

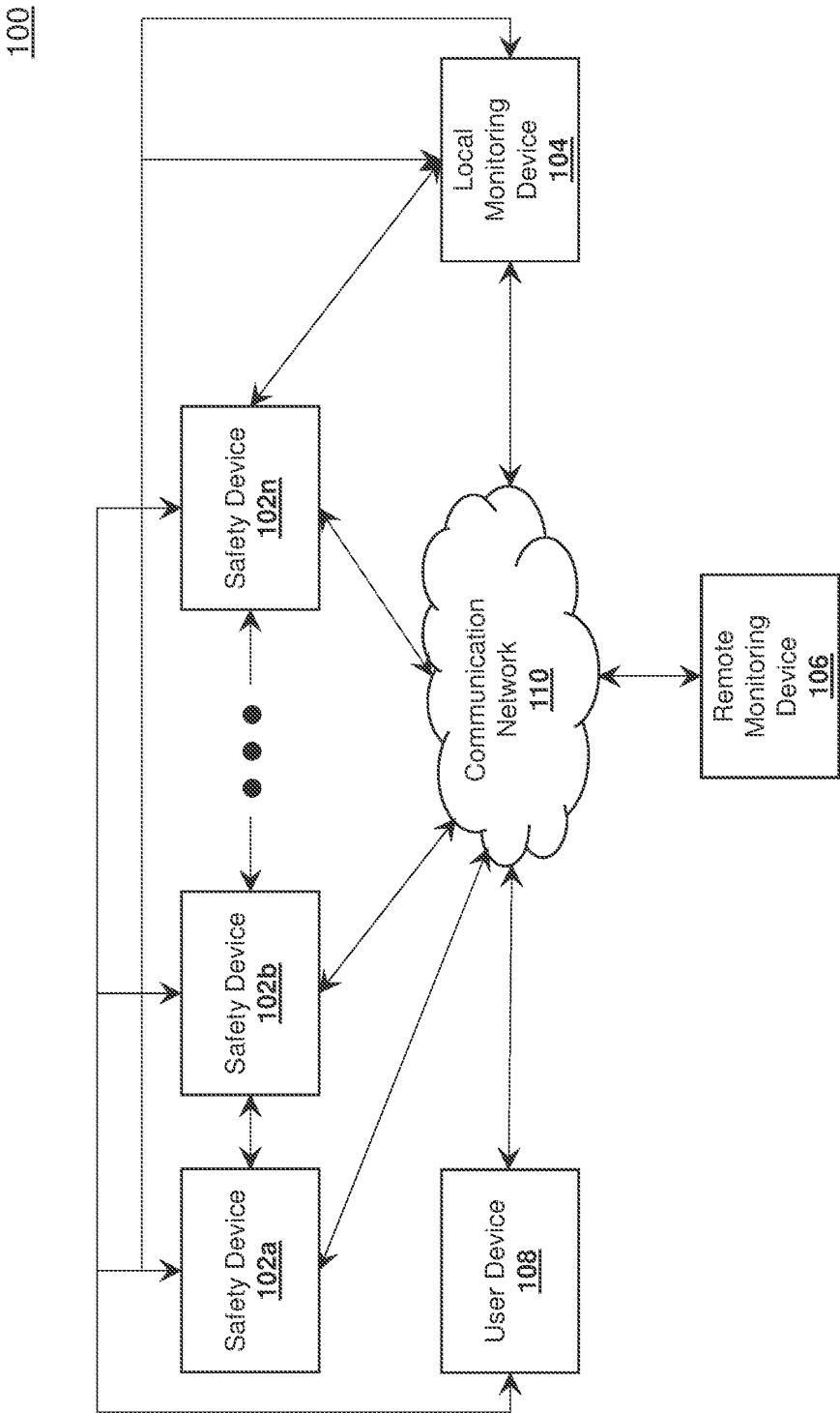


FIG. 1

200

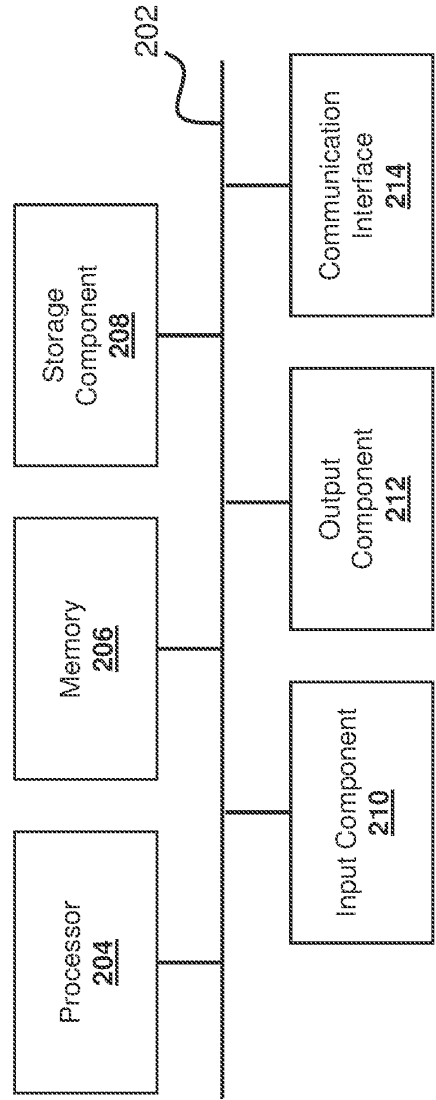


FIG. 2

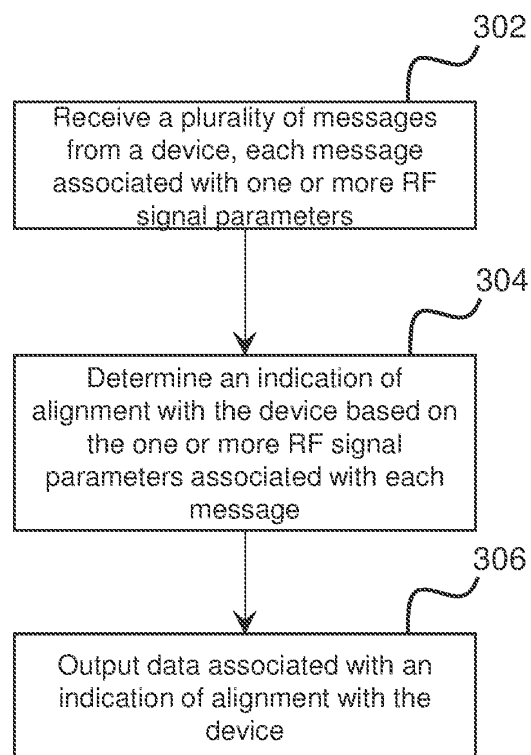
300

FIG. 3A

315

DEVICE ID:	User_Device_102b
Message ID:	0001
Power Level (-10db, 3db, 13db, 20db):	-10db

DEVICE ID:	User_Device_102b
Message ID:	0002
Power Level (-10db, 3db, 13db, 20db):	3db

DEVICE ID:	User_Device_102b
Message ID:	0008
Power Level (-10db, 3db, 13db, 20db):	20db

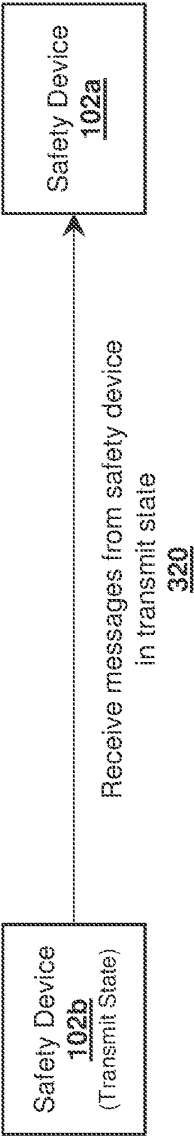


FIG. 3B

315

Message ID:	Power level at which the message was received (in RSSI)
0001	0
0002	-110
0003	-50
0004	4
0005	0
0006	-105
0007	-50
0008	4
0009	0
0010	-100
0011	-50
0012	4
0013	-120
0014	-95
0015	-35
0016	4

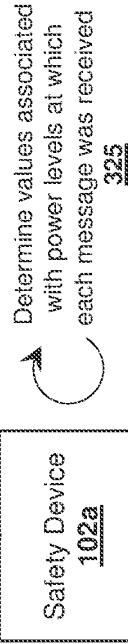
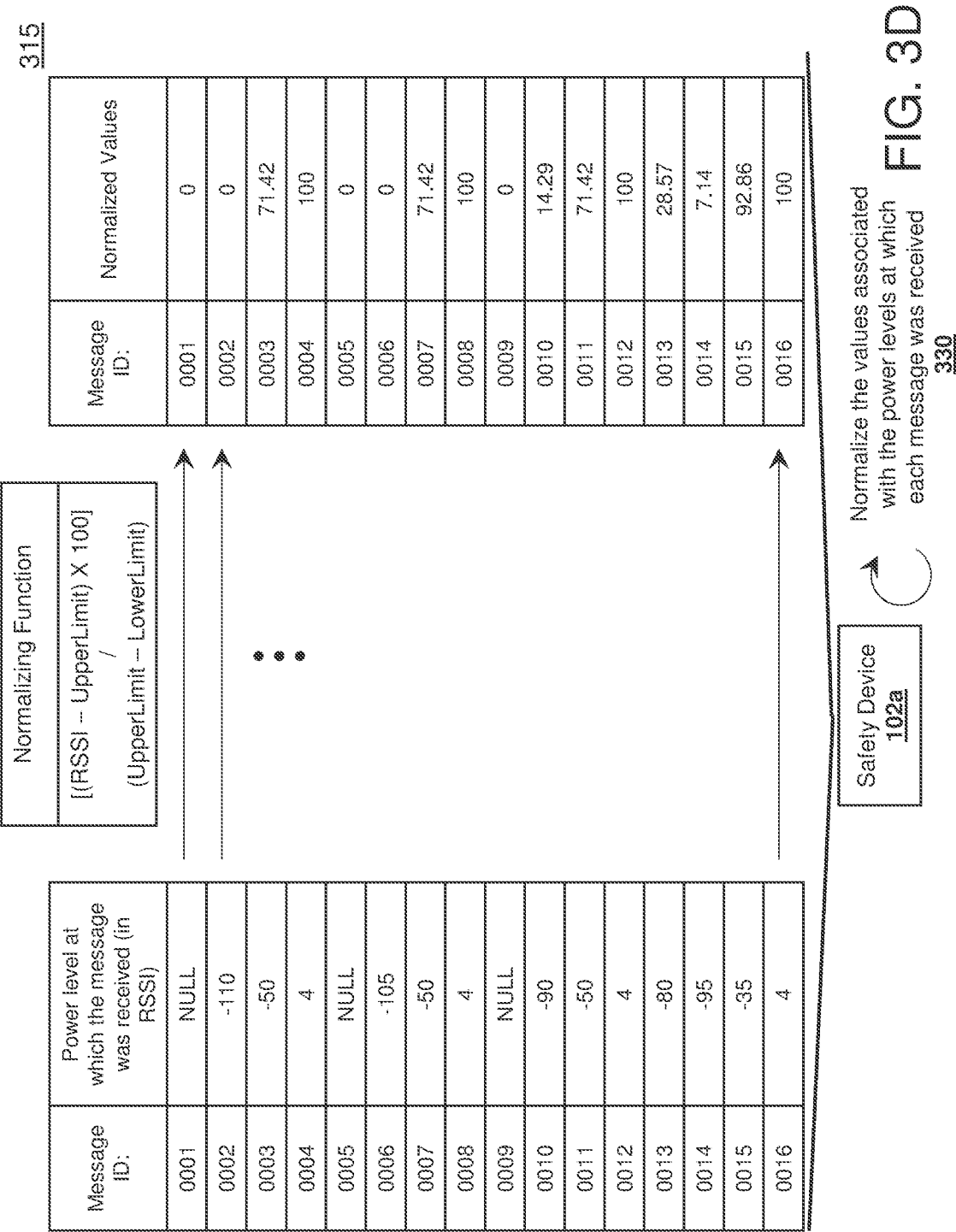


