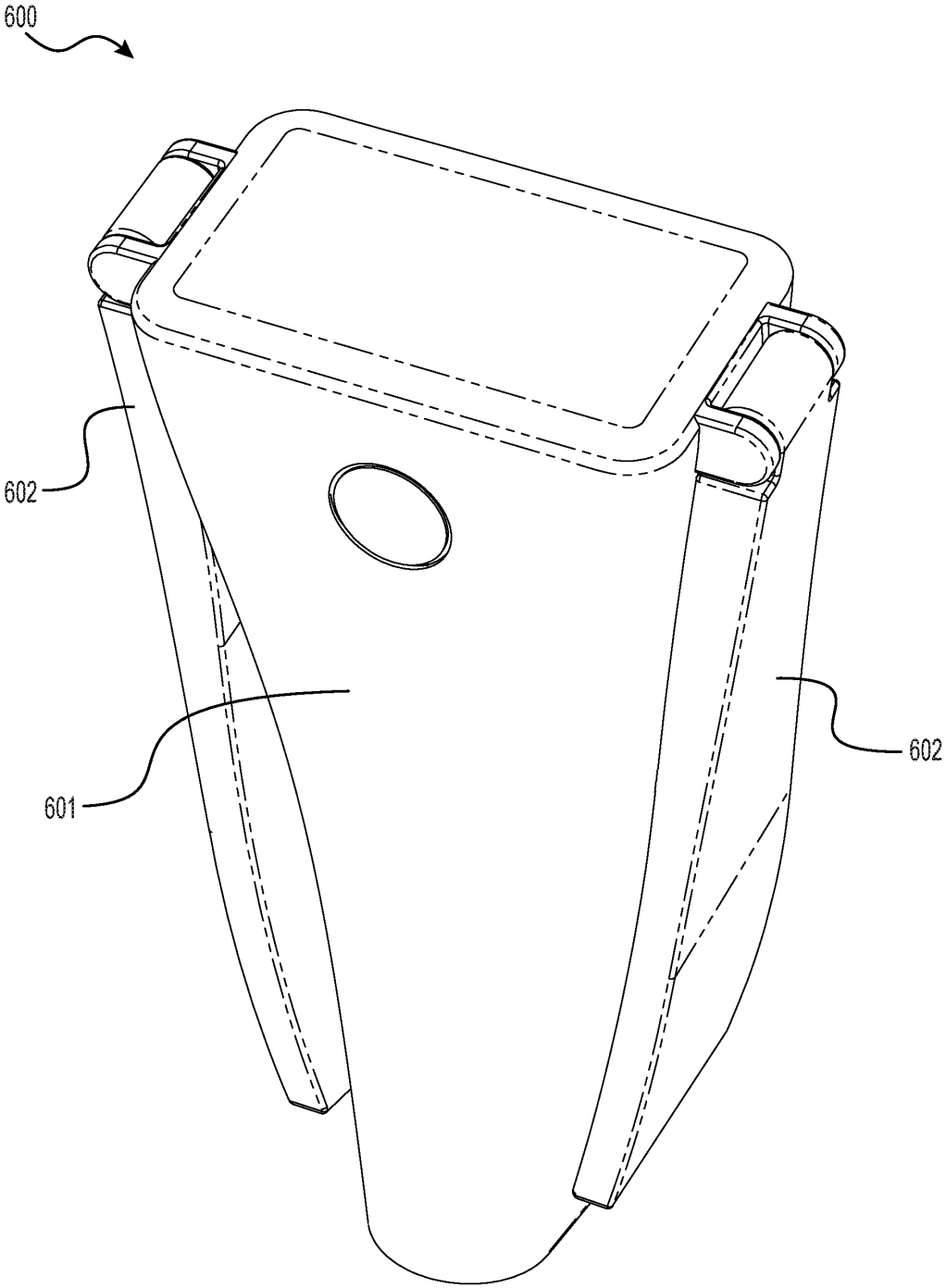


FIG. 10A

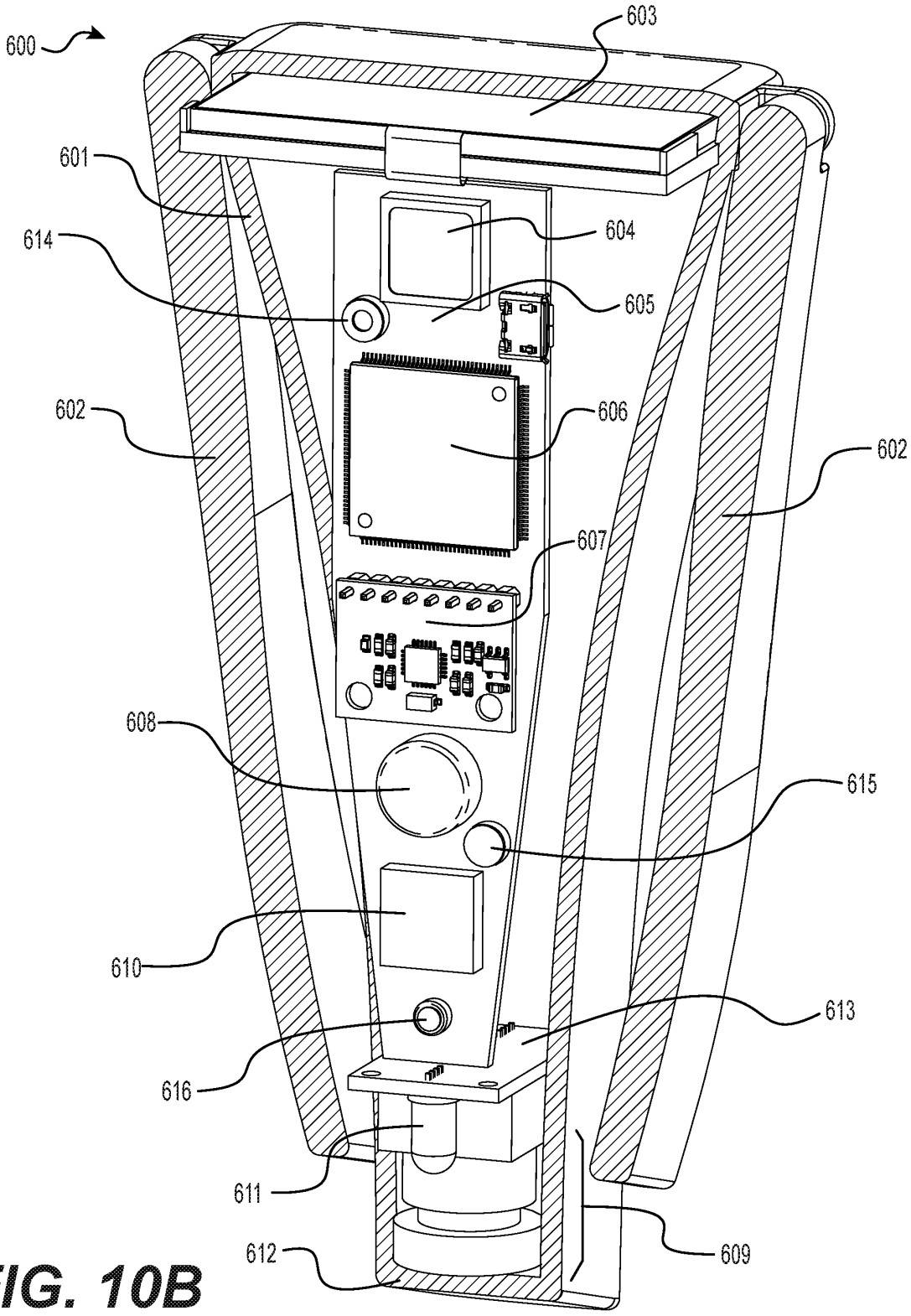

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FIG. 10B

