

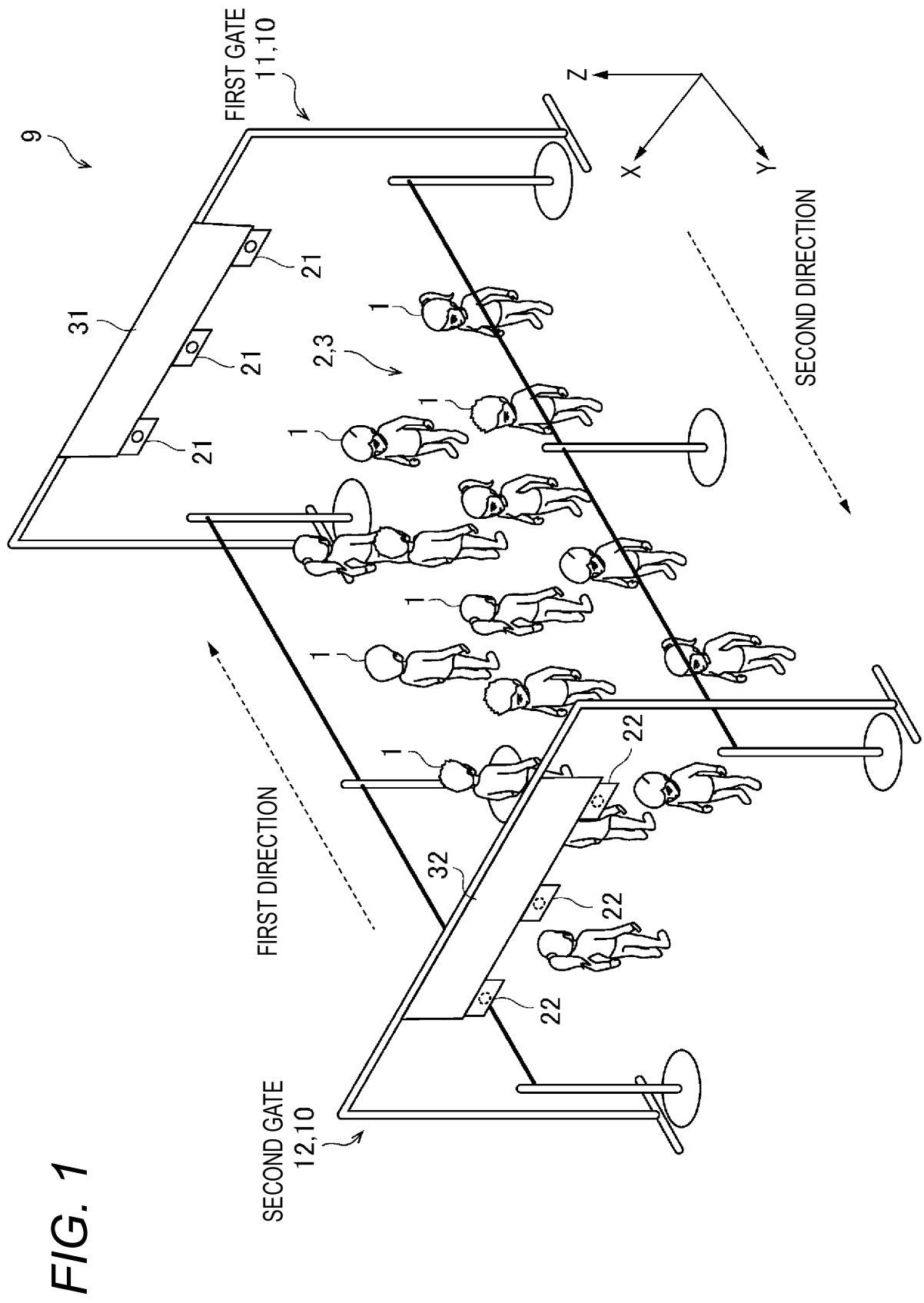


FIG. 2

31,32

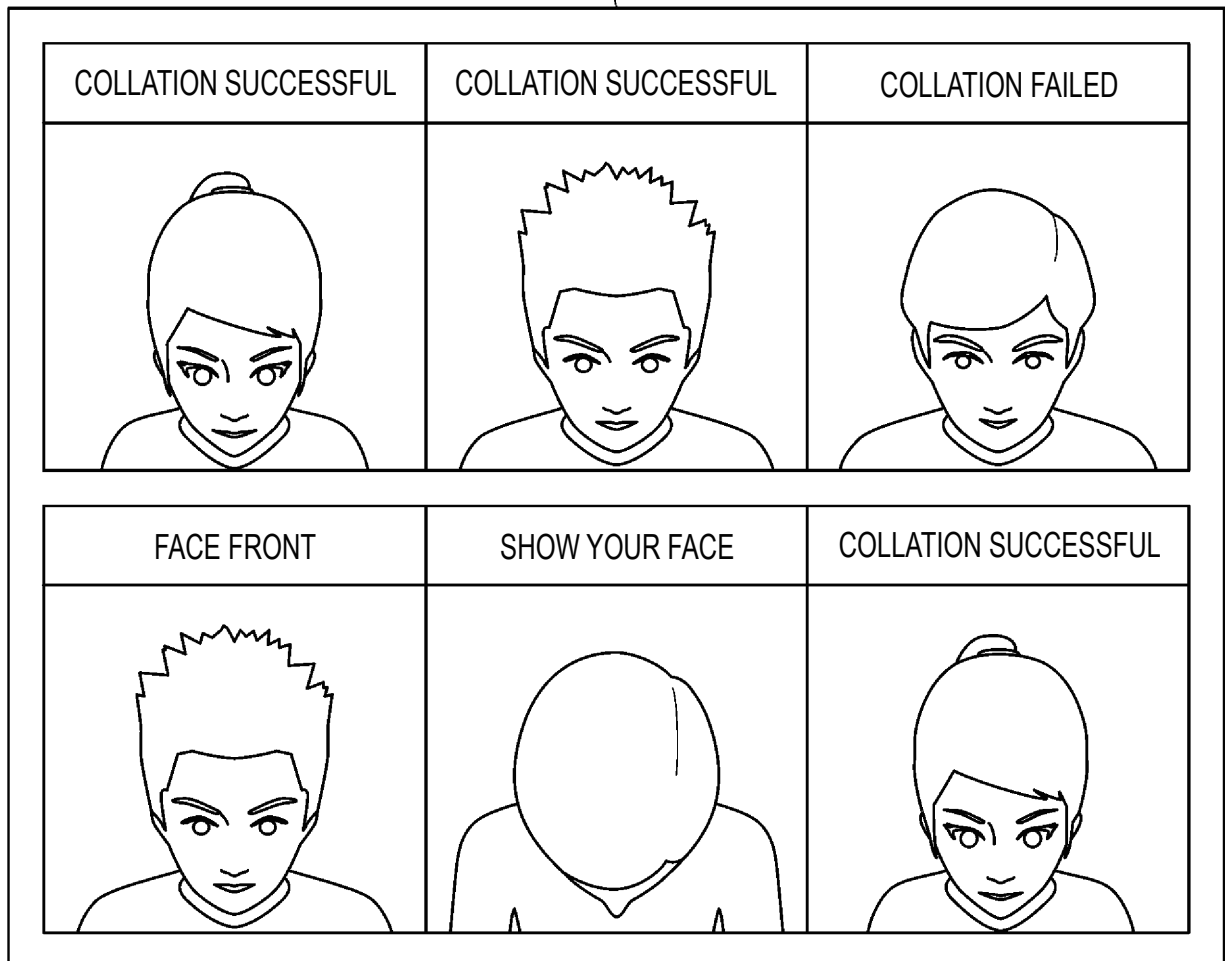


FIG. 3

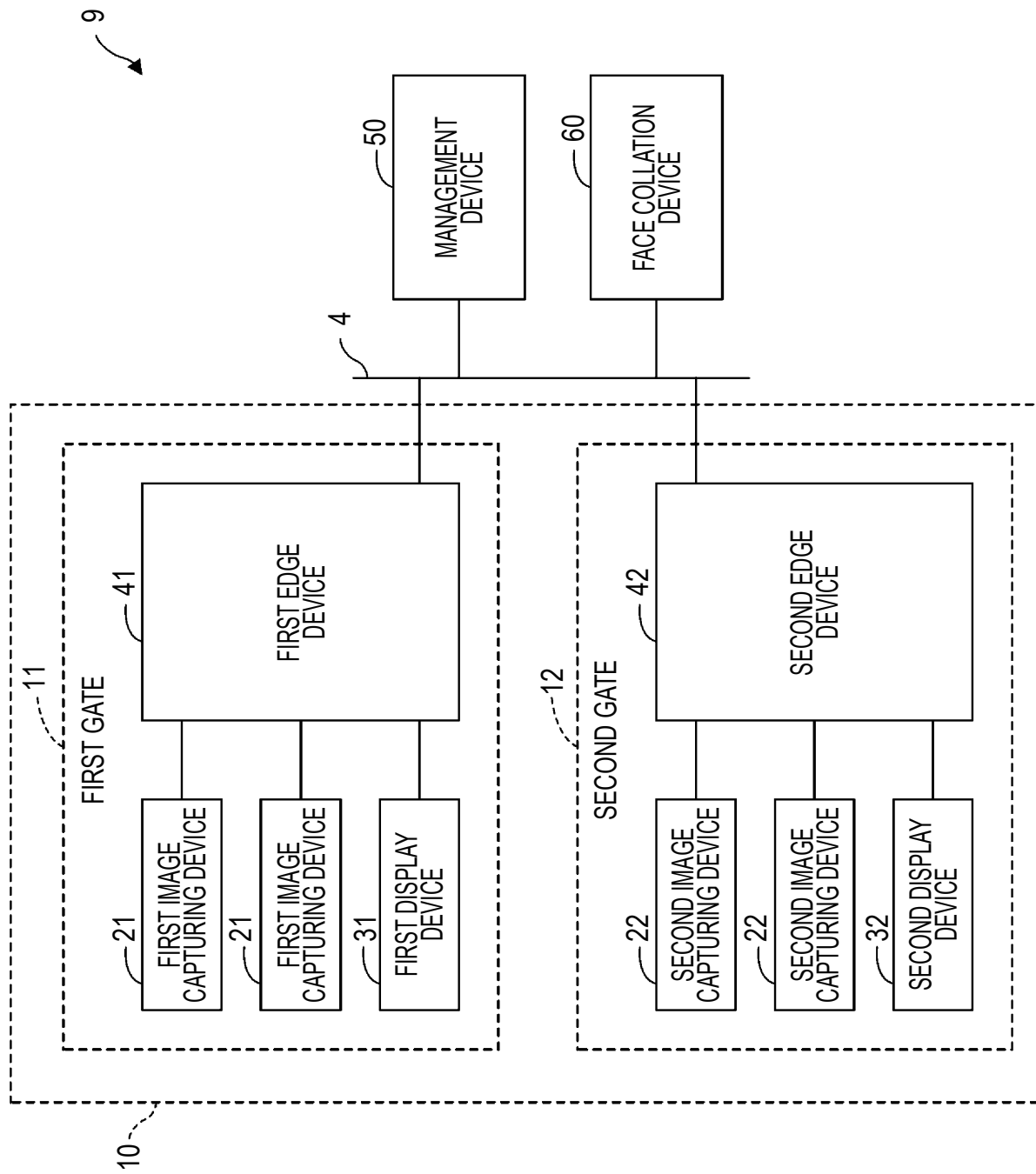


FIG. 4A

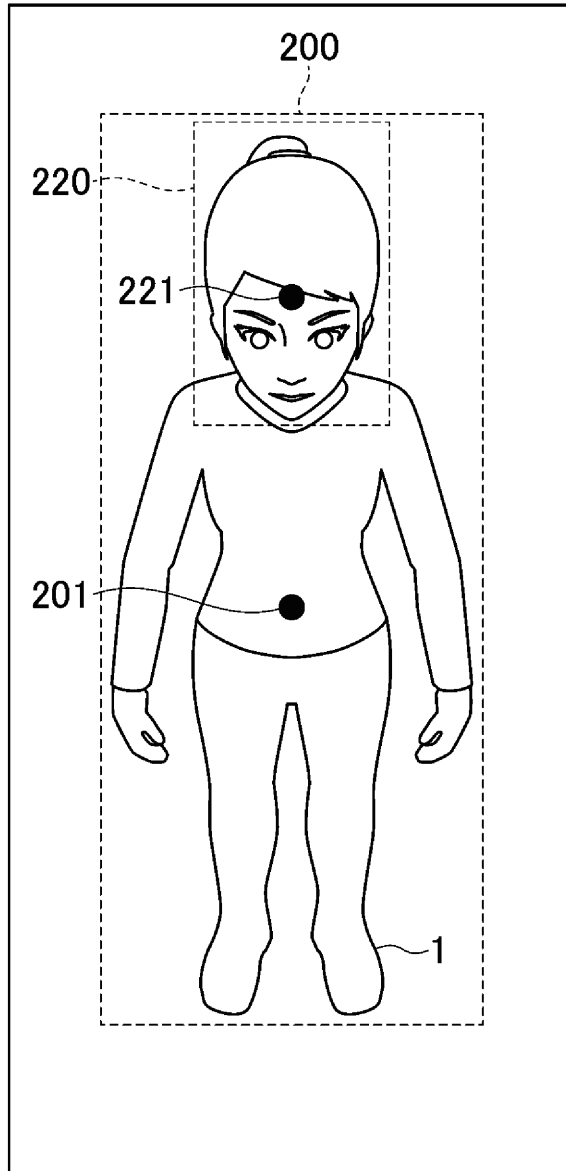


FIG. 4B

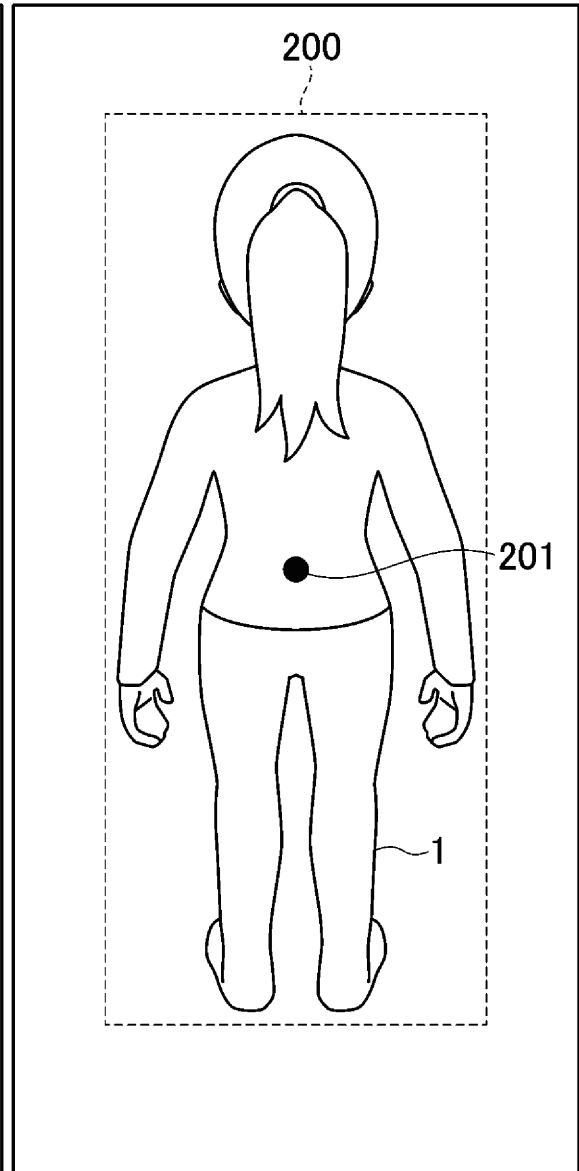


FIG. 5

DETECTION PROCESS IN FIRST EDGE DEVICE

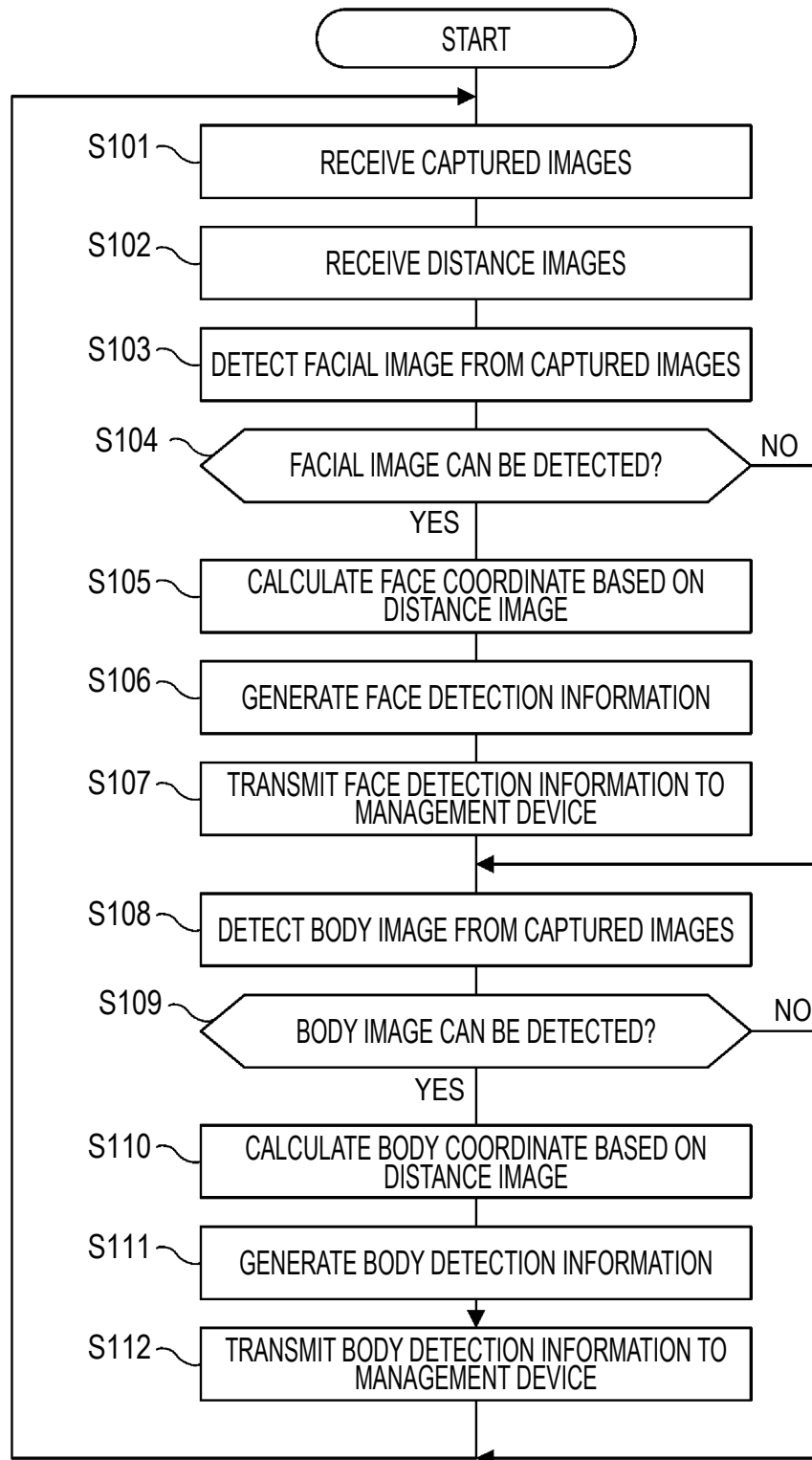


FIG. 6

PERSON INFORMATION
100

TRACKING ID	101
FIRST IMAGE CAPTURING TIME POINT	102
IMAGE UPDATE TIME POINT	103
BODY IMAGE	104
BODY IMAGE UPDATE TIME POINT	105
BODY COORDINATE	106
FACIAL IMAGE	107
FACIAL IMAGE UPDATE TIME POINT	108
FACE COORDINATE	109
FACE COLLATION ID	110
COLLATION STATE	111
MOVEMENT DIRECTION	112