FIG. 3C

325



315

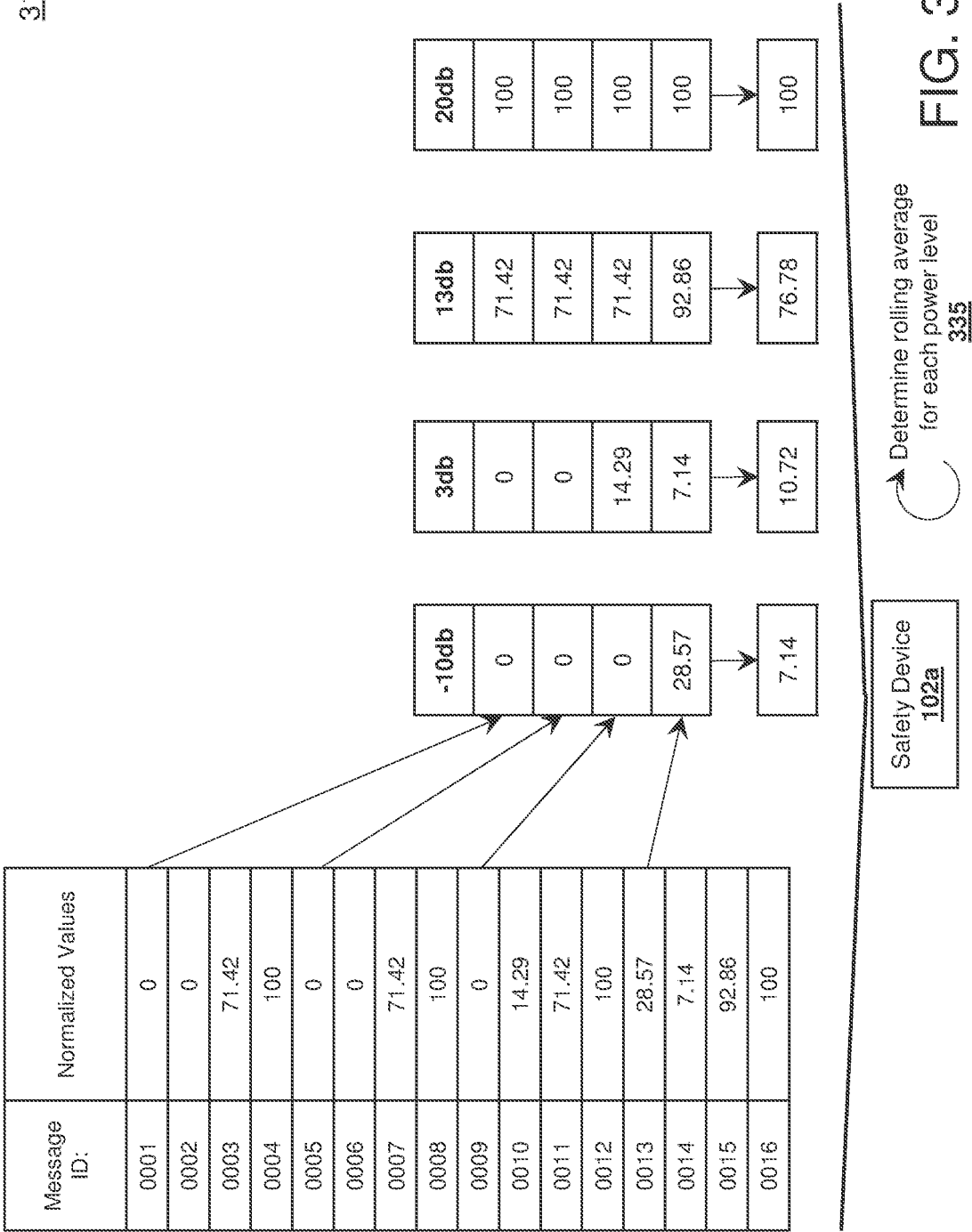
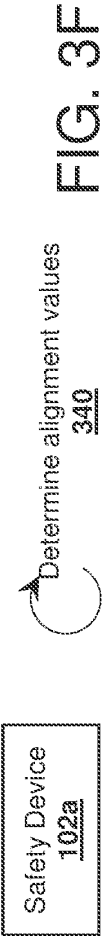
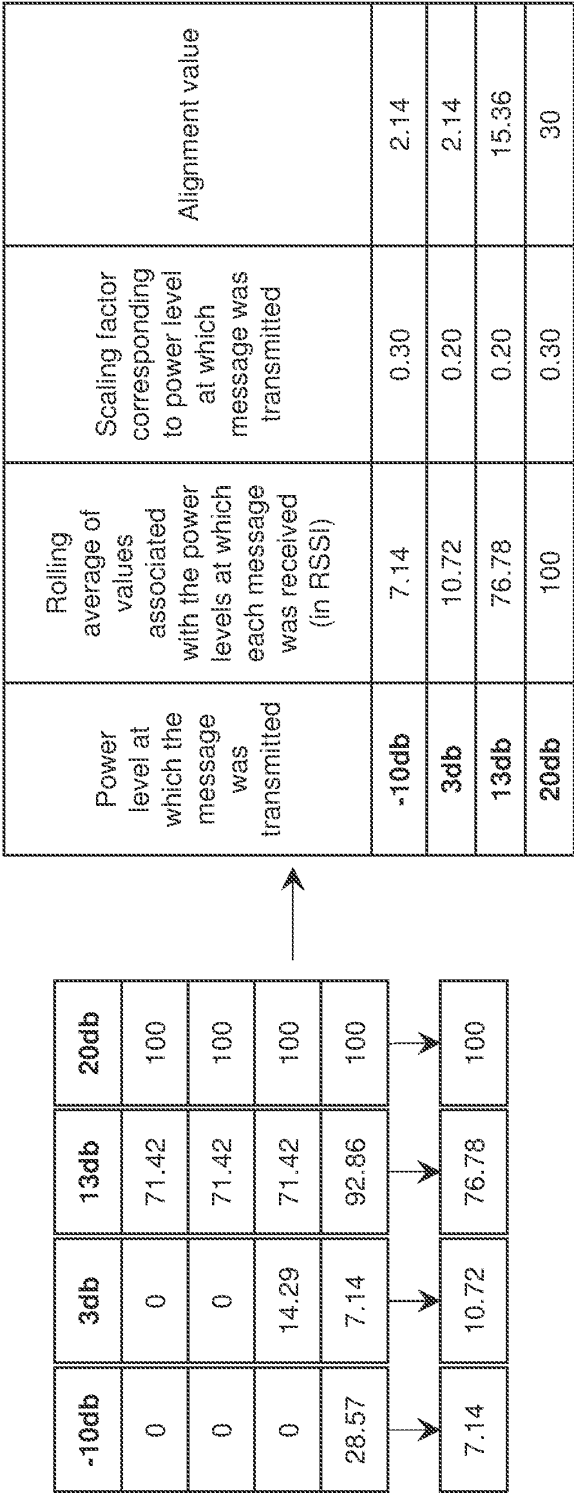


FIG. 3E

315



315

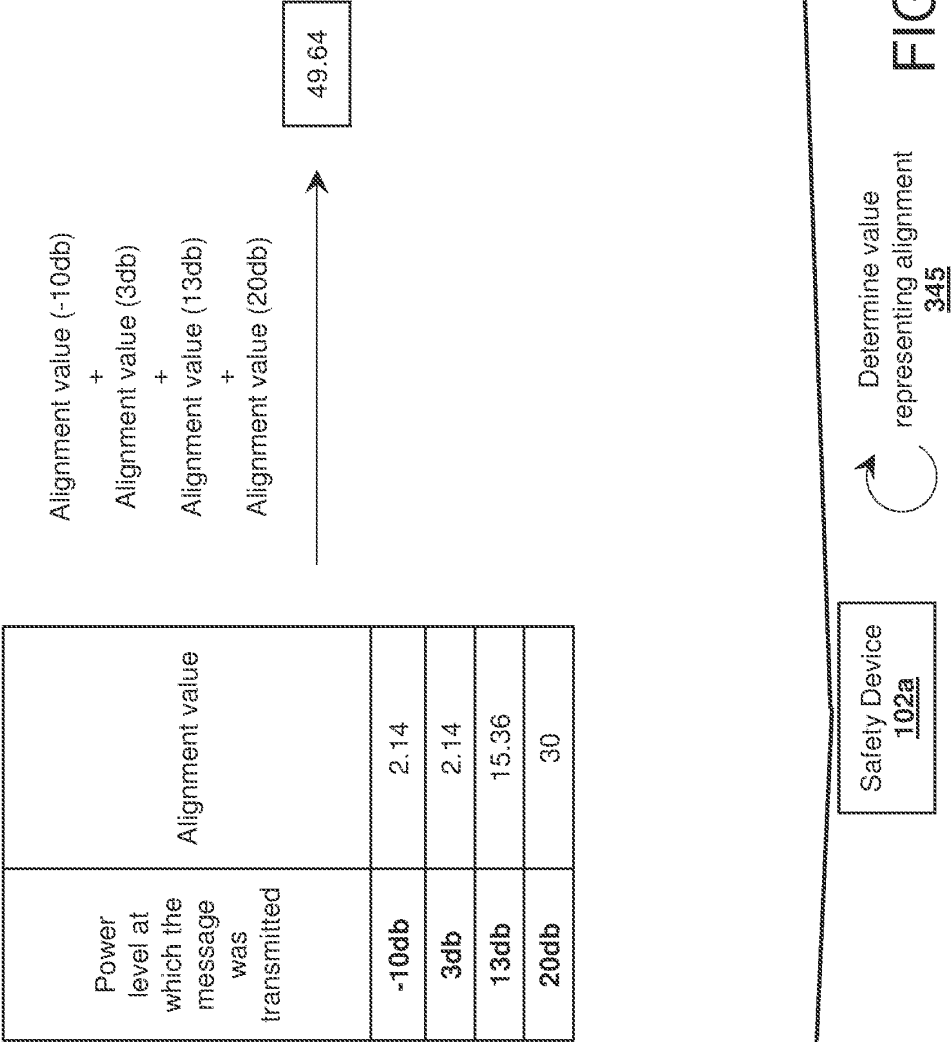
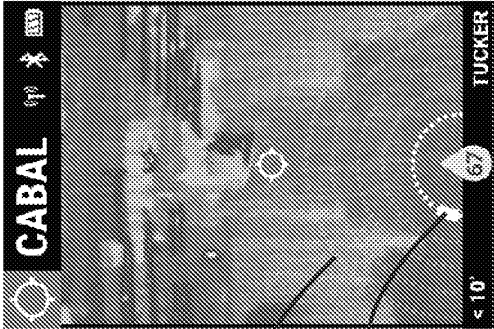