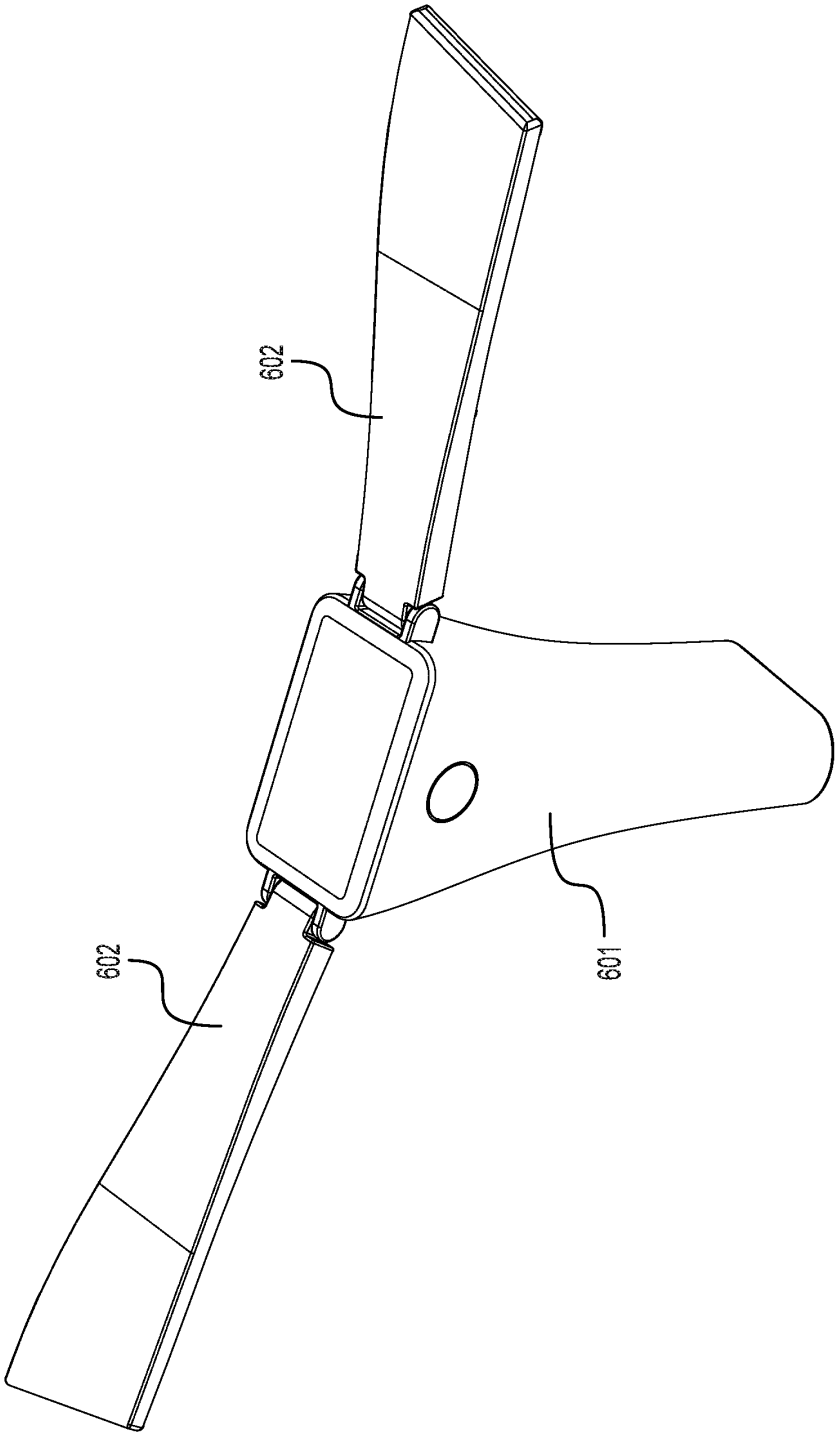


FIG. 10C

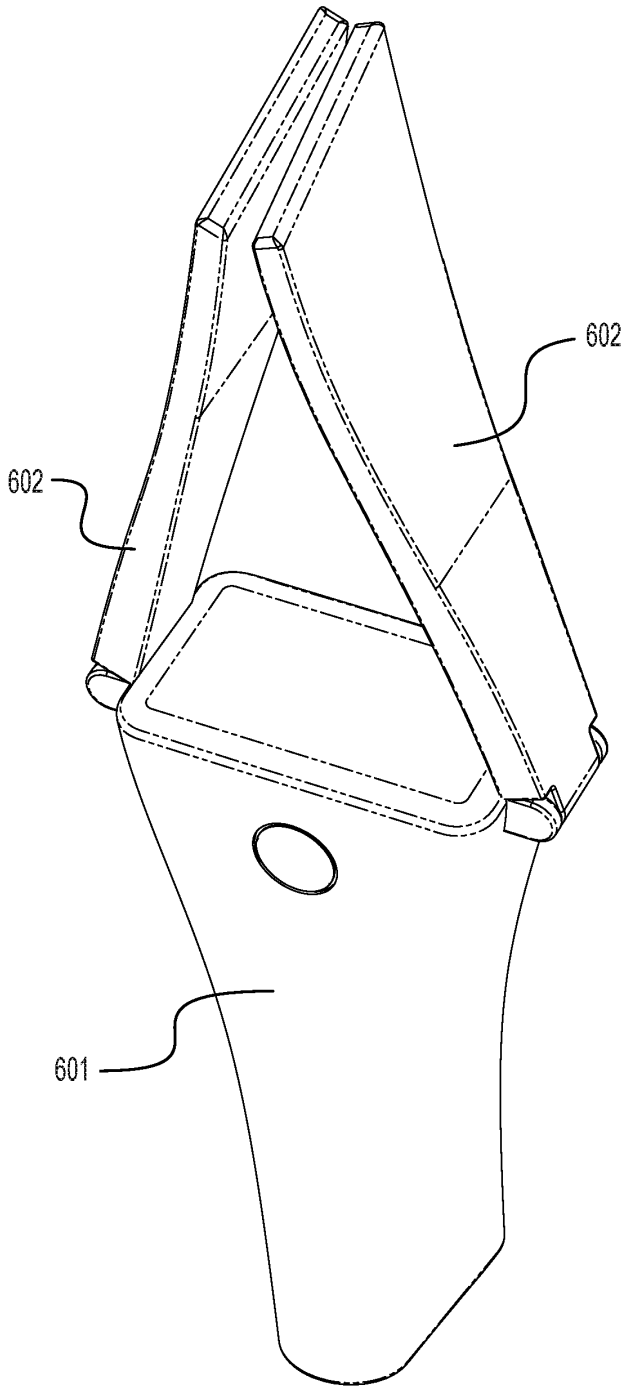


FIG. 10D

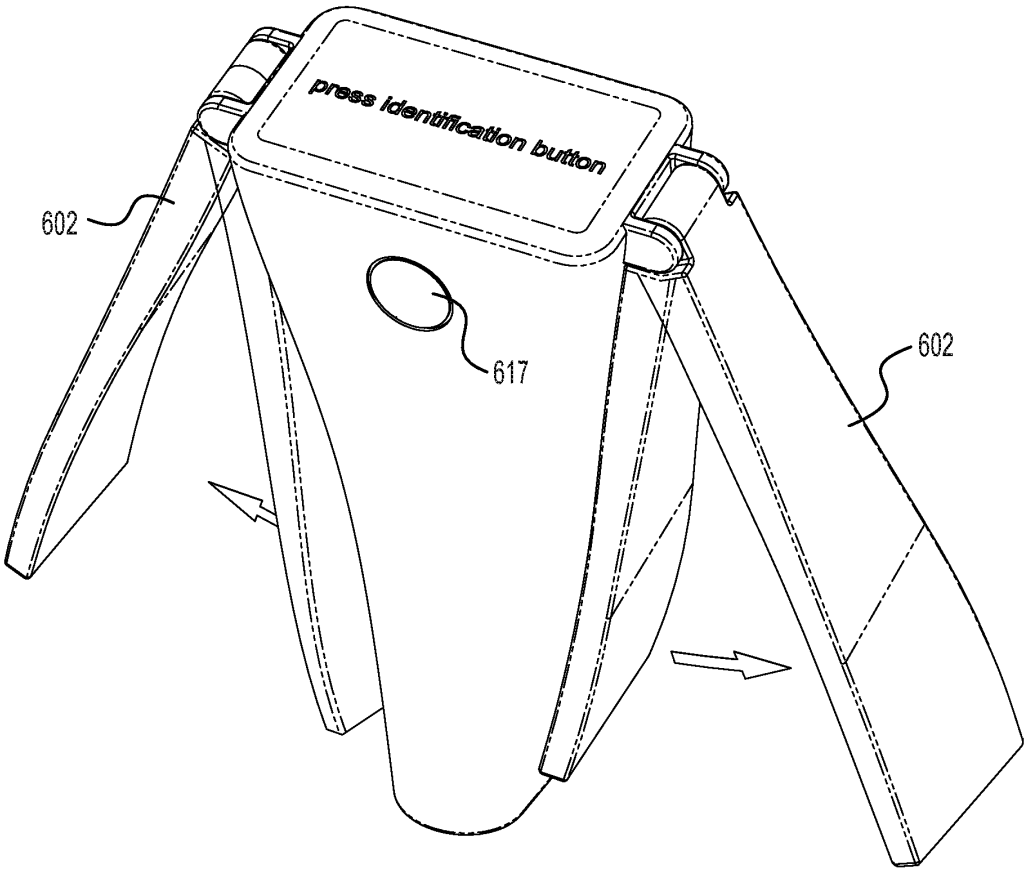


FIG. 10E

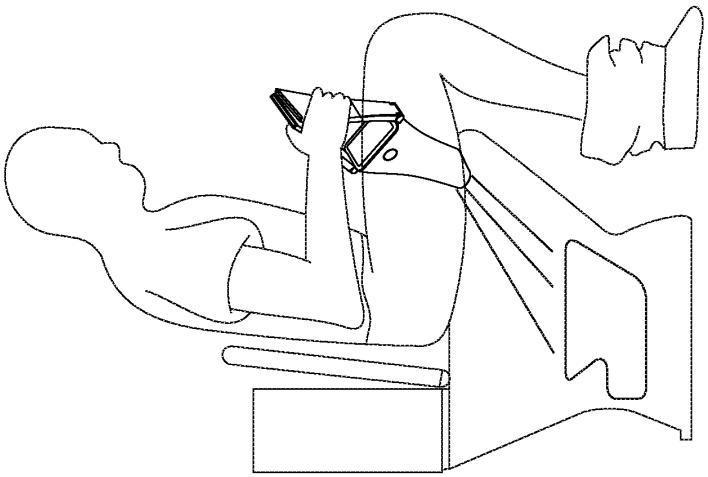