FIG. 7

OVERALL PROCESS IN MANAGEMENT DEVICE

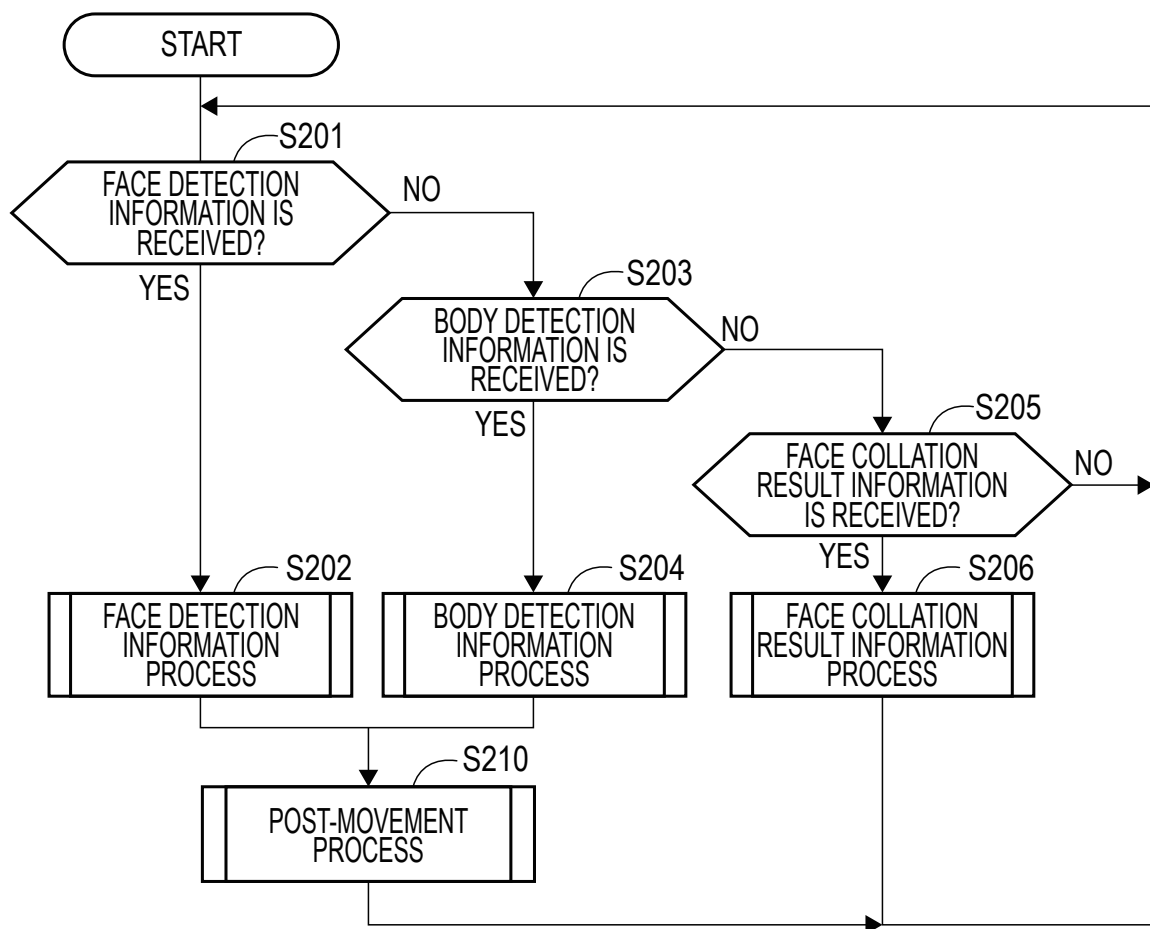


FIG. 8

FACE DETECTION INFORMATION PROCESS IN MANAGEMENT DEVICE

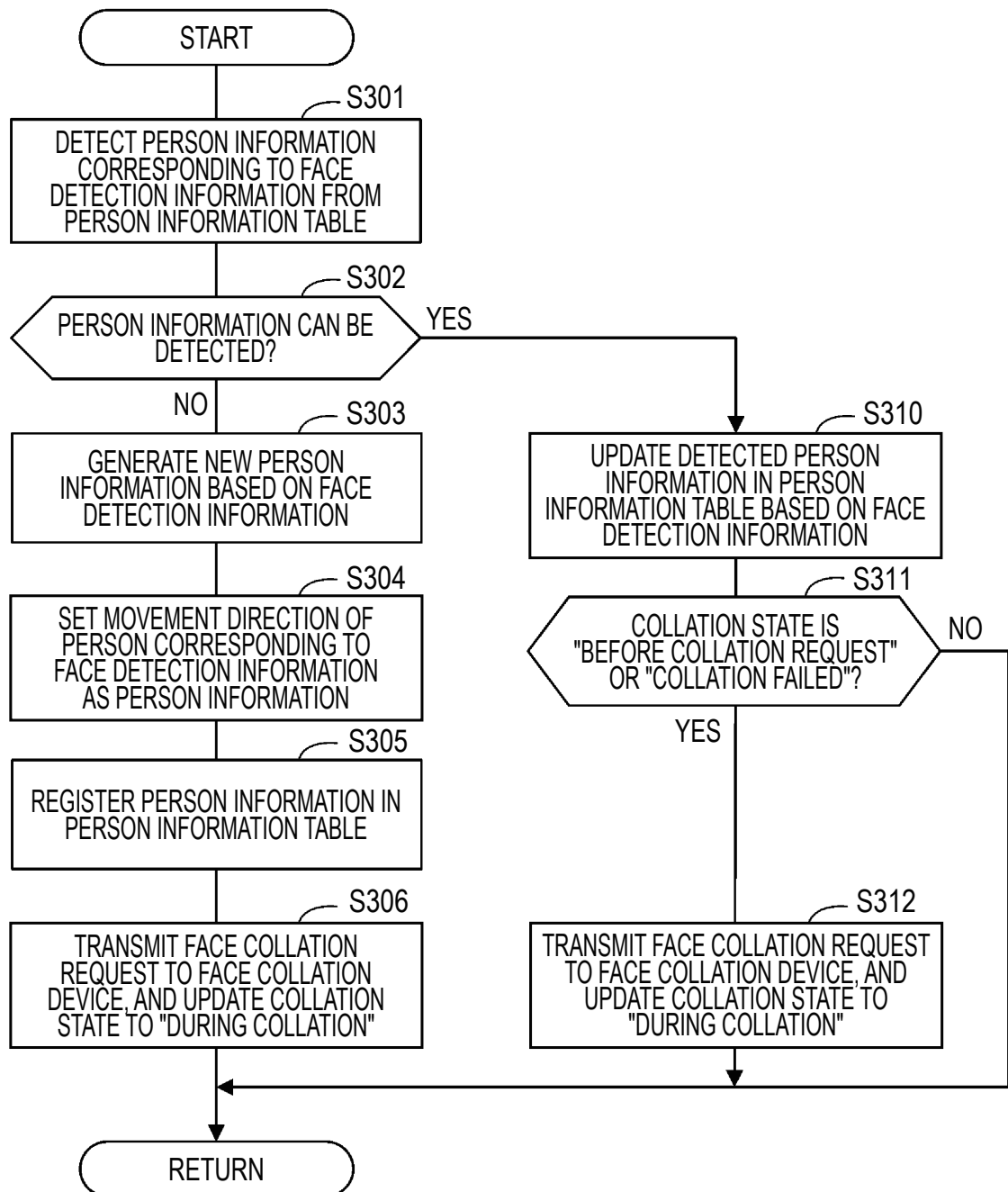


FIG. 9

BODY INFORMATION DETECTION PROCESS IN MANAGEMENT DEVICE

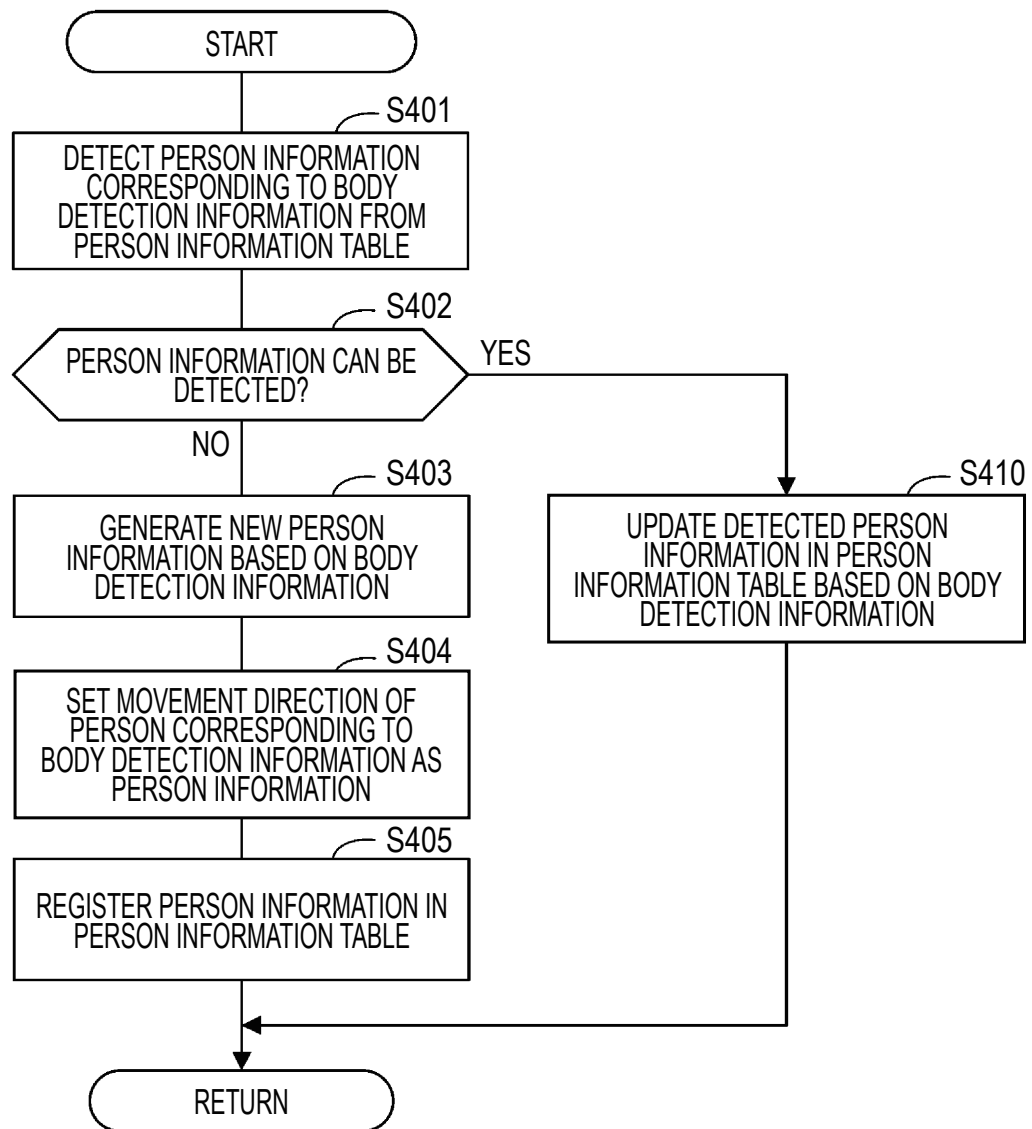


FIG. 10

POST-MOVEMENT PROCESS IN MANAGEMENT DEVICE

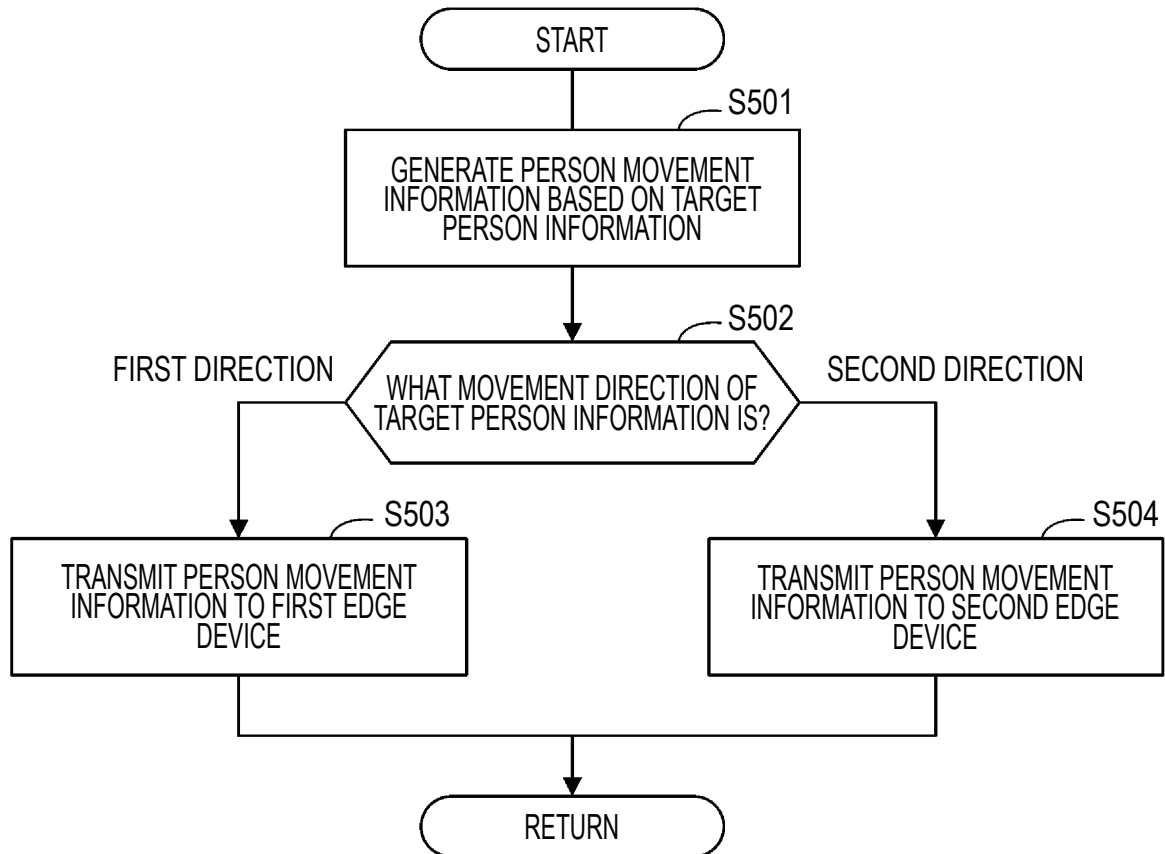


FIG. 11

FACE COLLATION RESULT INFORMATION PROCESS IN MANAGEMENT DEVICE