FIG. 3G

315



Indication of the distance to the device in the transmit state

Indication of the direction of alignment

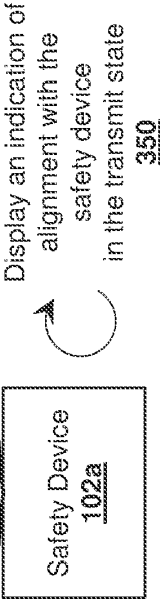


FIG. 3H

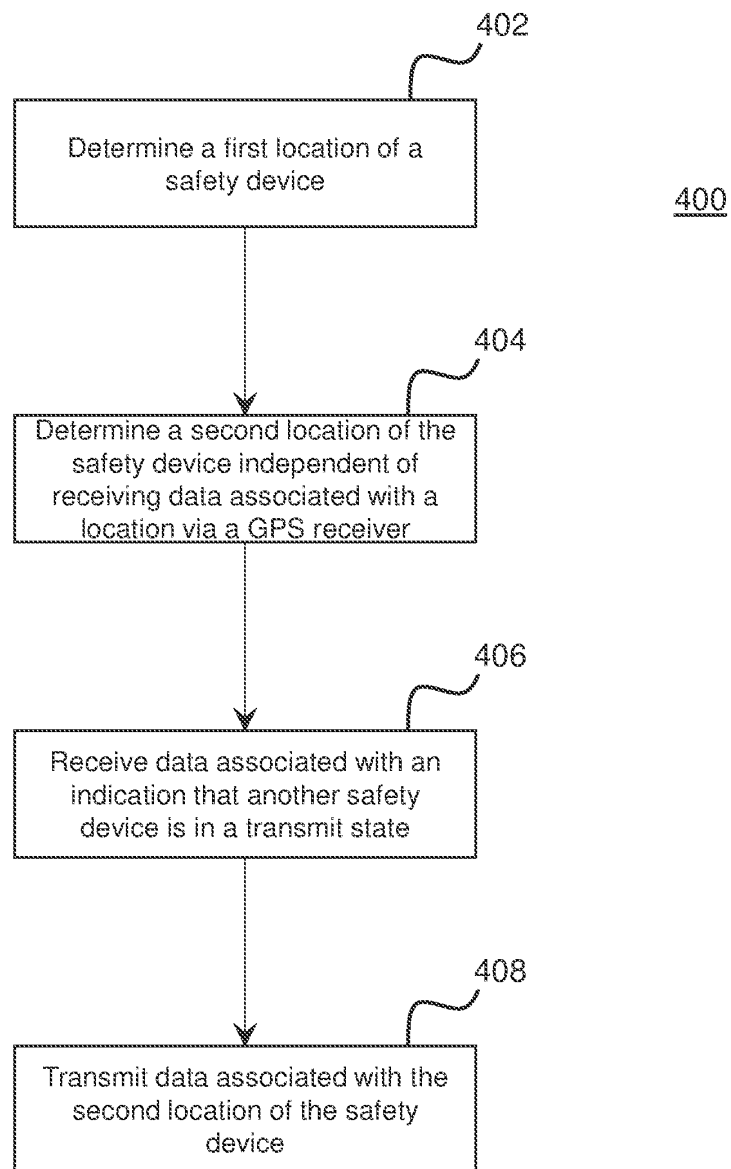
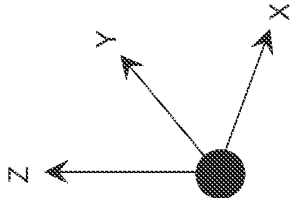