FIG. 10G

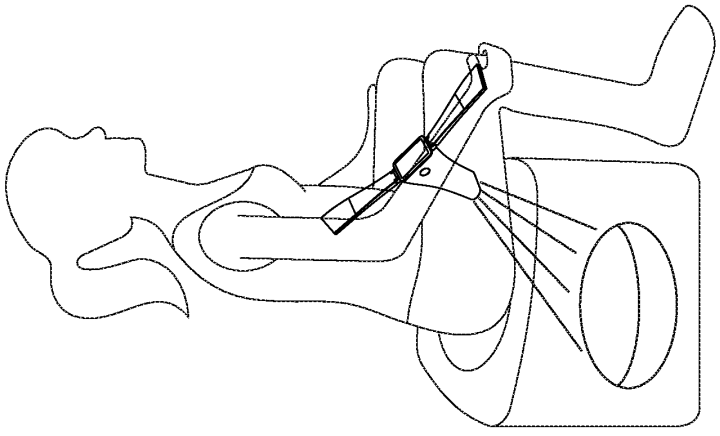


FIG. 10F

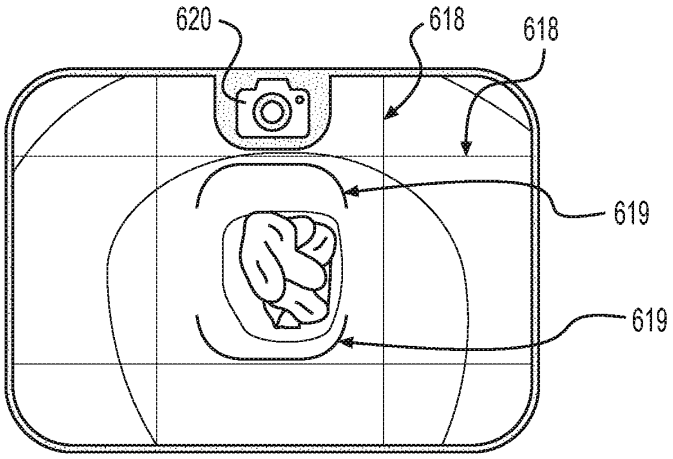


FIG. 10H

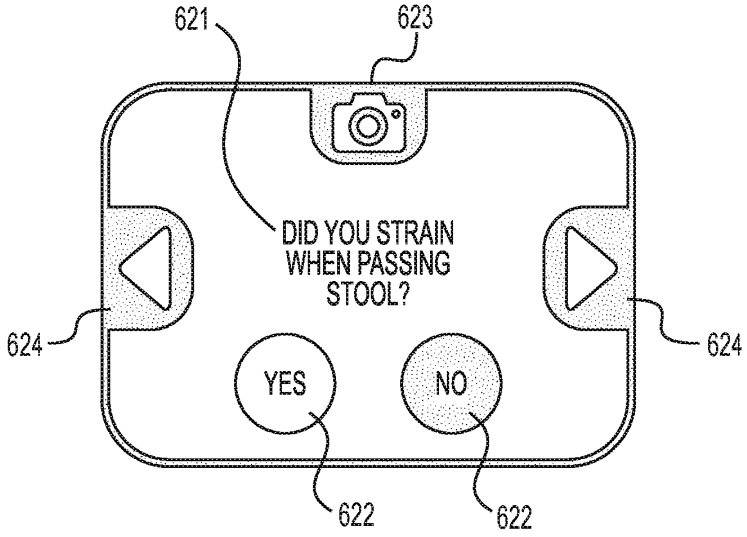