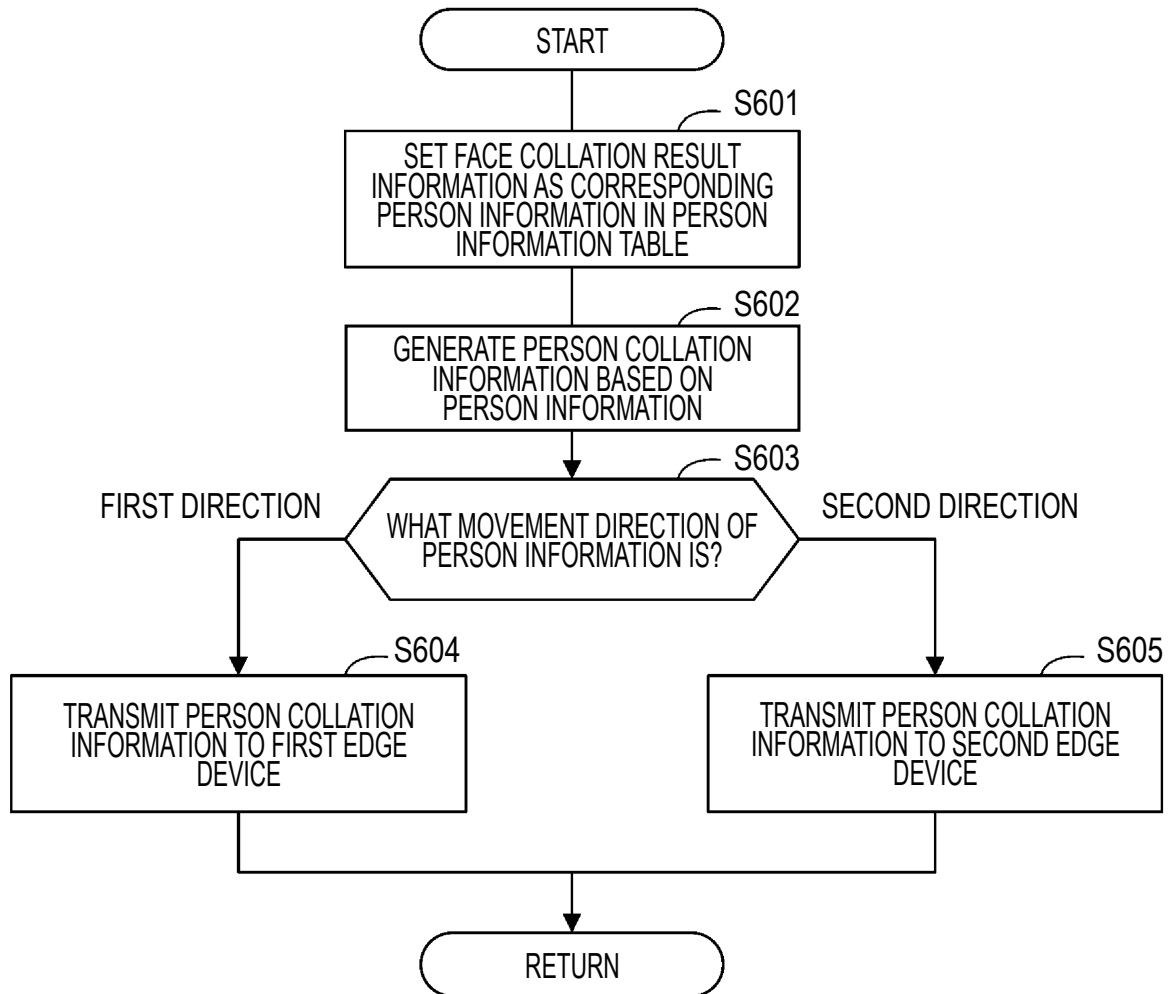


FIG. 12

DISPLAY PROCESS IN FIRST EDGE DEVICE

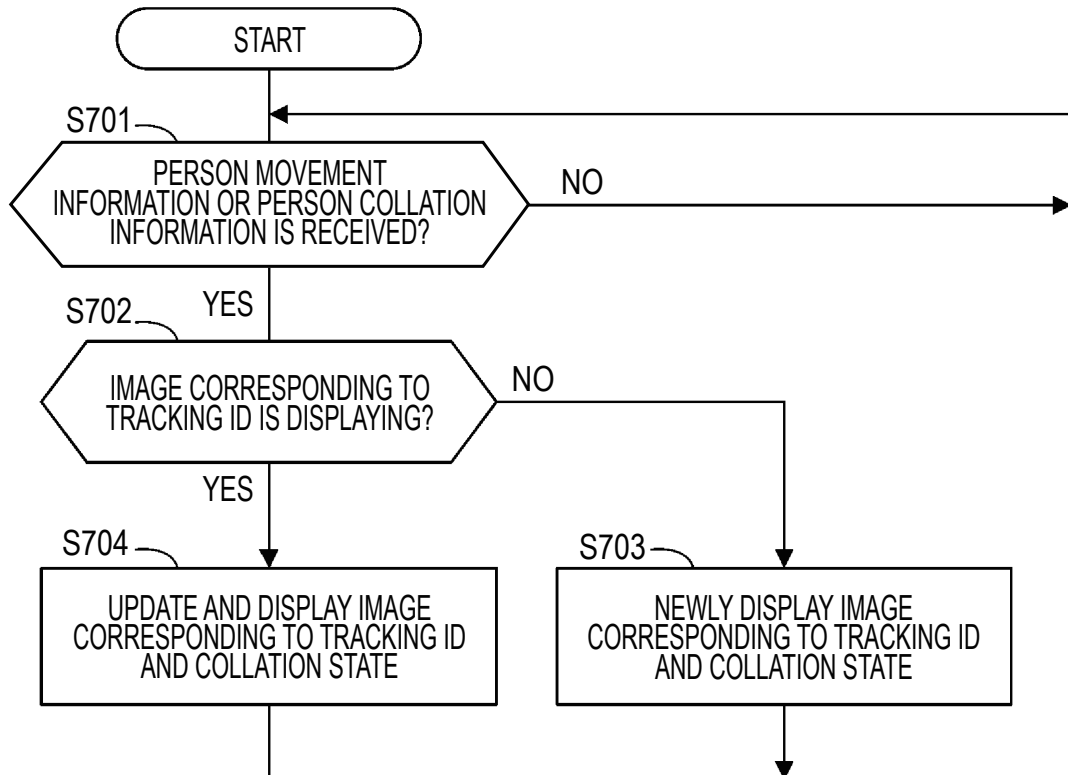


FIG. 13

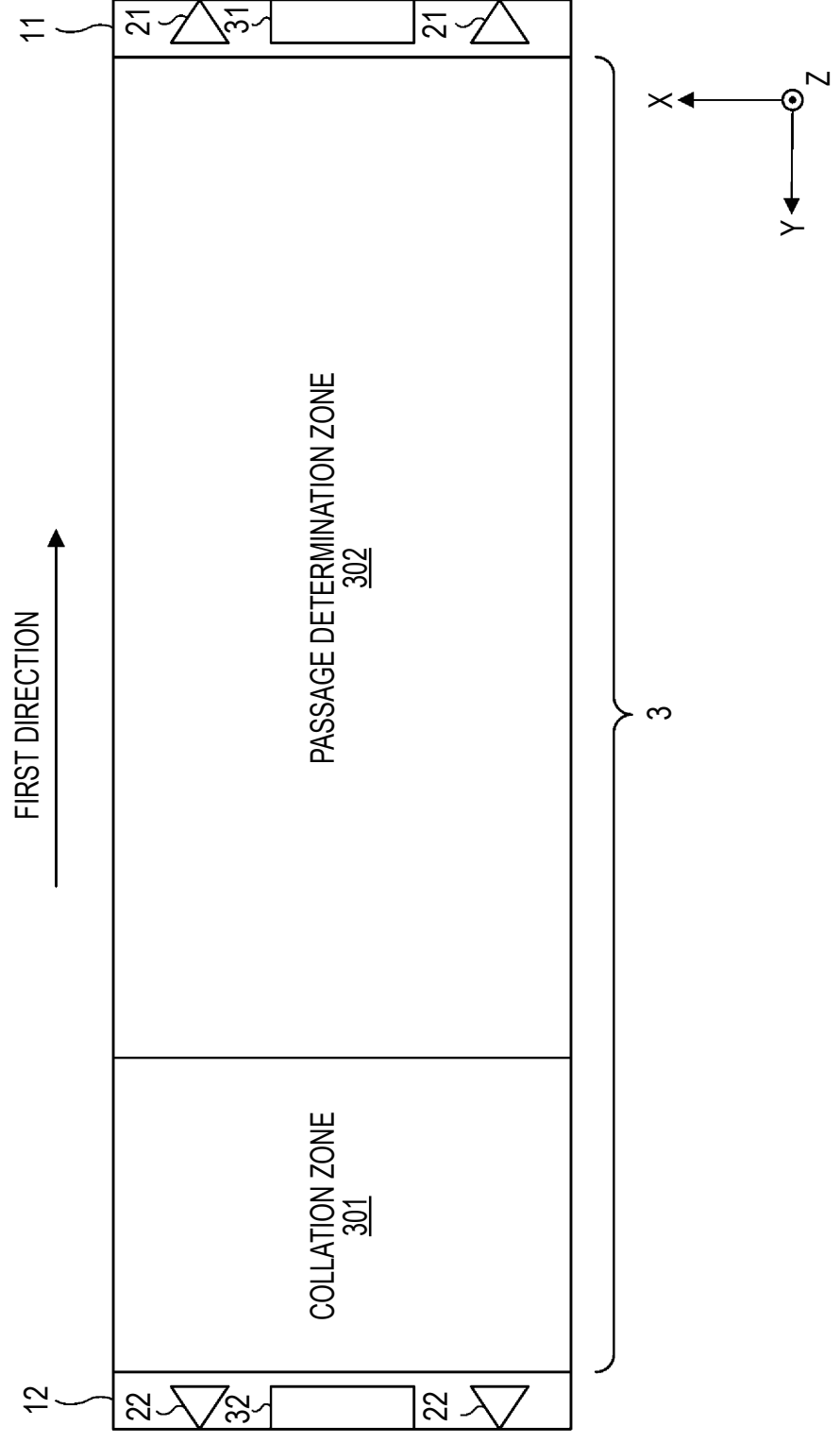


FIG. 14

ZONE TYPE	FACIAL IMAGE	PATTERN	COLLATION STATE	DISPLAY MESSAGE	DISPLAY IMAGE	OUTPUT SOUND
OUTSIDE OF ZONES	-		-	-	-	-
COLLATION ZONE	PRESENCE	A0	DURING COLLATION	DURING COLLATION	FACIAL IMAGE	-
		A1	COLLATION SUCCESSFUL	COLLATION SUCCESSFUL	FACIAL IMAGE	COLLATION SUCCESS SOUND
		A2	COLLATION FAILED	COLLATION FAILED	FACIAL IMAGE	COLLATION FAILURE SOUND
		A3	-	WARNING	BODY IMAGE	WARNING SOUND
PASSAGE DETERMINATION ZONE	PRESENCE	A4	DURING COLLATION	DURING COLLATION	FACIAL IMAGE	-
		A5	COLLATION SUCCESSFUL	PASSING	FACIAL IMAGE	PASSING SOUND
		A6	COLLATION FAILED	UNAUTHORIZED PASSING	FACIAL IMAGE	UNAUTHORIZED PASSING SOUND
		A7	-	UNAUTHORIZED PASSING	BODY IMAGE	UNAUTHORIZED PASSING SOUND