FIG. 4A

415

Absolute Location of
Safety Device



GPS = 37.7749°N, 122.4194°W
IMU = X_1, Y_1, Z_1

FIG. 4B

415

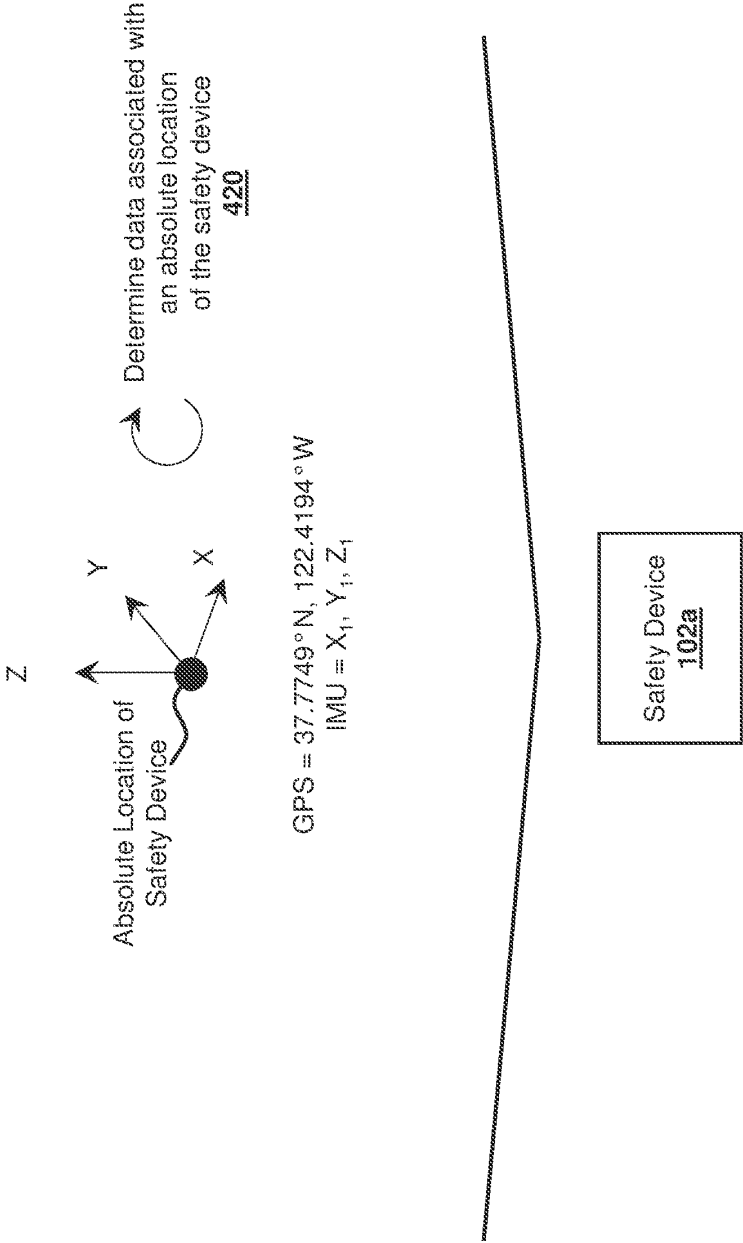


FIG. 4C

415

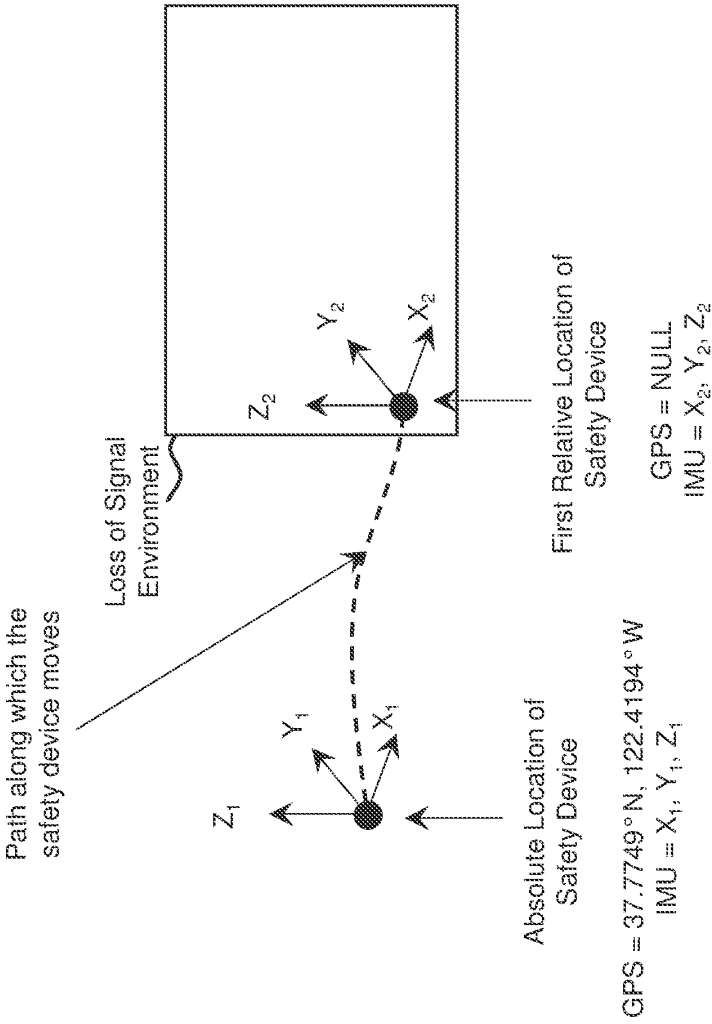


FIG. 4D

415

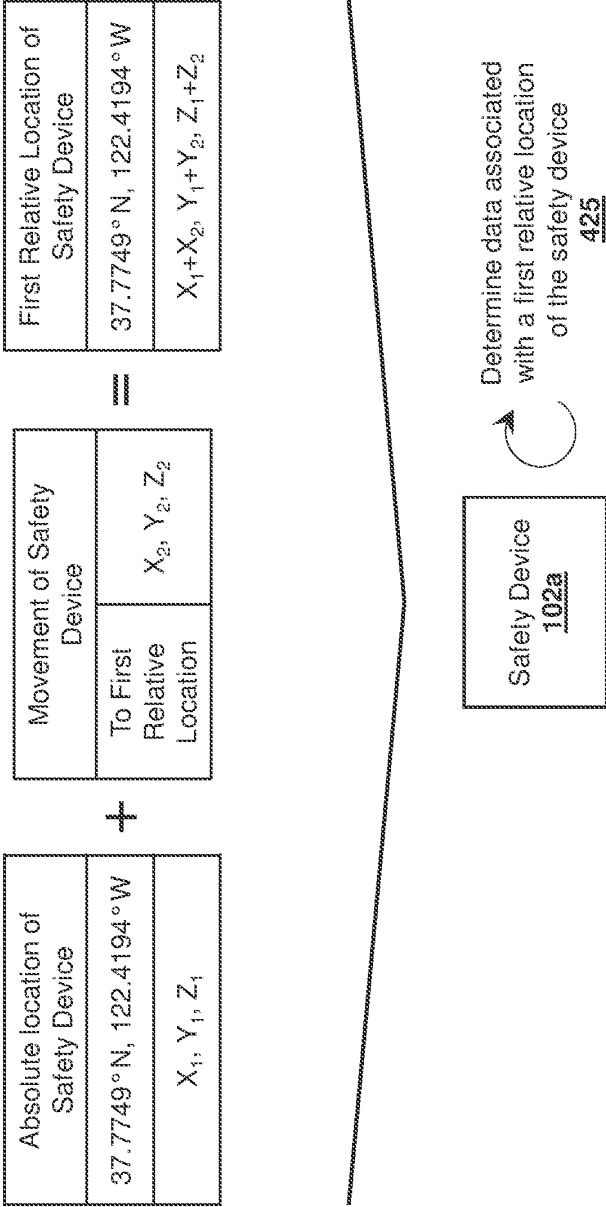


FIG. 4E

415

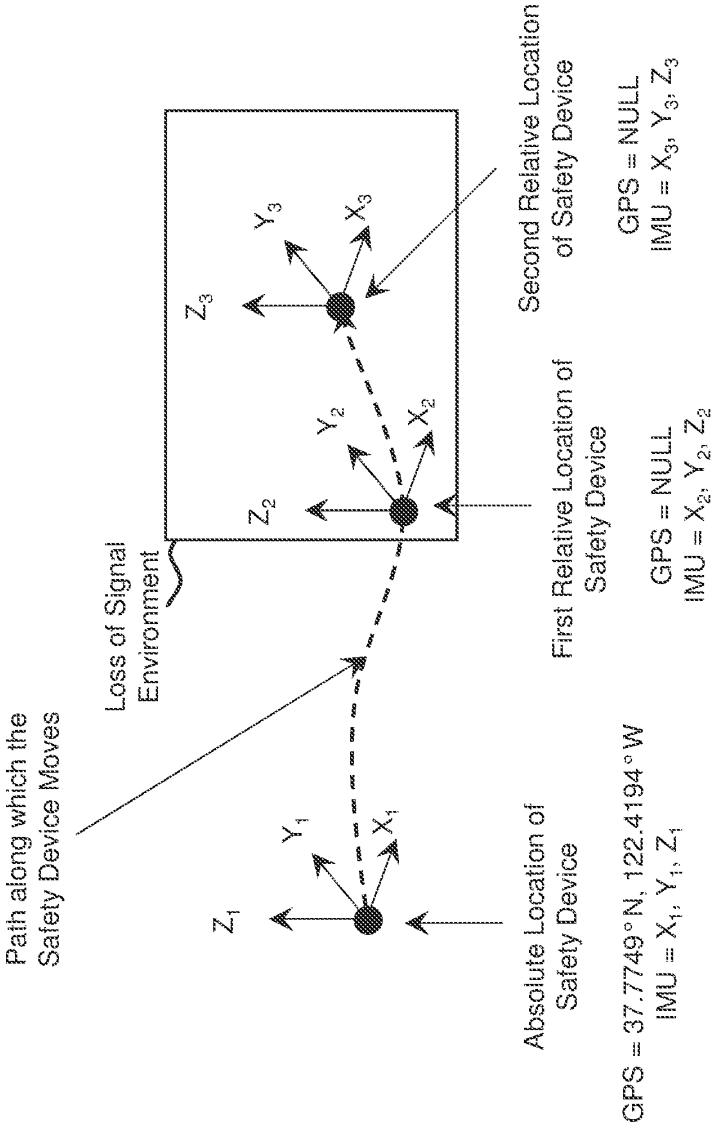


FIG. 4F

415

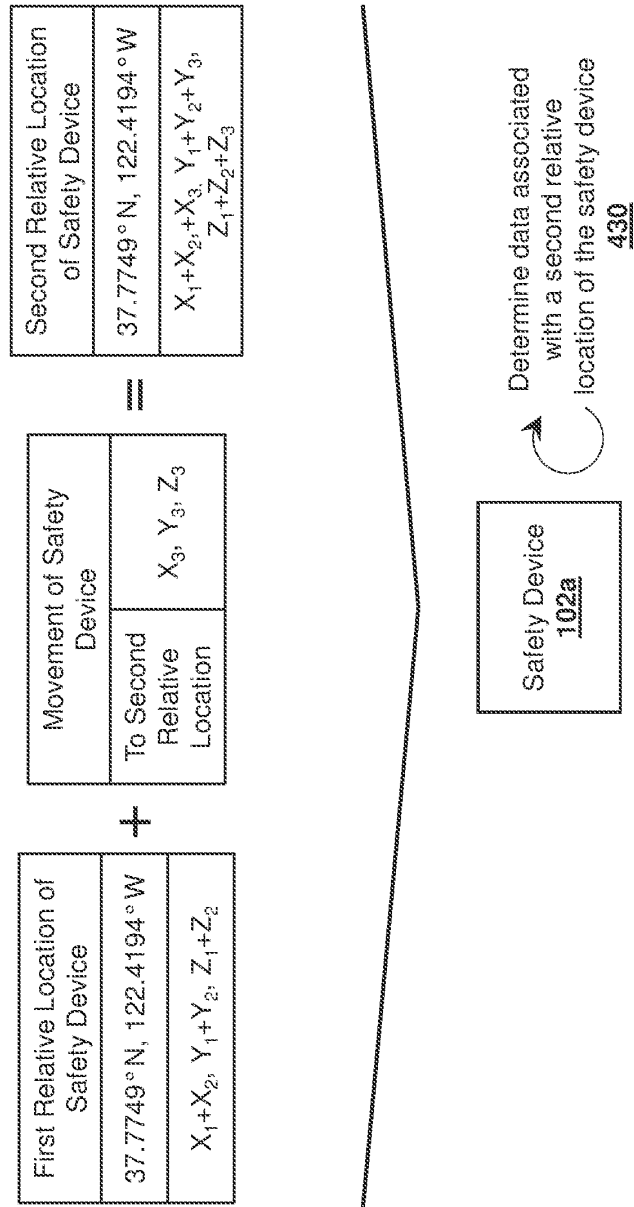
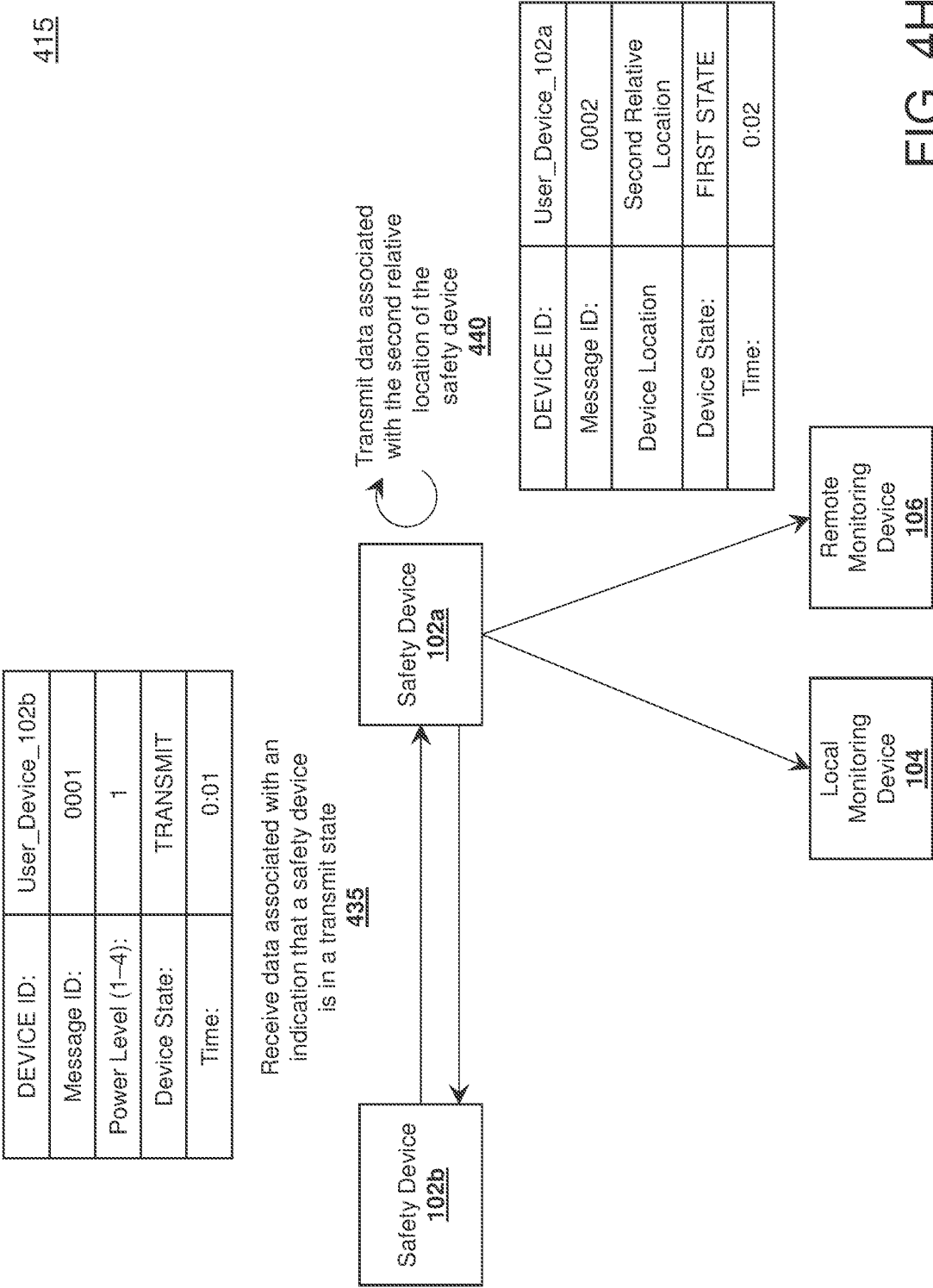