FIG. 10I

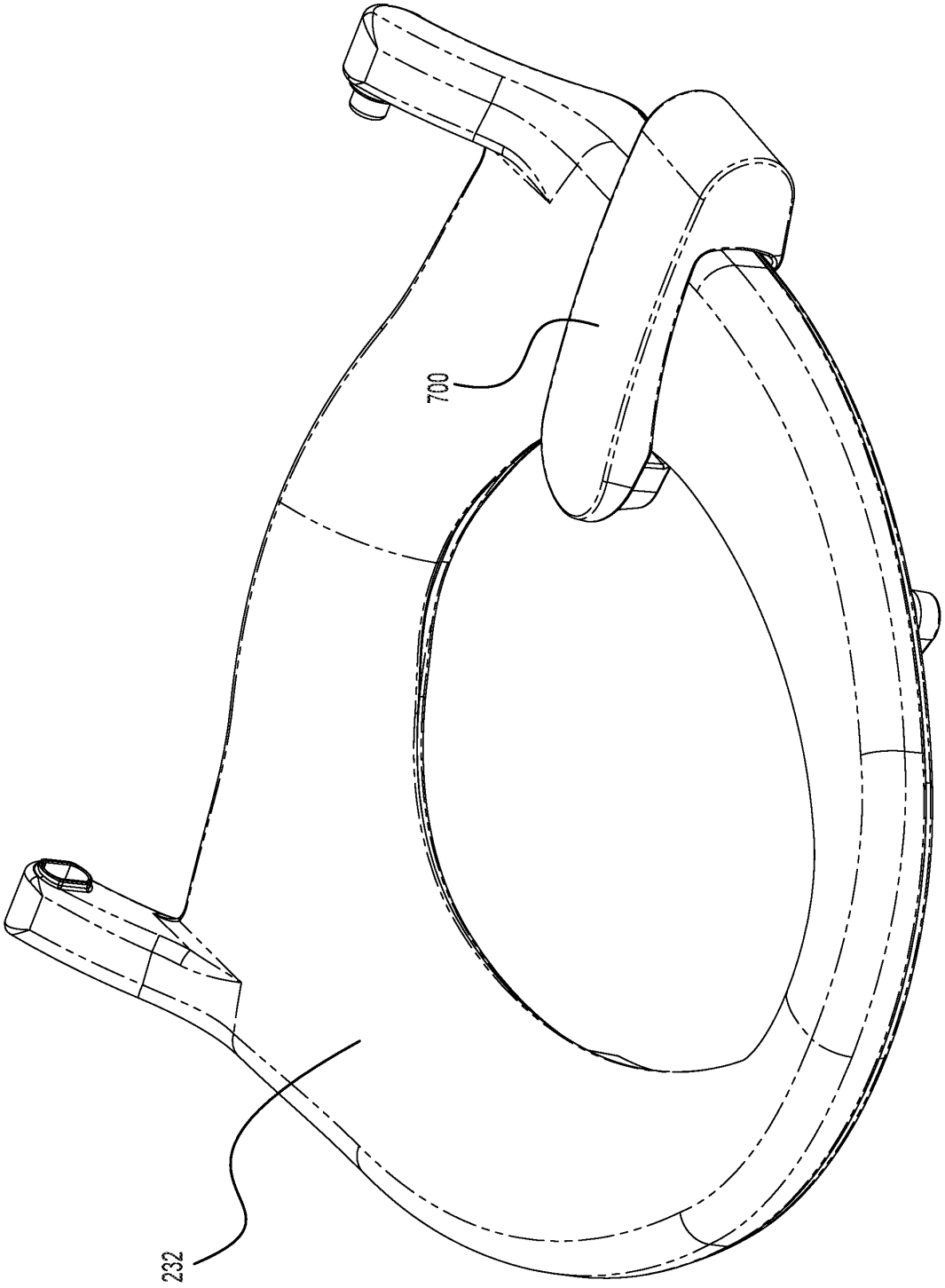


FIG. 11A

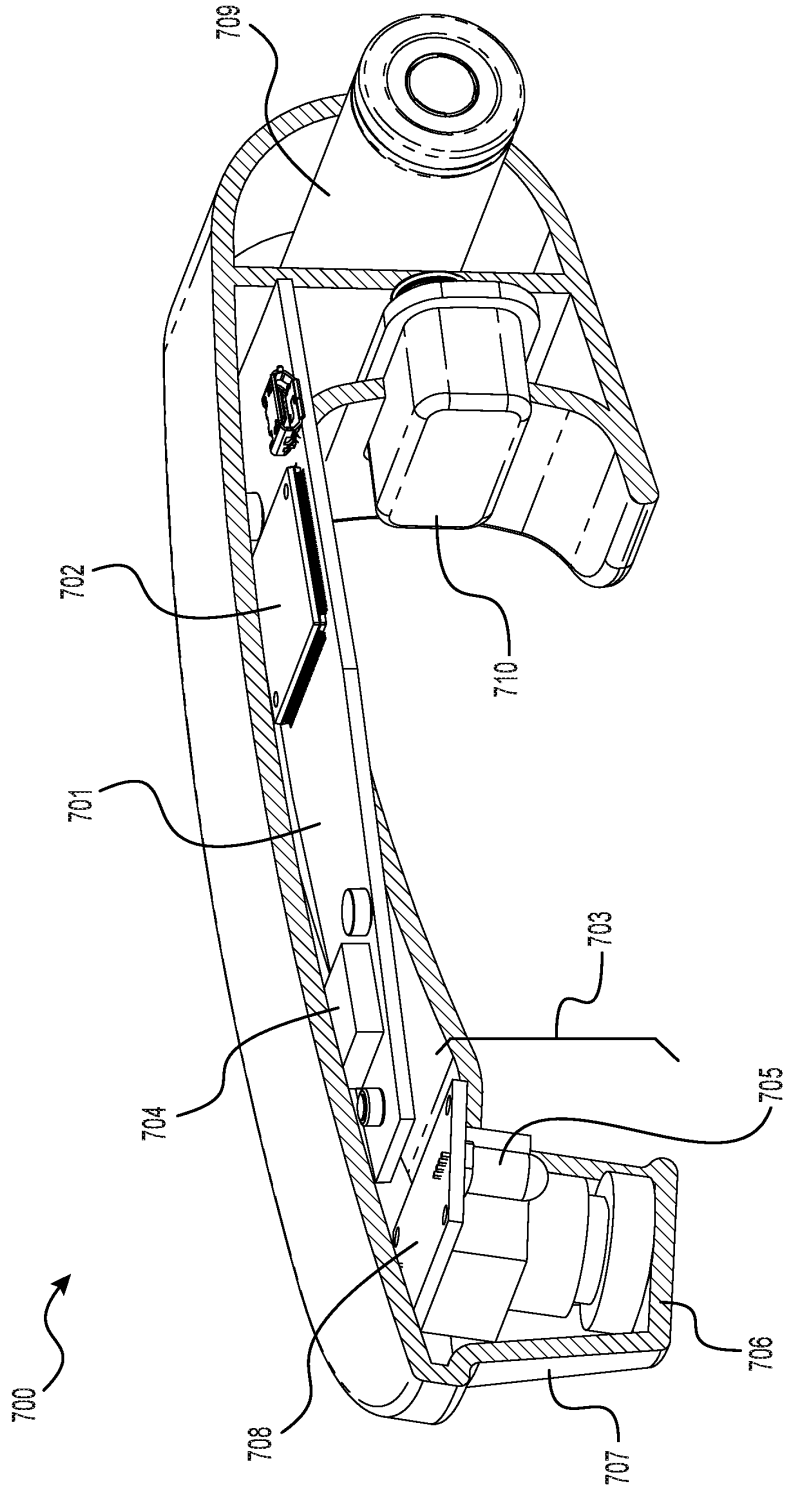


FIG. 11B

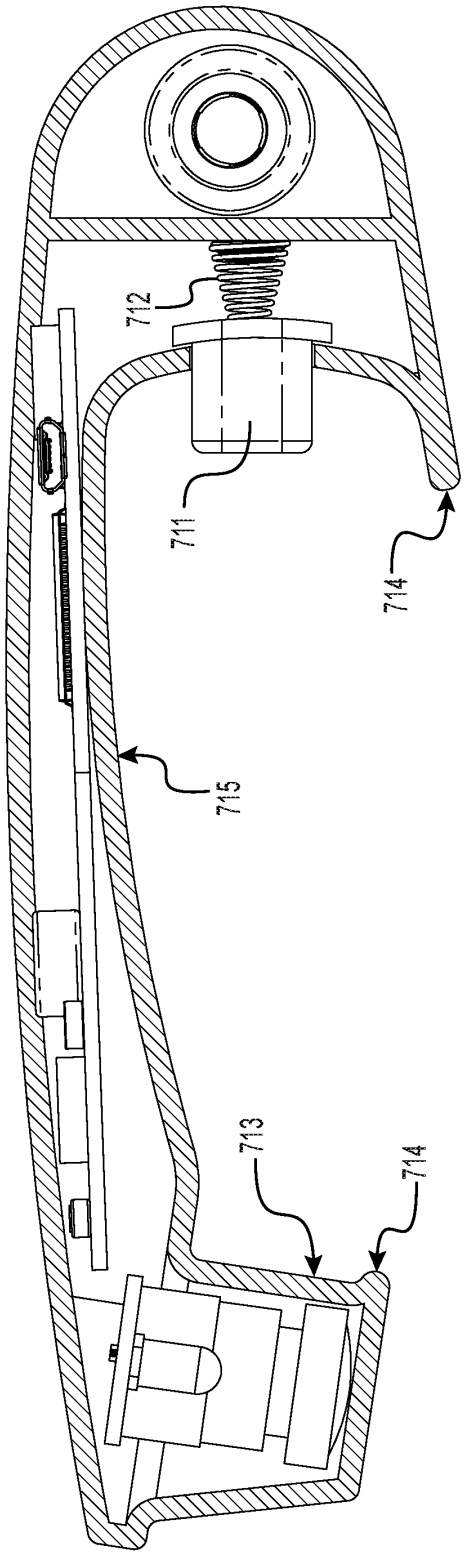


FIG. 11C