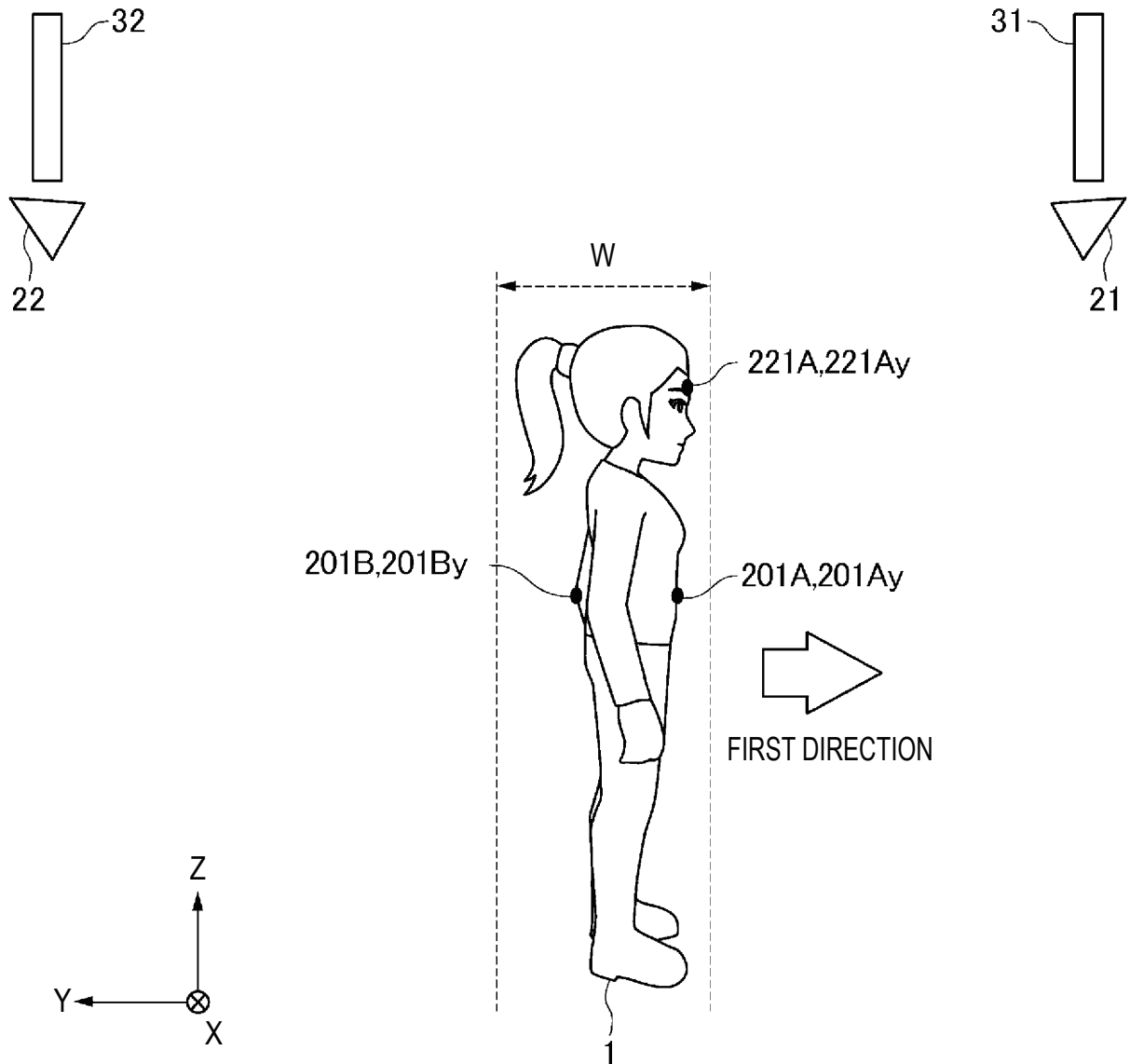
FIG. 15A

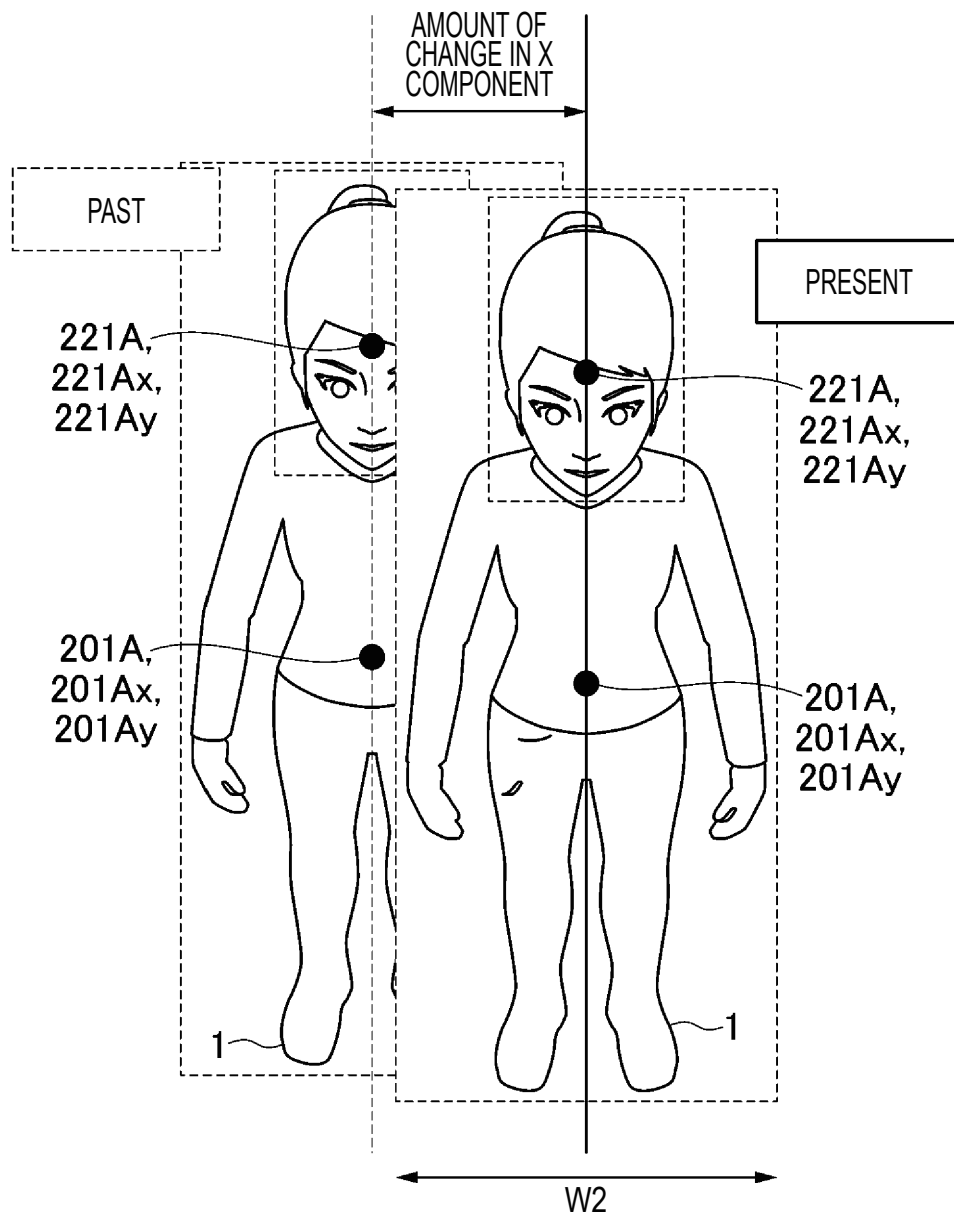
FIG. 15B

FIG. 16

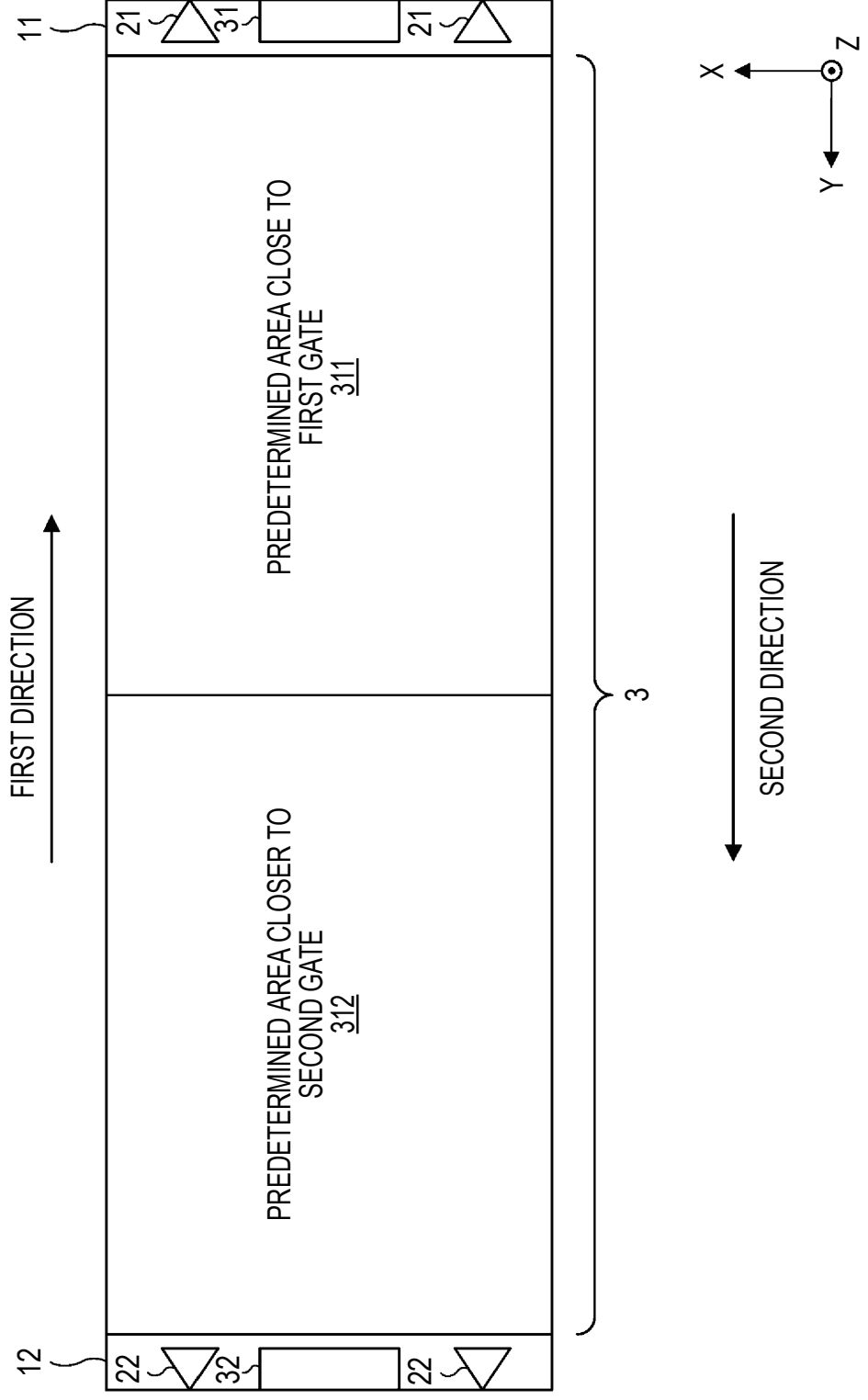