FIG. 4G



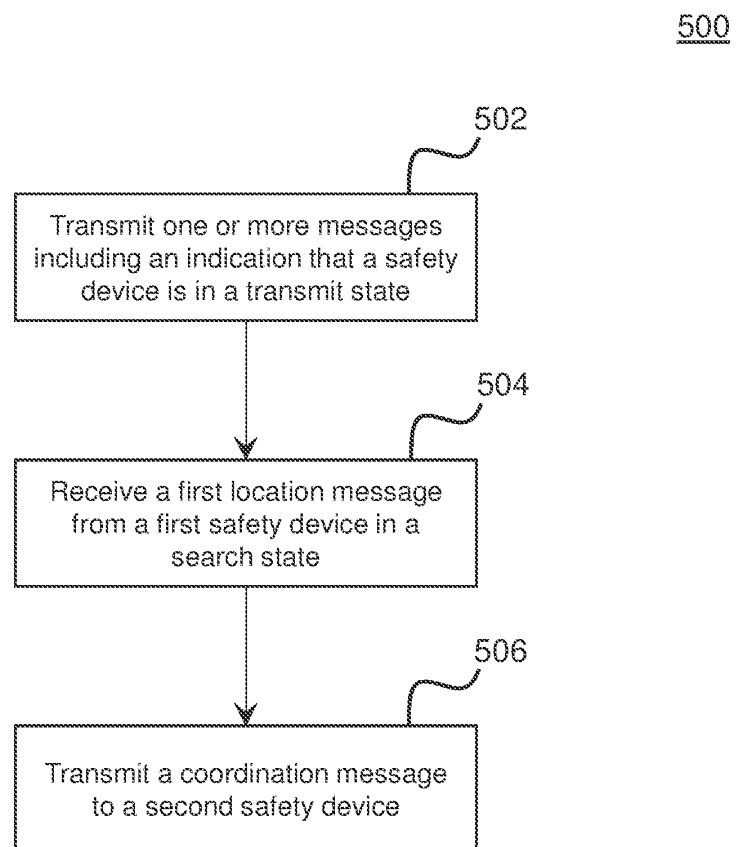


FIG. 5A

515

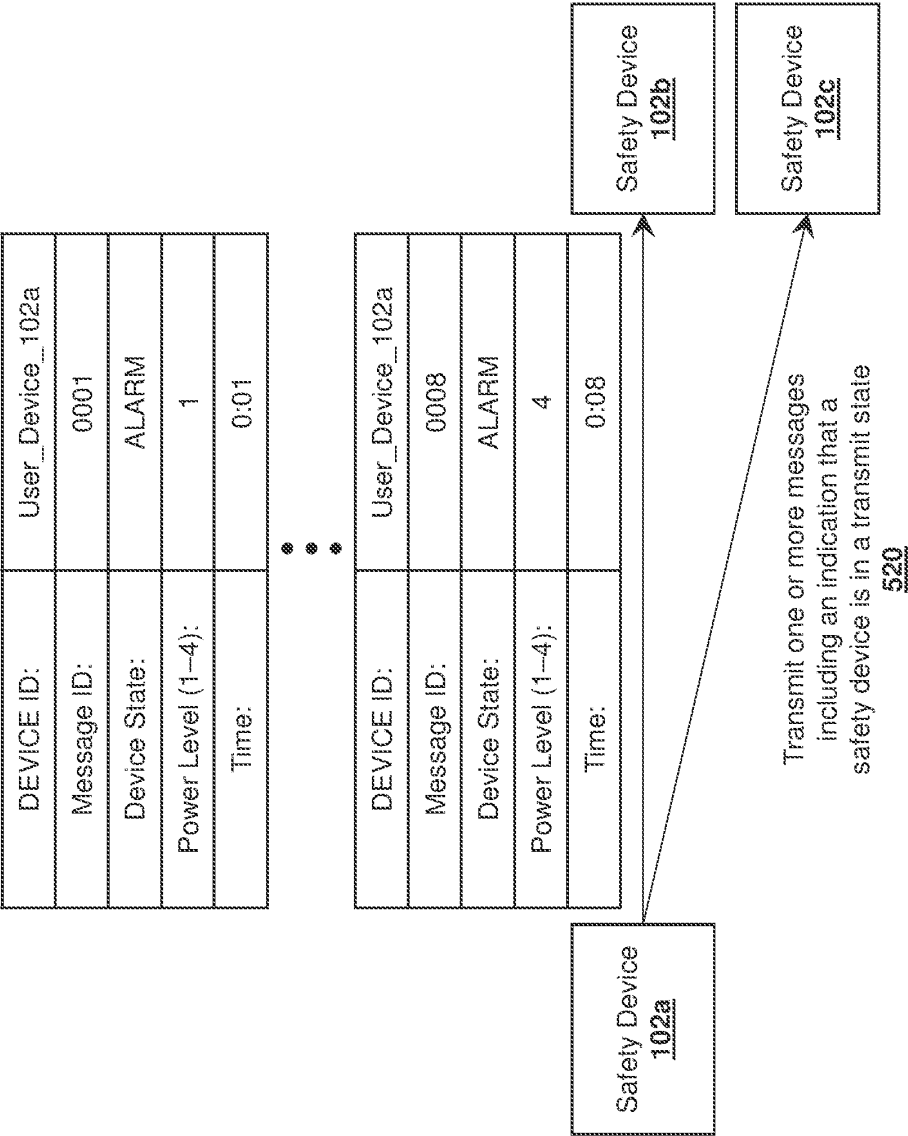


FIG. 5B

515

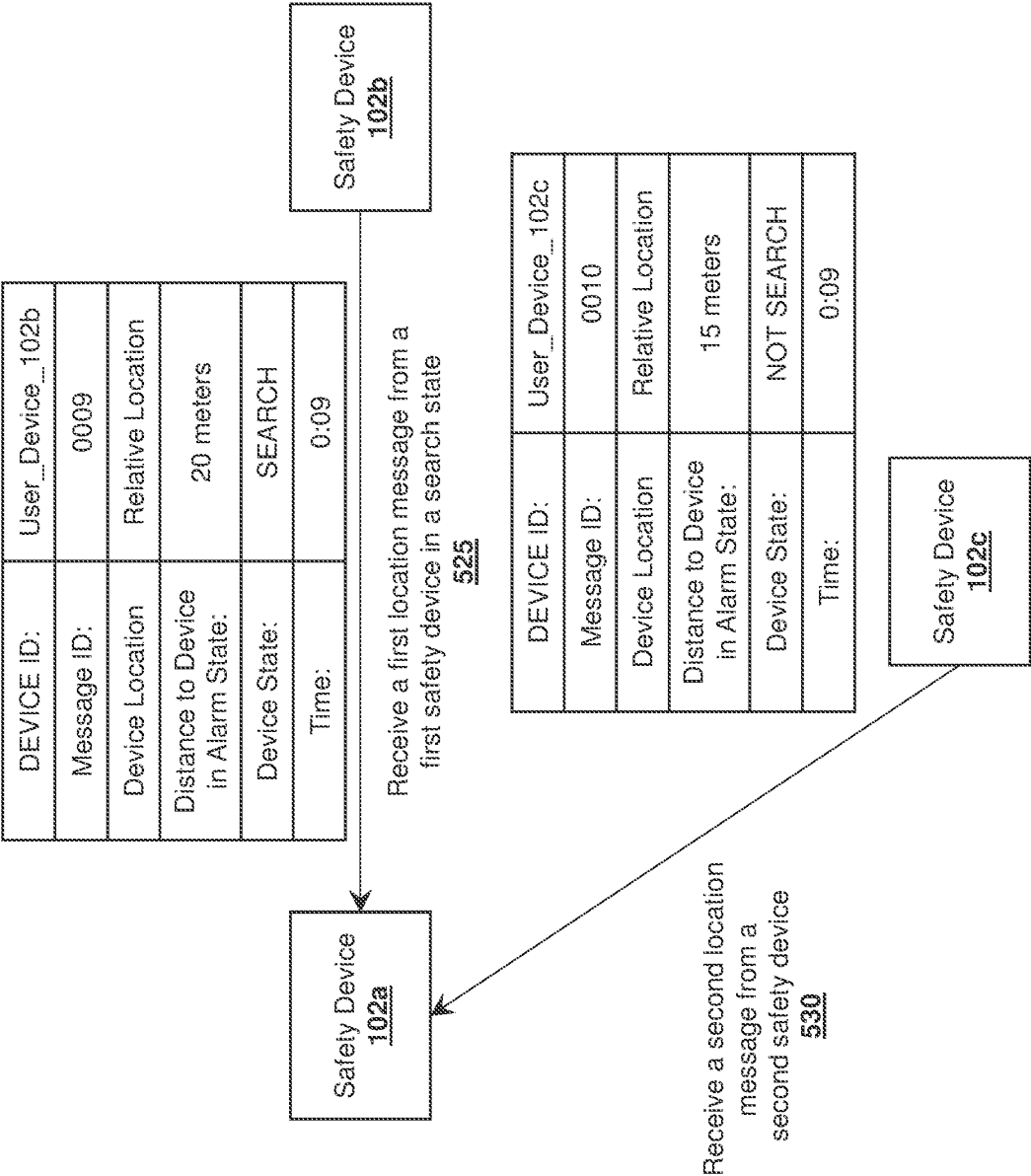
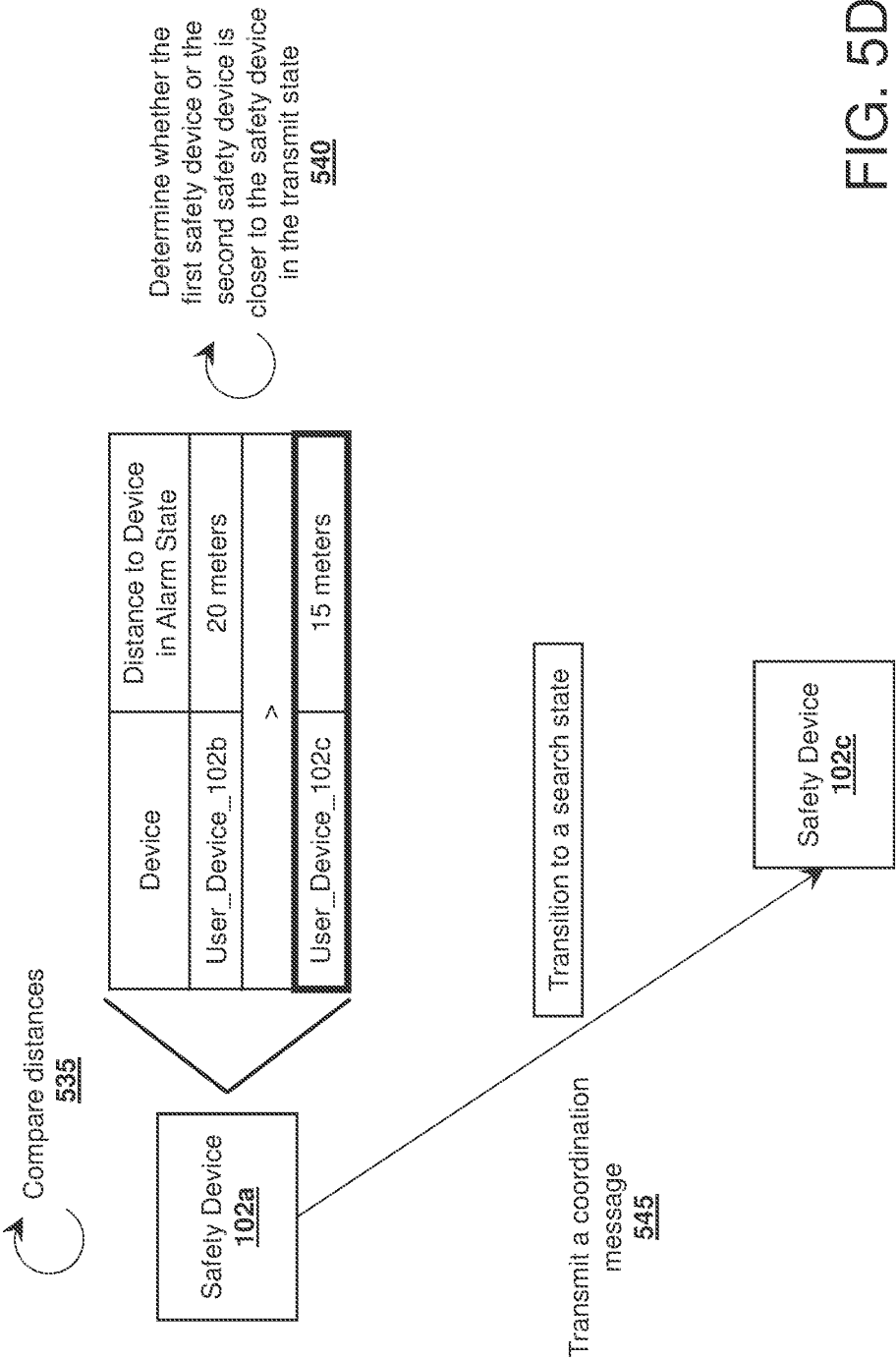