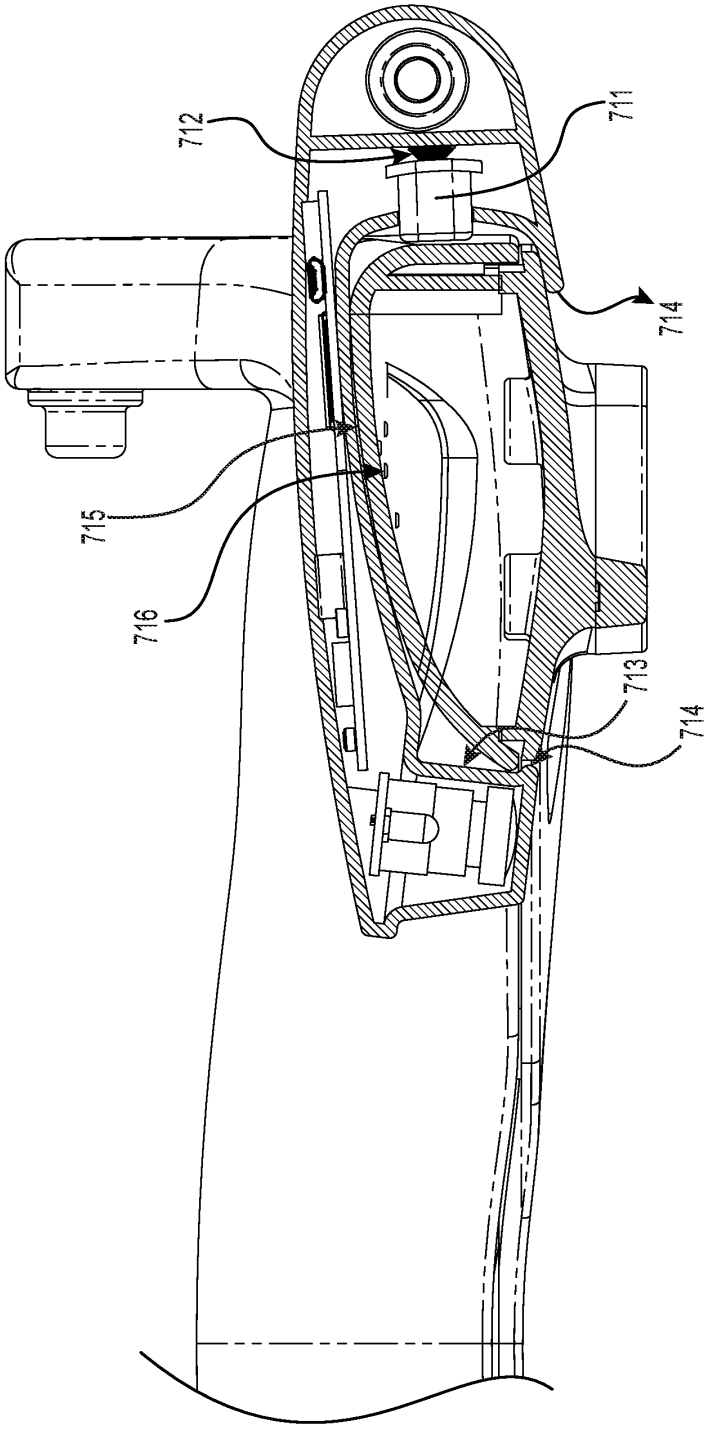


FIG. 11D

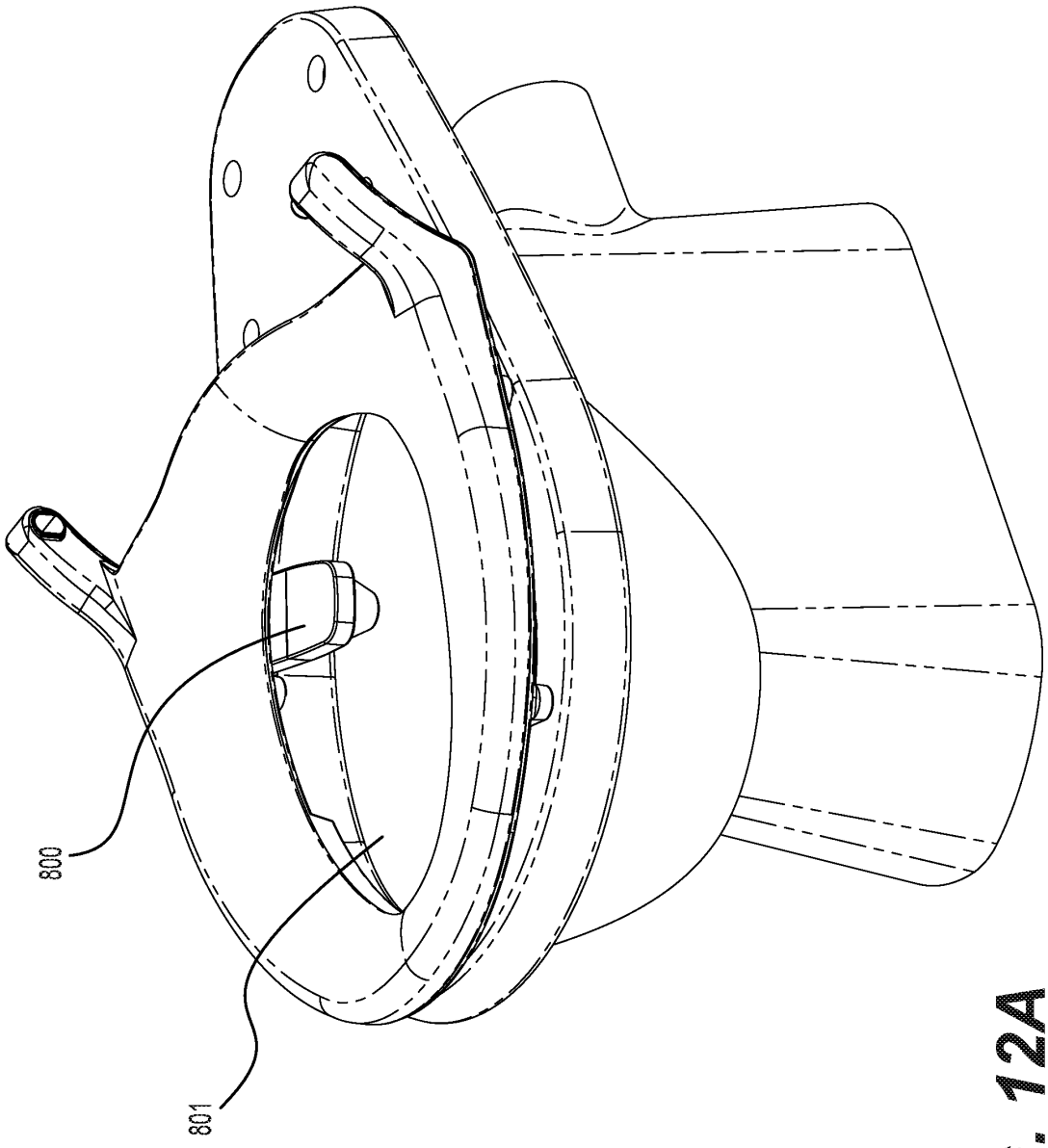


FIG. 12A

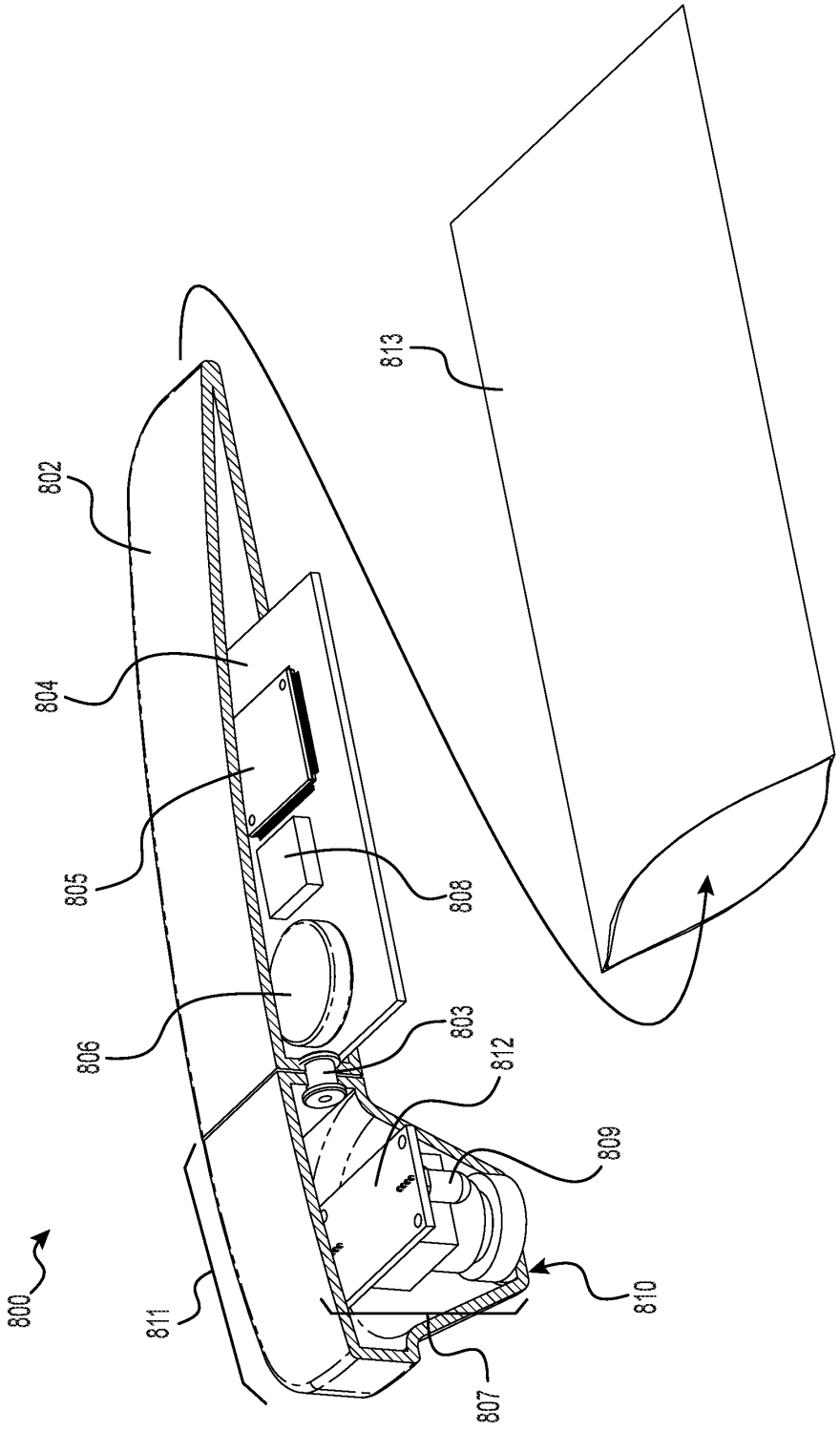


FIG. 12B