FIG. 17

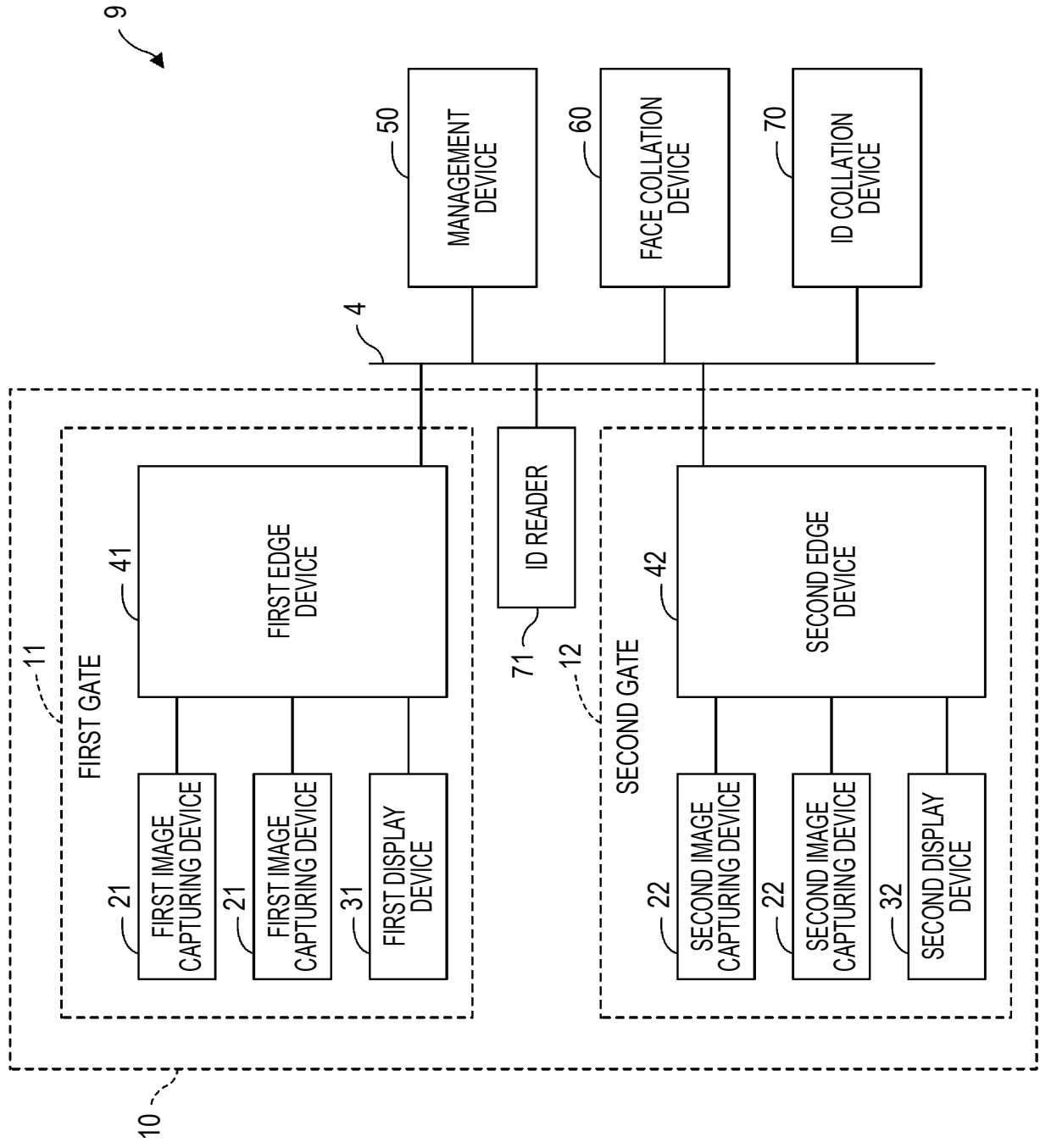


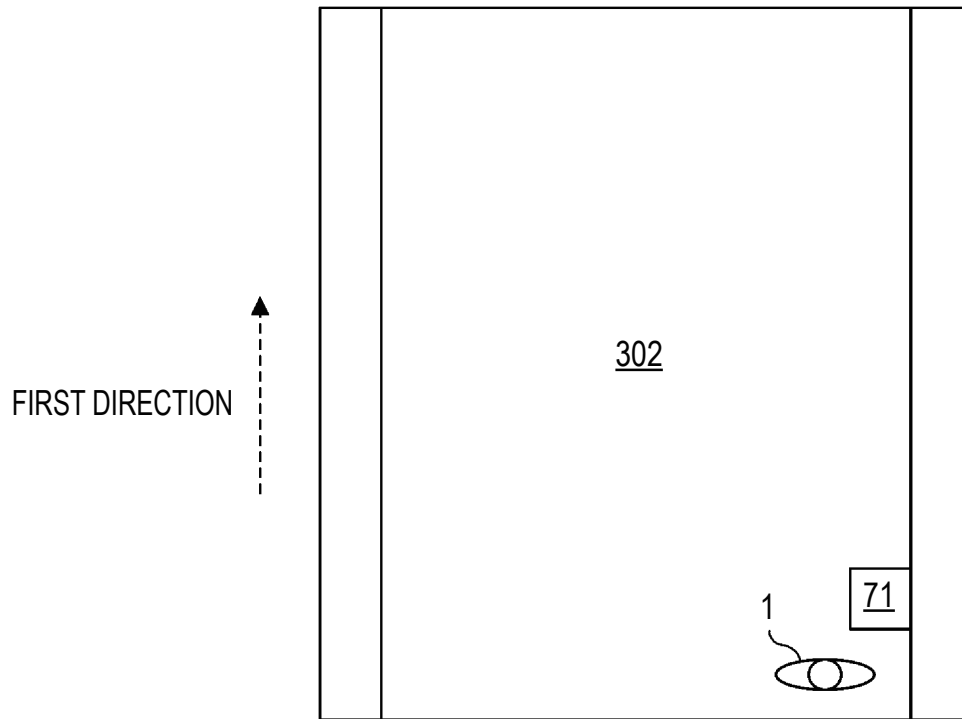
FIG. 18

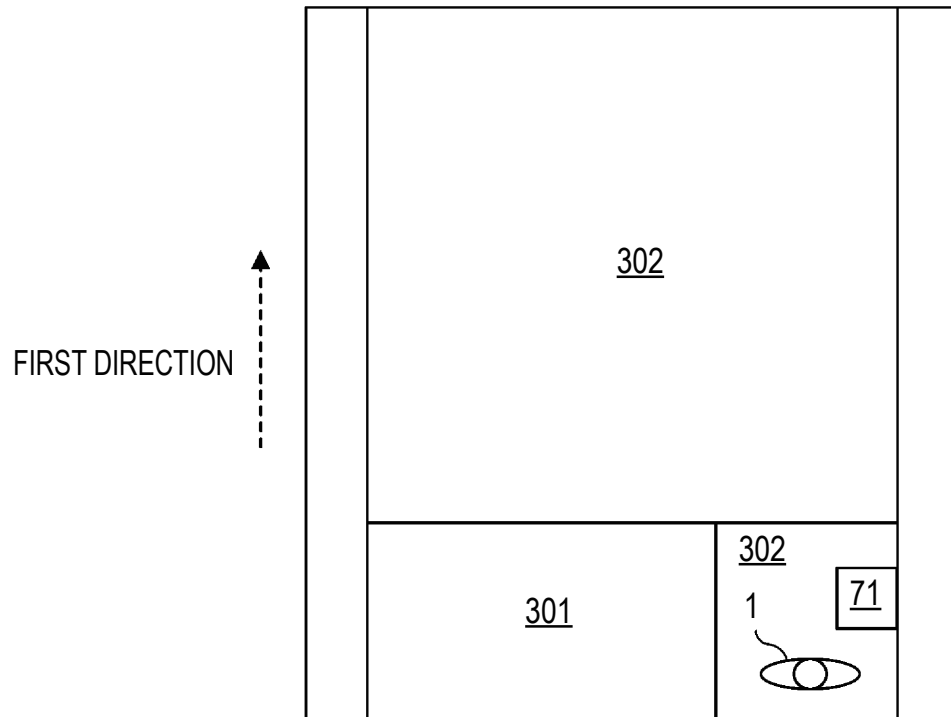
FIG. 19

FIG. 20