FIG. 5C

515



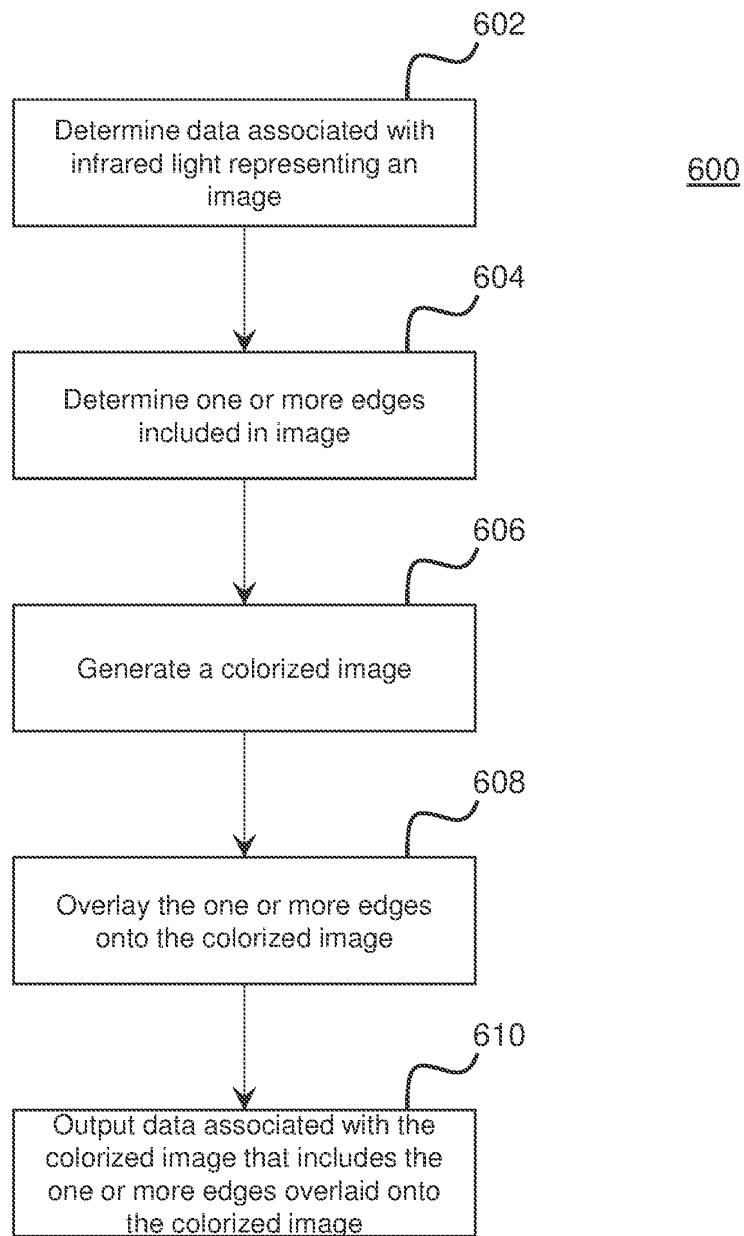
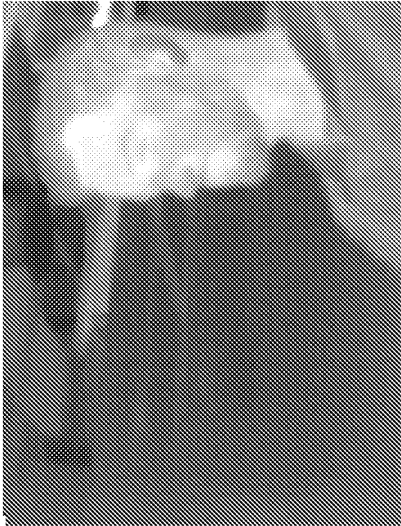


FIG. 6A

615



0.02 _{1,1}	0.04 _{1,2}	0.04 _{1,3}	•
0.06 _{2,1}	0.07 _{2,2}	0.06 _{2,3}	•
0.01 _{3,1}	0.02 _{3,2}	0.02 _{3,3}	•
• • •			

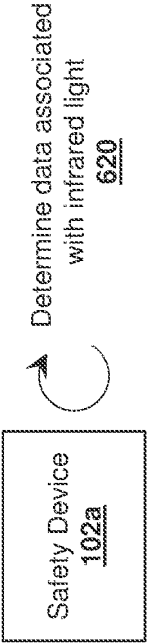


FIG. 6B

615



0.02 _{1,1}	0.04 _{1,2}	0.04 _{1,3}	•	•	•
0.06 _{2,1}	0.07 _{2,2}	0.06 _{2,3}			
0.01 _{3,1}	0.02 _{3,2}	0.02 _{3,3}			
			•	•	•

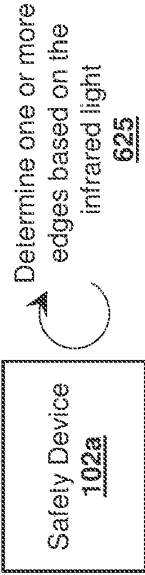
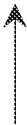


FIG. 6C

615

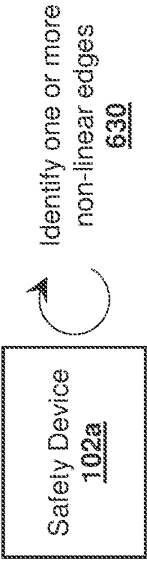
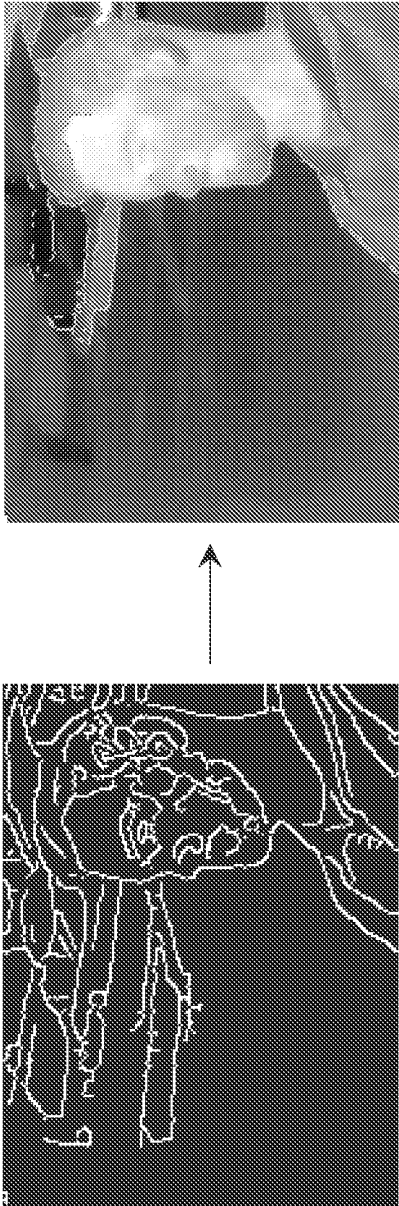


FIG. 6D

615

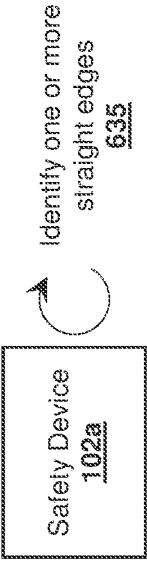
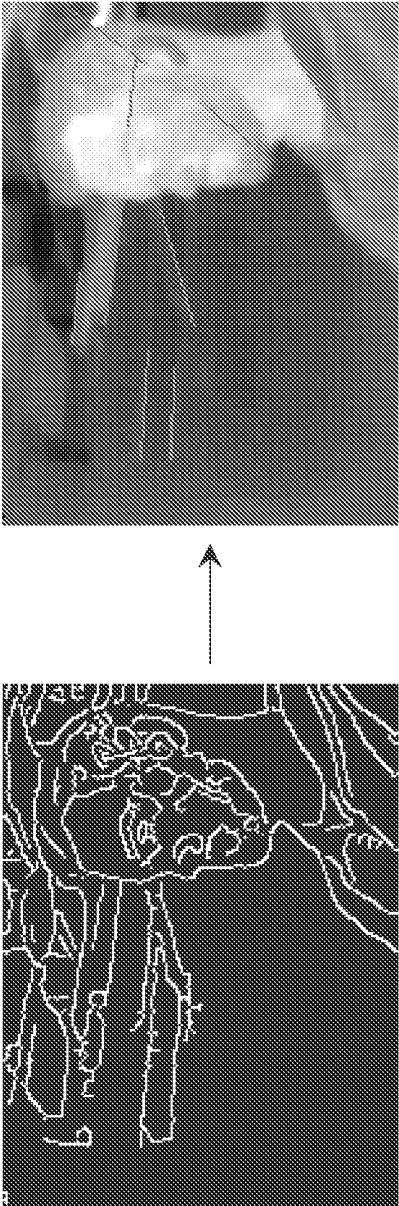
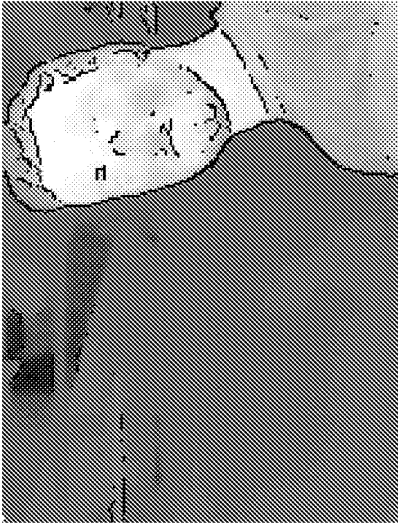


FIG. 6E

615



0.02 _{1,1}	0.04 _{1,2}	0.04 _{1,3}	•	•	•
0.06 _{2,1}	0.07 _{2,2}	0.06 _{2,3}			
0.01 _{3,1}	0.02 _{3,2}	0.02 _{3,3}			
			•	•	•