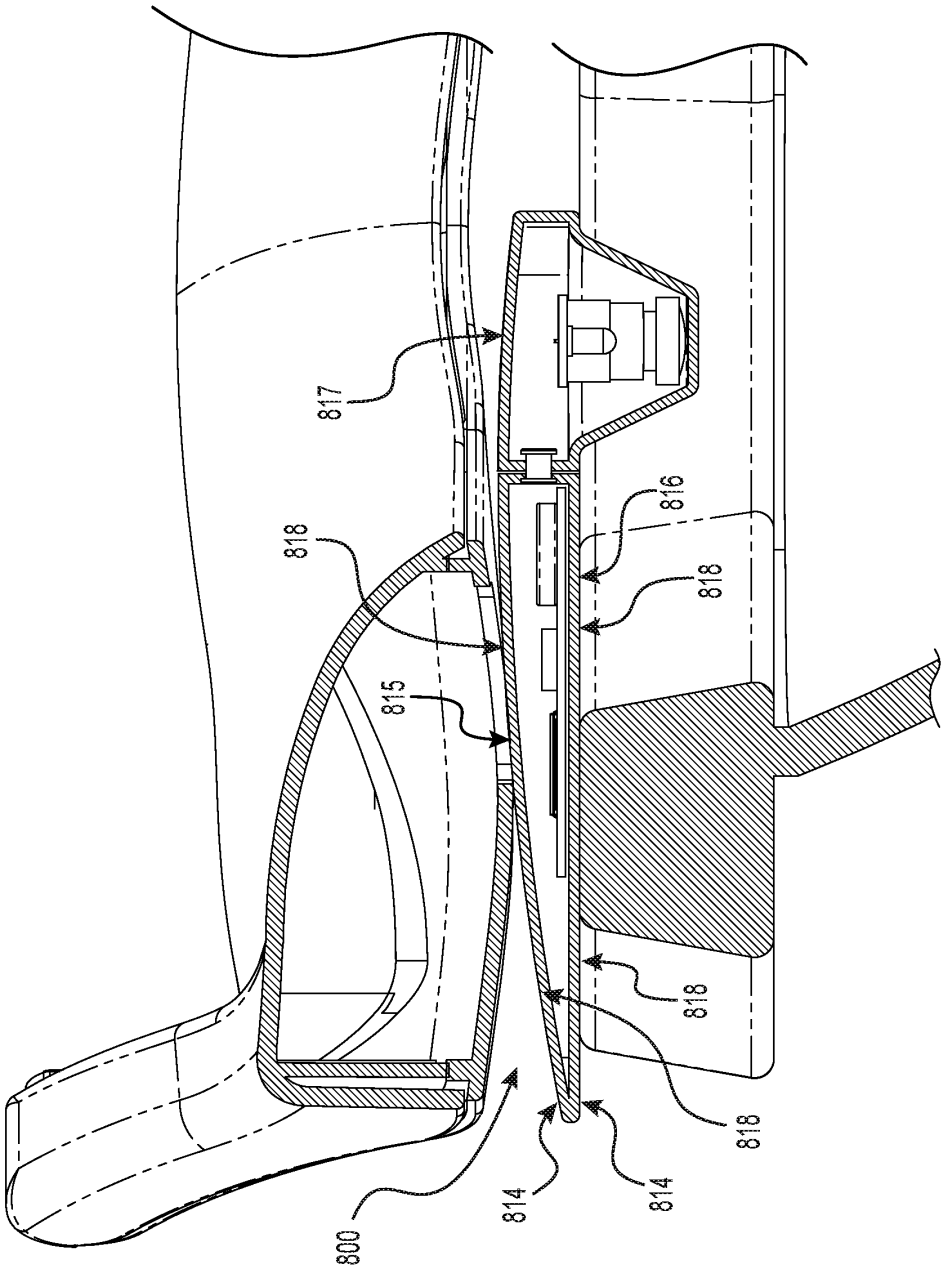


FIG. 12C

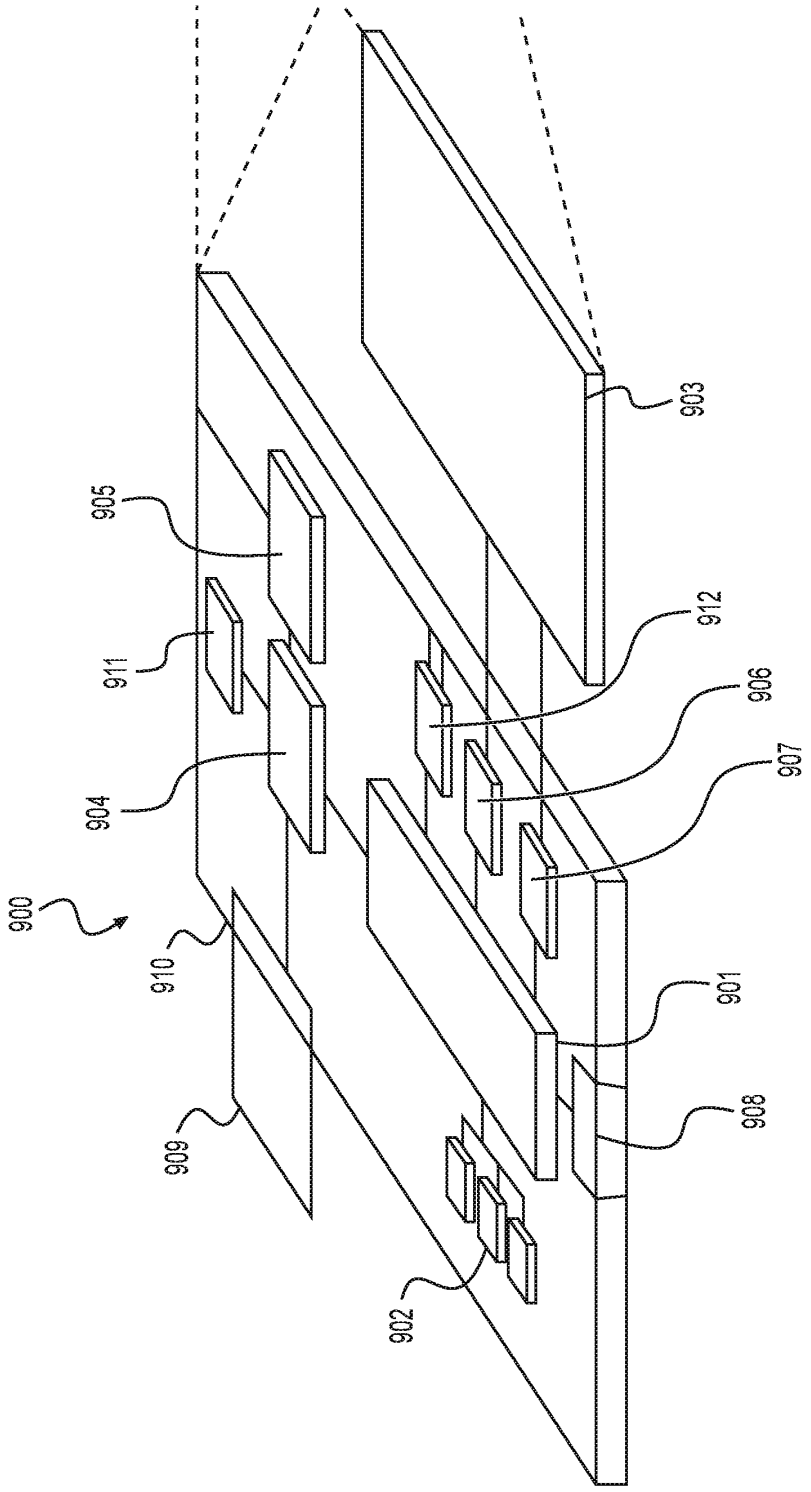


FIG. 13

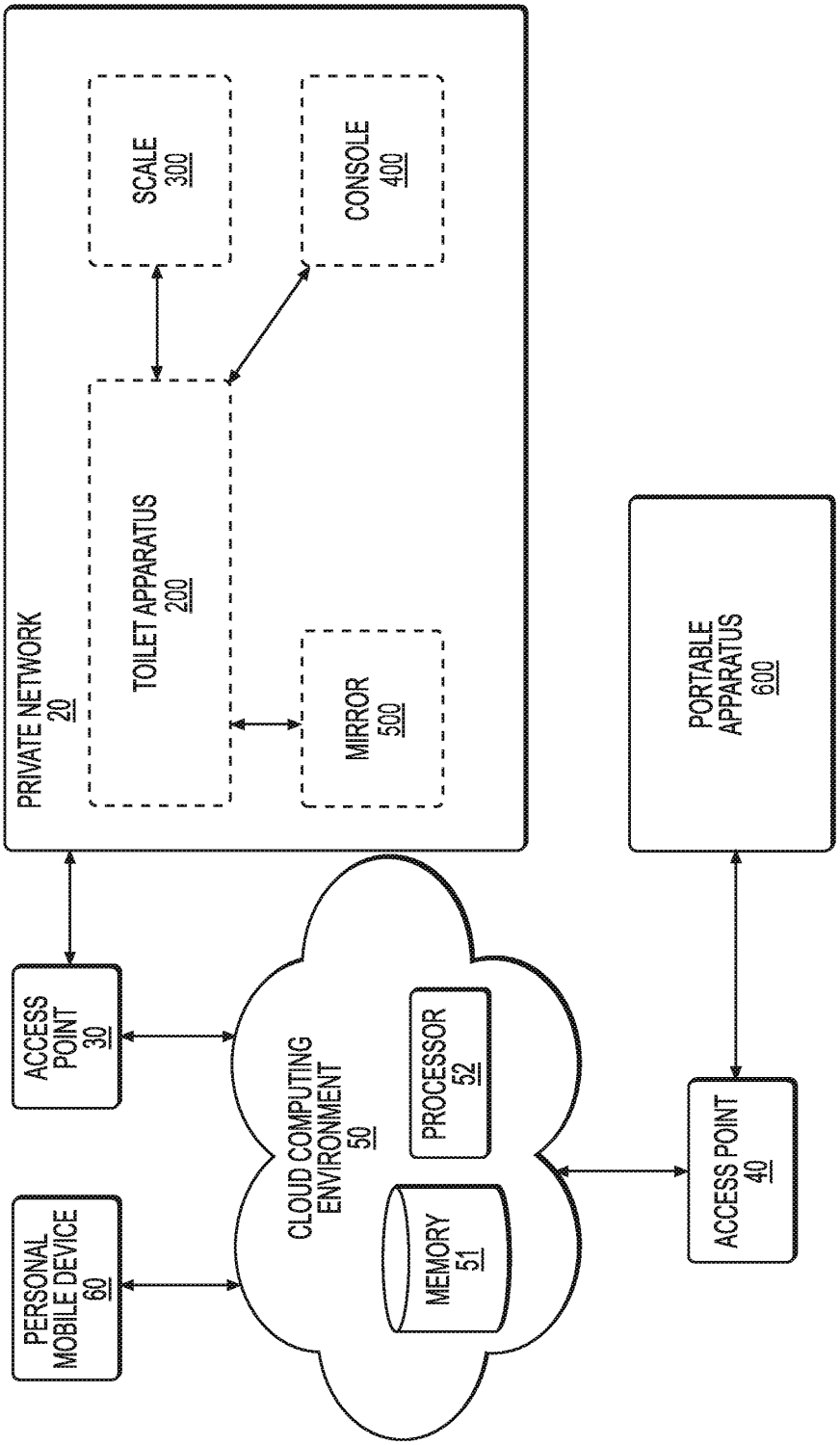

PRIVATE NETWORK
20
SCALE
300
CONSOLE
400
TOILET APPARATUS
200
MIRROR
500
PORTABLE APPARATUS
600
ACCESS POINT
30
CLOUD COMPUTING ENVIRONMENT
50
PROCESSOR
52
MEMORY
51
ACCESS POINT
40
PERSONAL MOBILE DEVICE
60