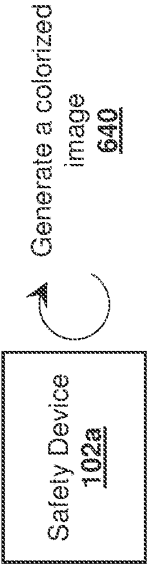


FIG. 6F

615

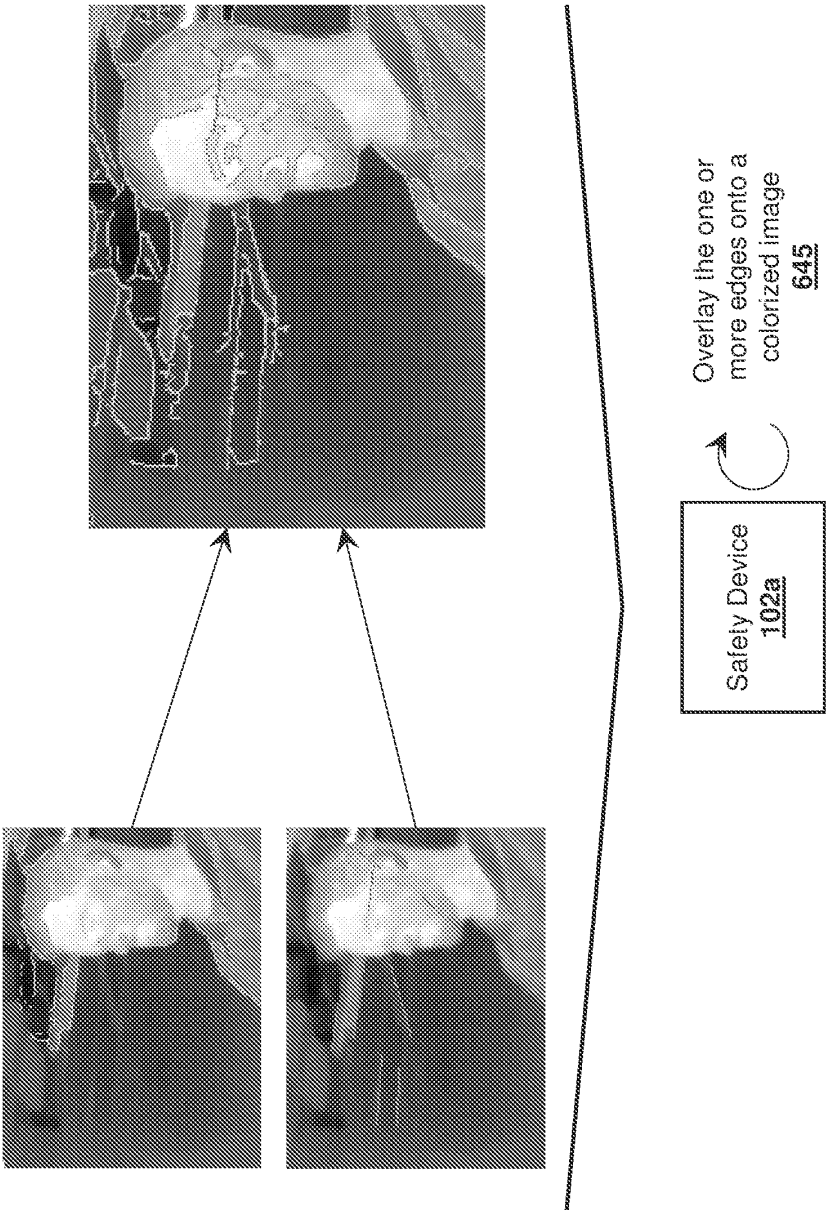


FIG. 6G

615

Generate data associated with
the colored image that includes the one
or more edges overlaid onto the colored image