FIG. 14

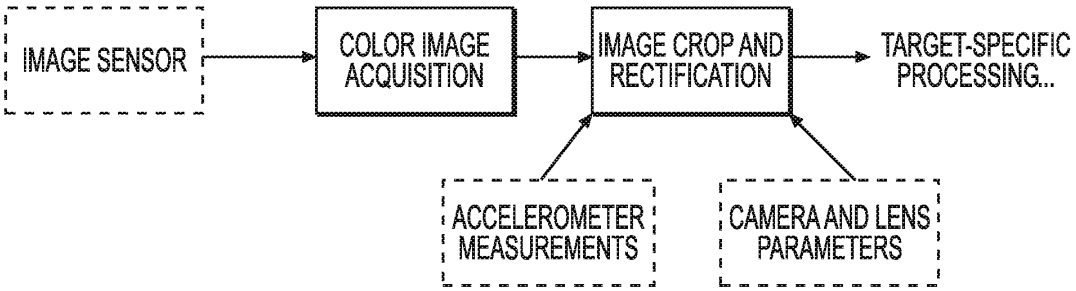


FIG. 15A

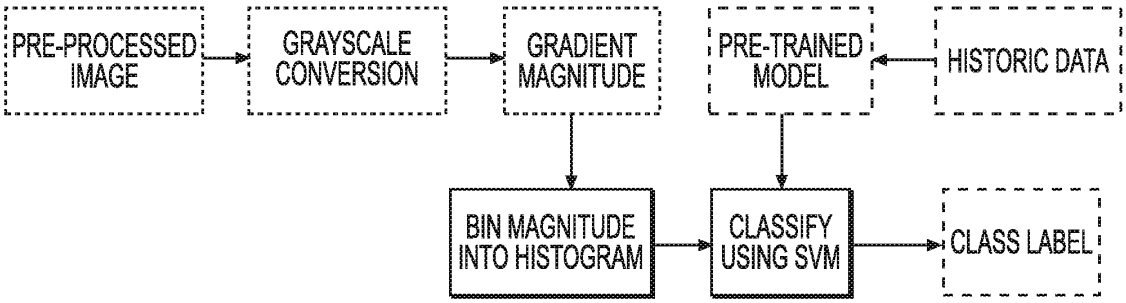


FIG. 15B

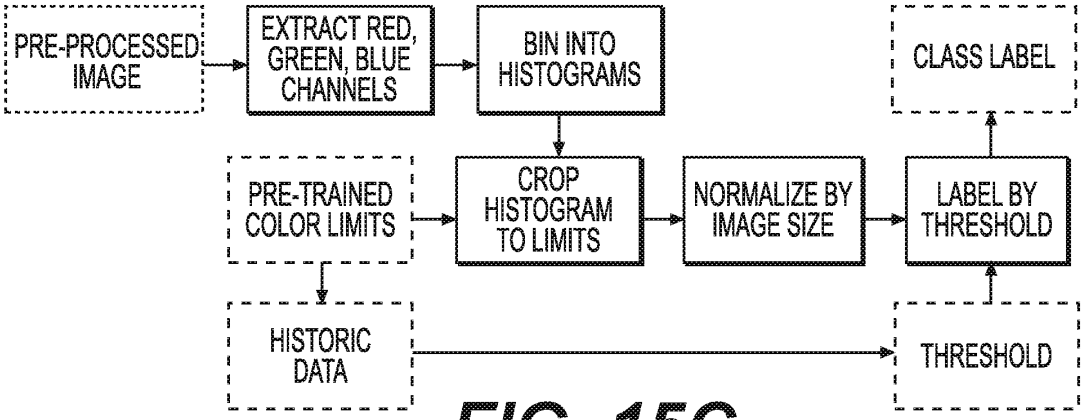


FIG. 15C

YES/NO/GRADE	LABEL
YES	FORMED STOOL, NO VISIBLE BLOOD
YES	UNFORMED STOOL, VISIBLE BLOOD
NO	VISIBLE BLOOD
YES	DARK URINE
NO	DARK URINE
YES	CLOUDY URINE
NO	CLOUDY URINE
1	SEPERATE HARD LUMPS OF STOOL
2	SAUSAGE-SHAPED, LUMPY STOOL
3	SAUSAGE-SHAPED WITH CRACKS ON THE SURFACE OF STOOL
4	SMOOTH, SAUSAGE OR SNAKE SHAPED STOOL
5	SOFT BLOBS WITH CLEAR-CUT EDGE STOOL
6	MUSHY CONSISTENCY WITH RAGGED EDGE STOOL
7	ENTIRELY LIQUID STOOL
1	NO COLOR URINE
2	PALE STRAW YELLOW URINE
3	TRANSLUCENT YELLOW URINE
4	DARK YELLOW URINE
5	AMBER/HONEY URINE
6	BROWN URINE
7	ORANGE URINE
8	PINKISH URINE
9	BLUE OR GREEN URINE

FIG. 15D

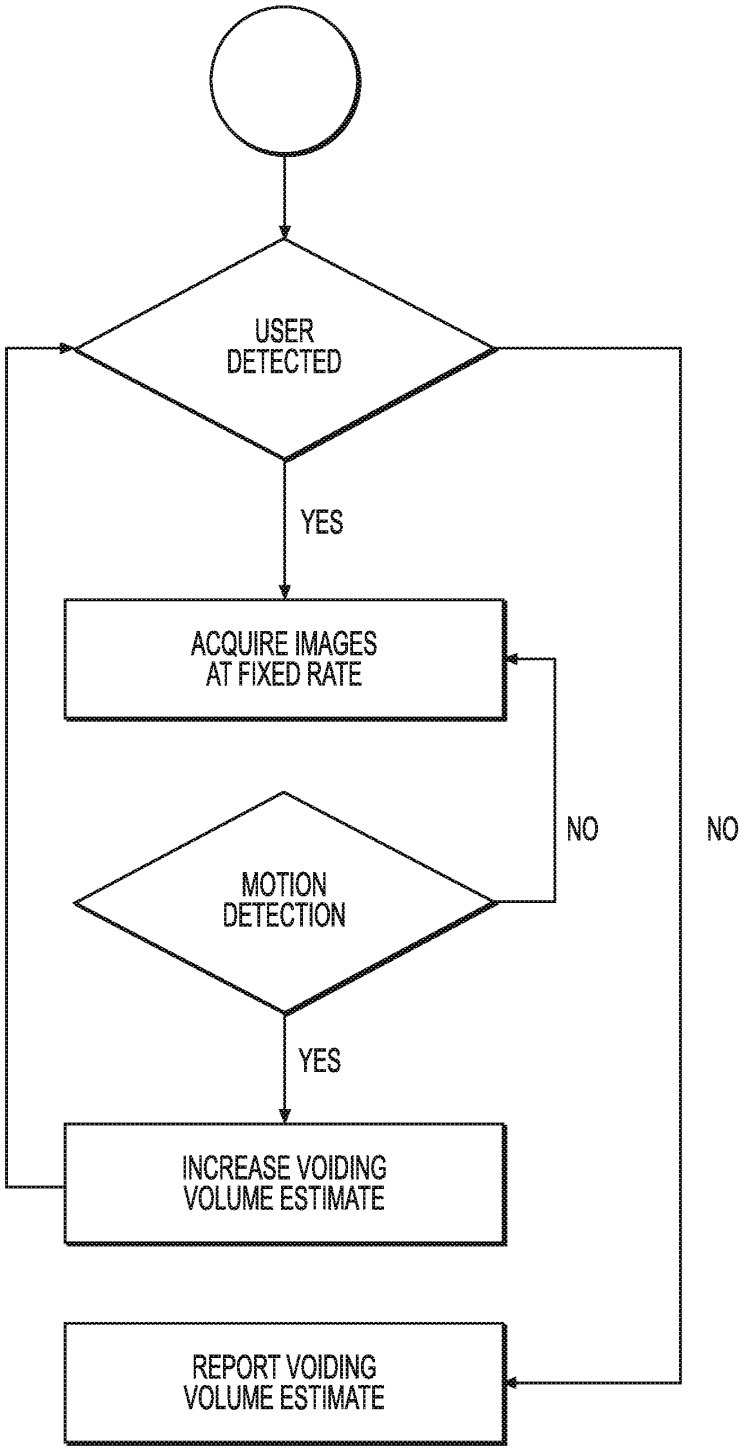

USER DETECTED
YES
ACQUIRE IMAGES AT FIXED RATE
MOTION DETECTION
NO
NO
YES
INCREASE VOIDING VOLUME ESTIMATE
REPORT VOIDING VOLUME ESTIMATE

FIG. 15E

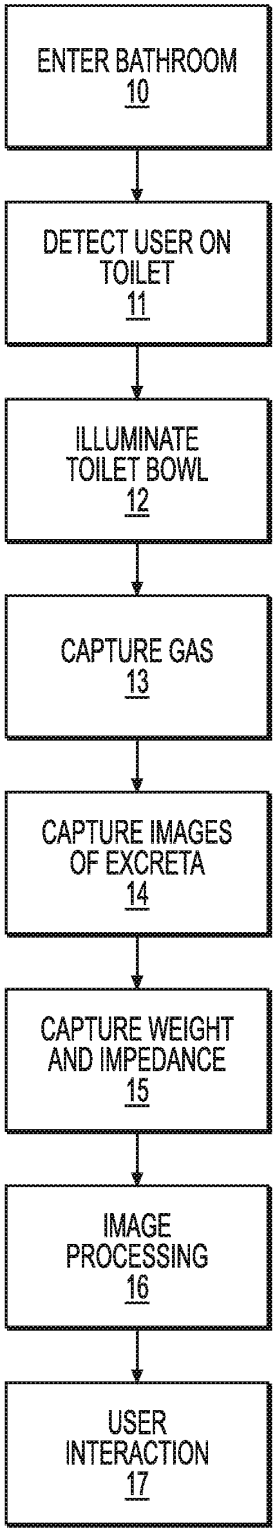

ENTER BATHROOM
10
DETECT USER ON TOILET
11
ILLUMINATE TOILET BOWL
12
CAPTURE GAS
13
CAPTURE IMAGES OF EXCRETA
14
CAPTURE WEIGHT AND IMPEDANCE
15
IMAGE PROCESSING
16
USER INTERACTION
17

FIG. 16