650

RGB _{1,1}	RGB _{1,2}	RGB _{1,3}	•
RGB _{2,1}	RGB _{2,2}	RGB _{2,3}	•
RGB _{3,1}	RGB _{3,2}	RGB _{3,3}	•
• • •			

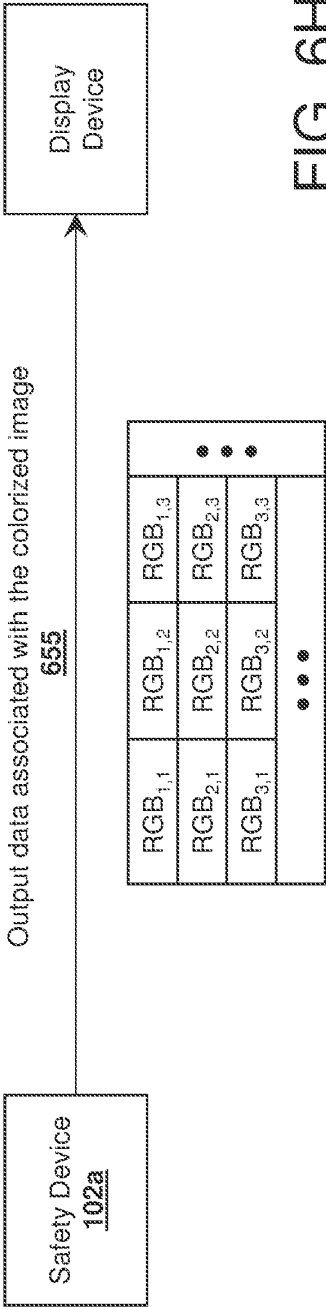


FIG. 6H

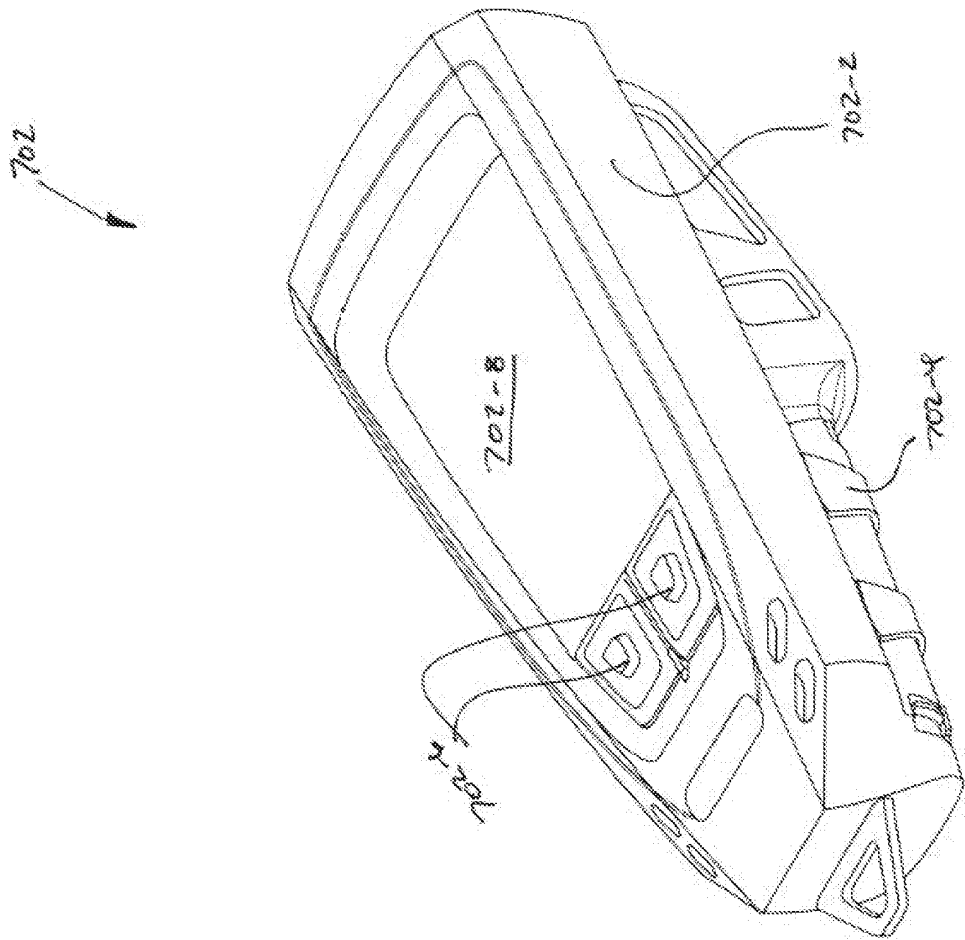


FIG. 7A

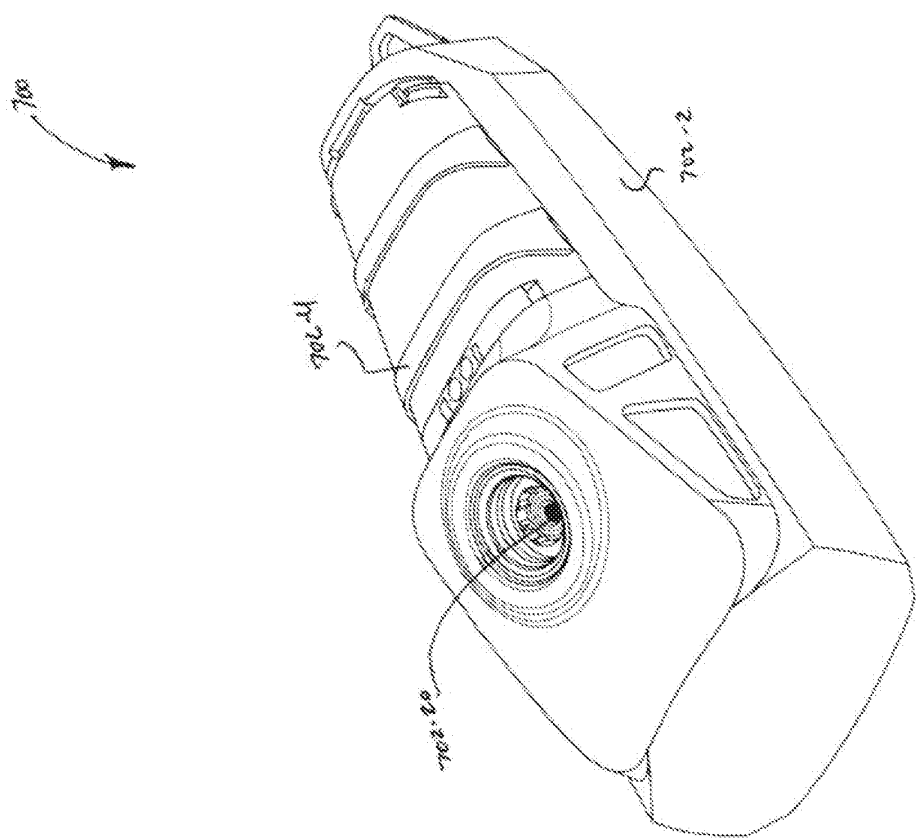
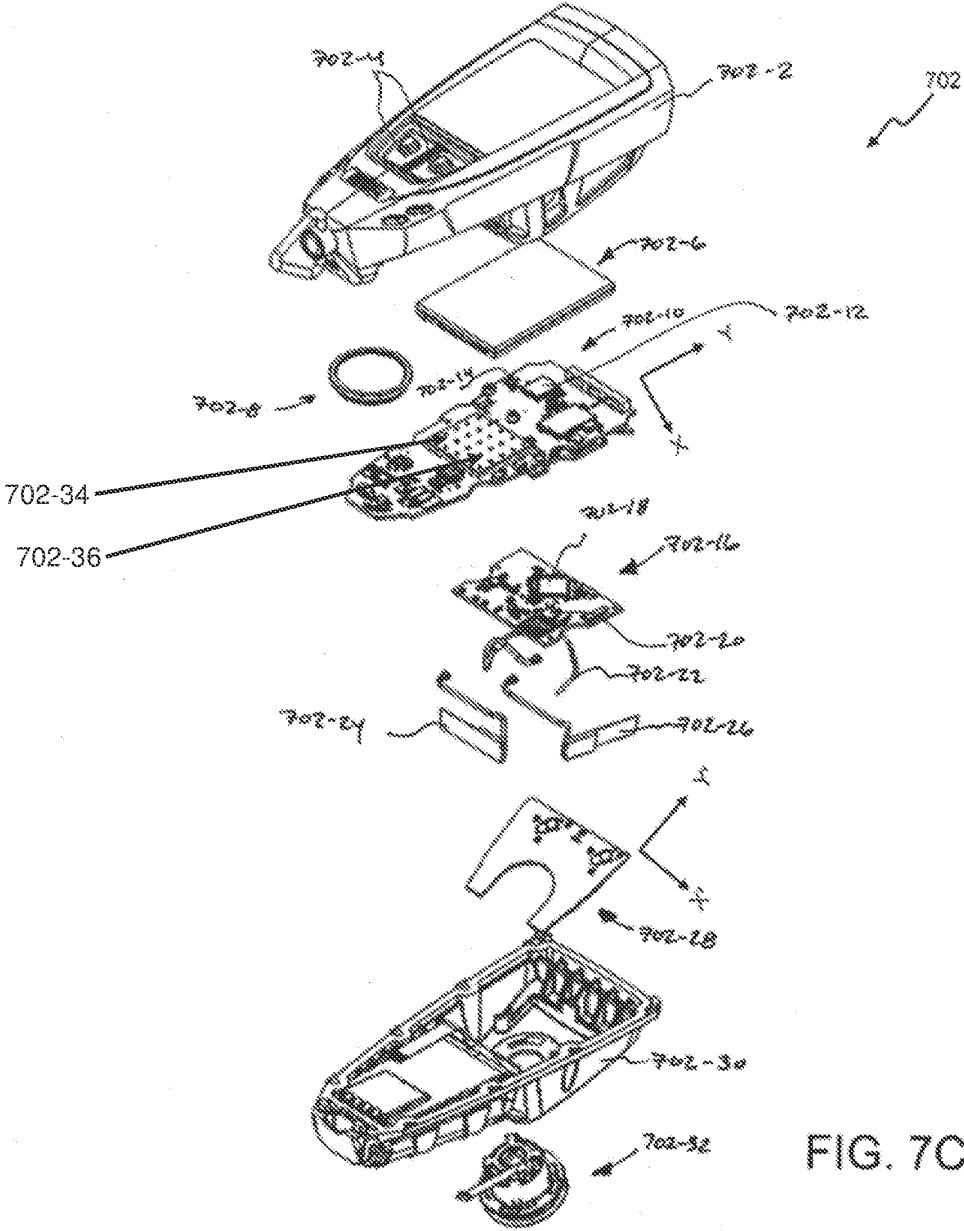


FIG. 7B



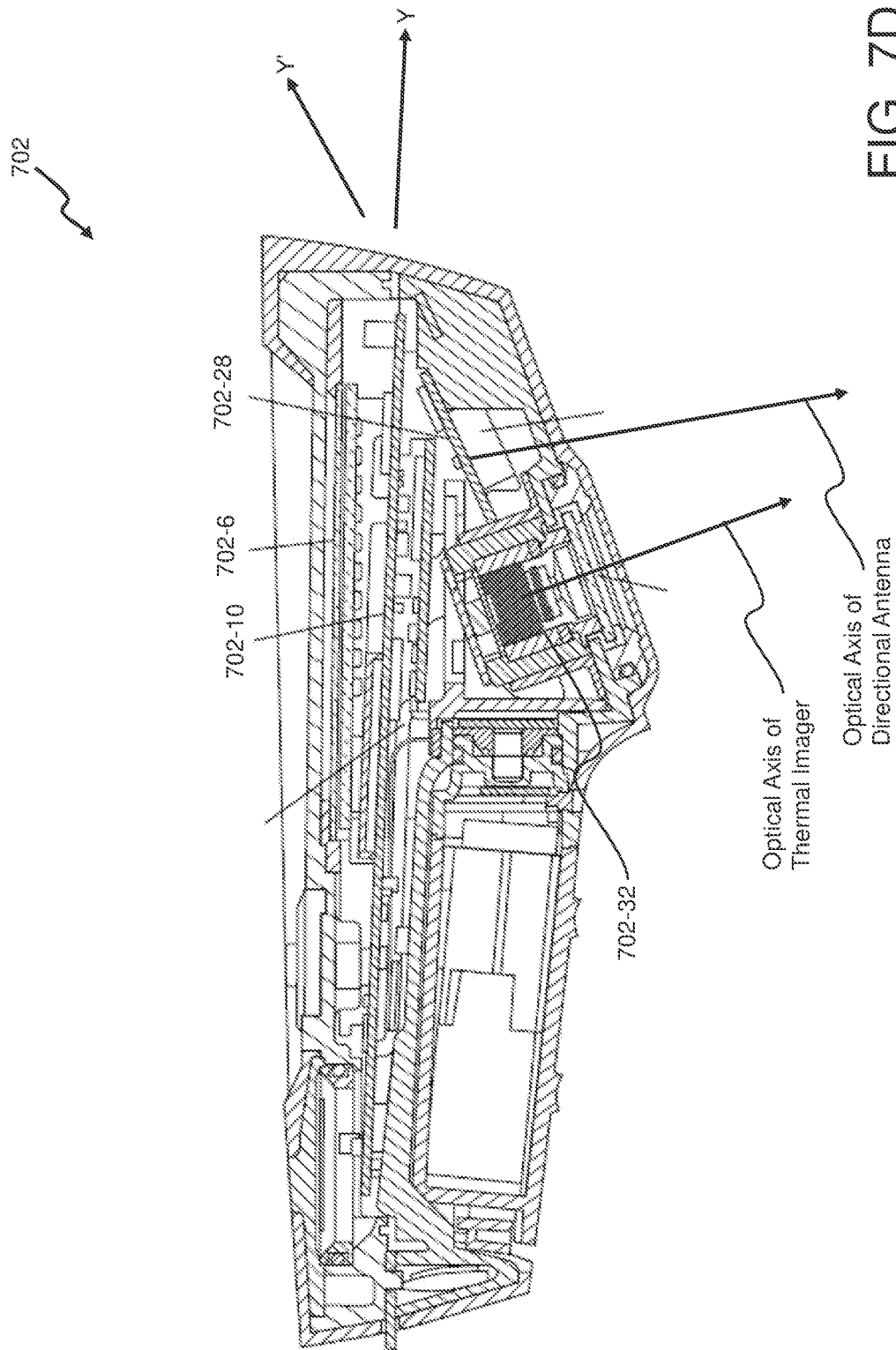


FIG. 7D

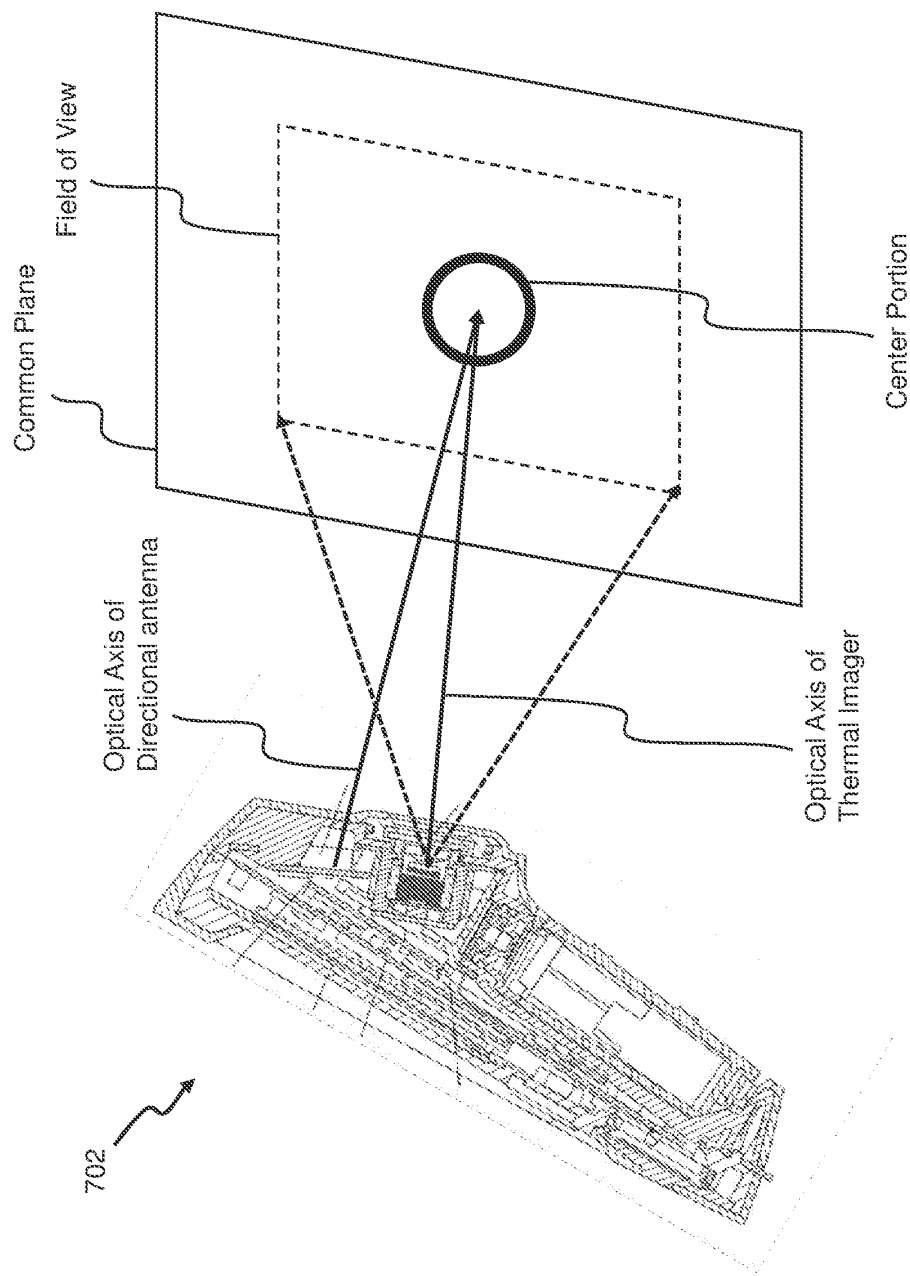


FIG. 7E