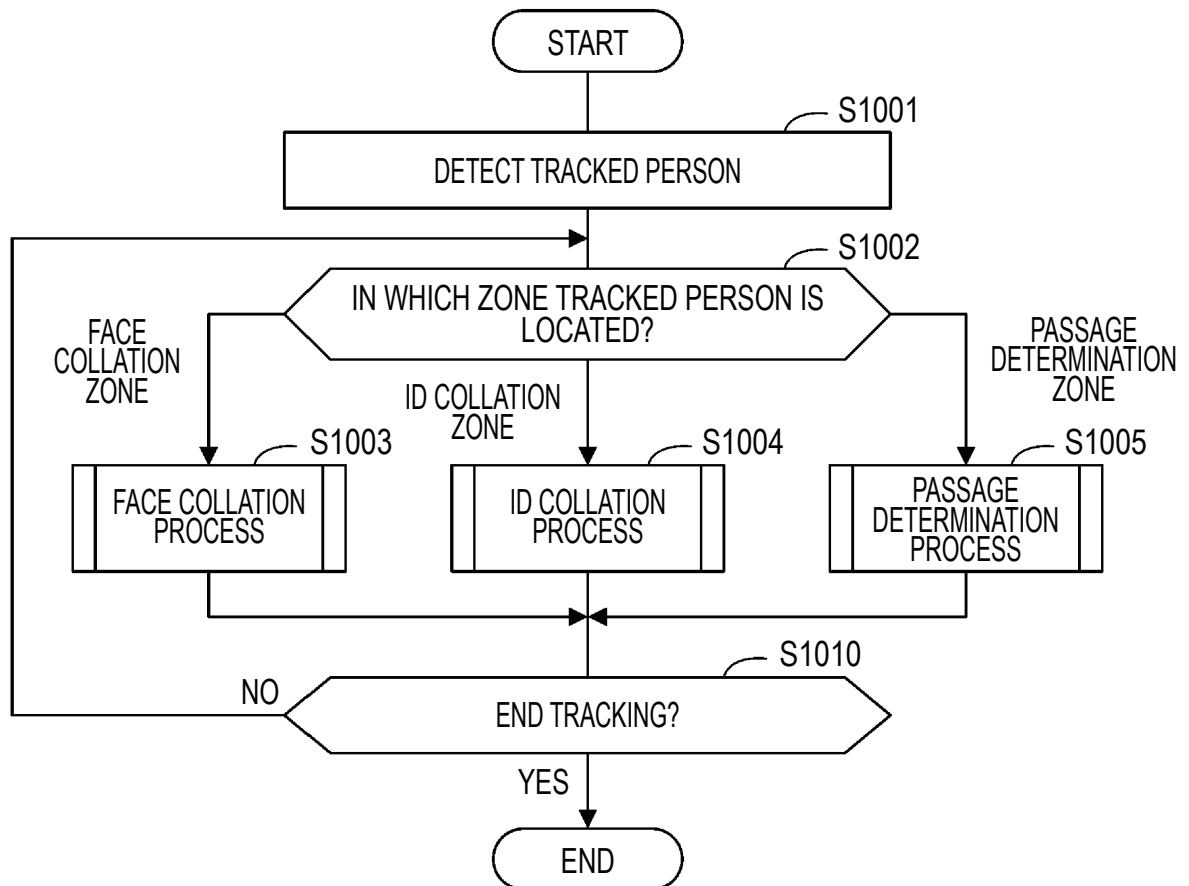


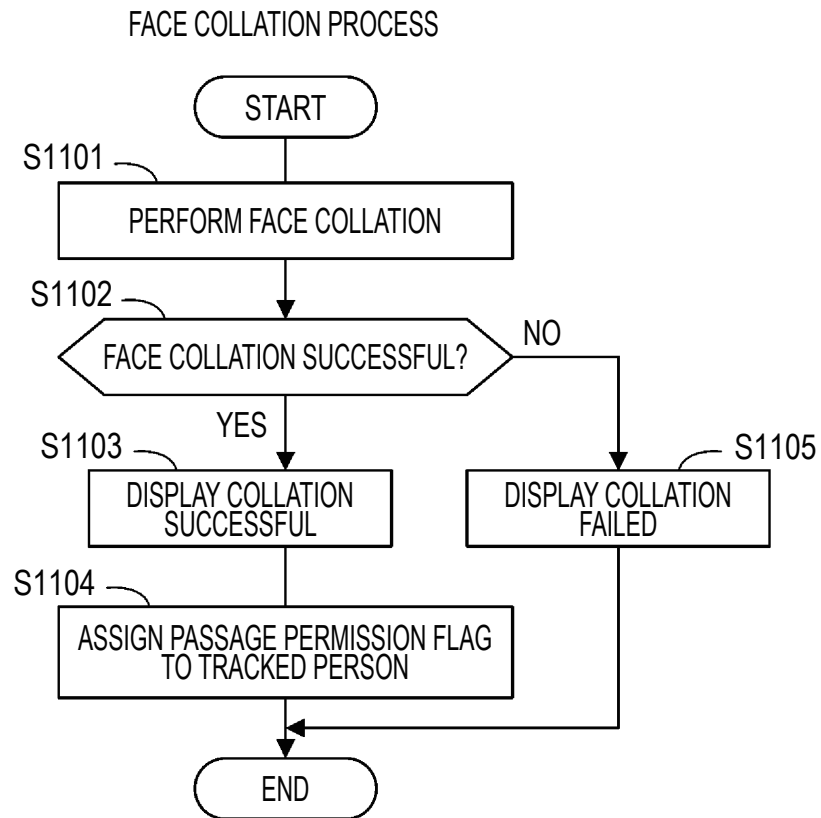
FIG. 21

FIG. 22

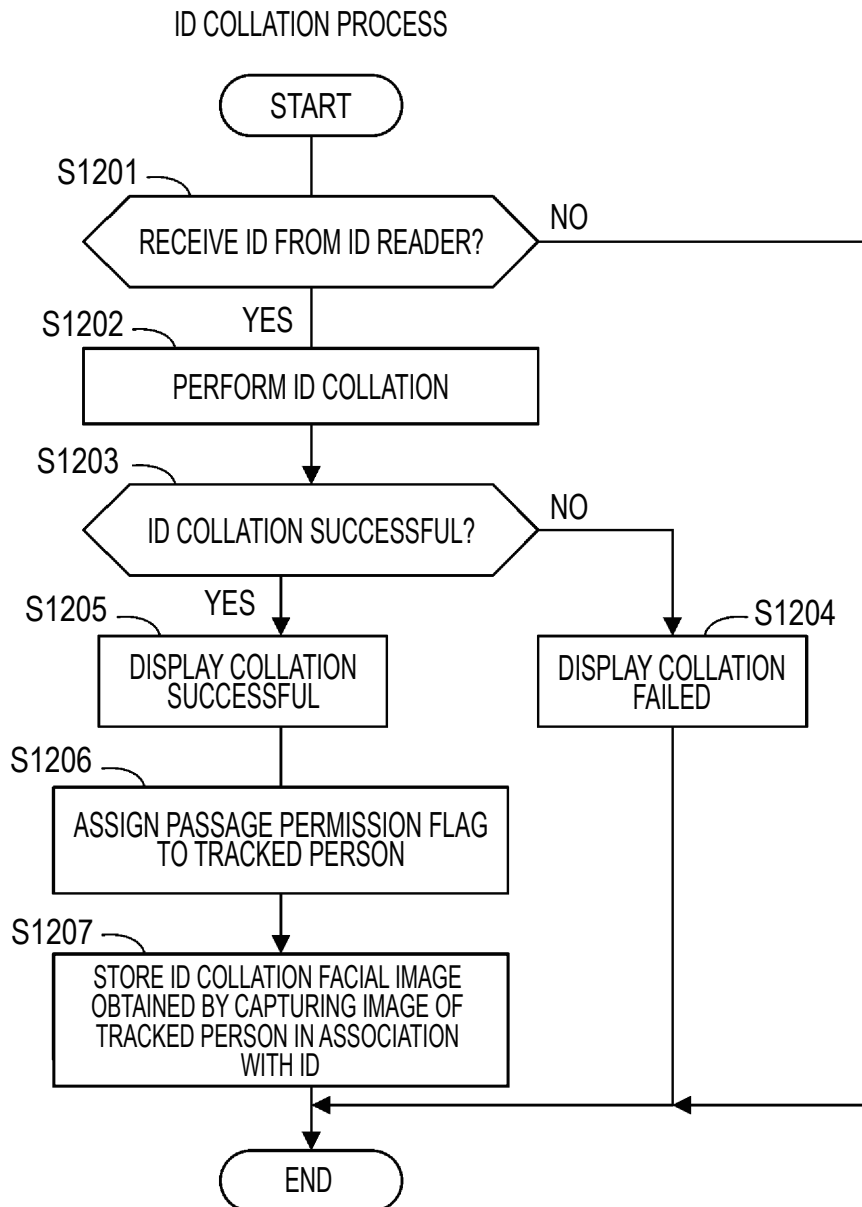


FIG. 23

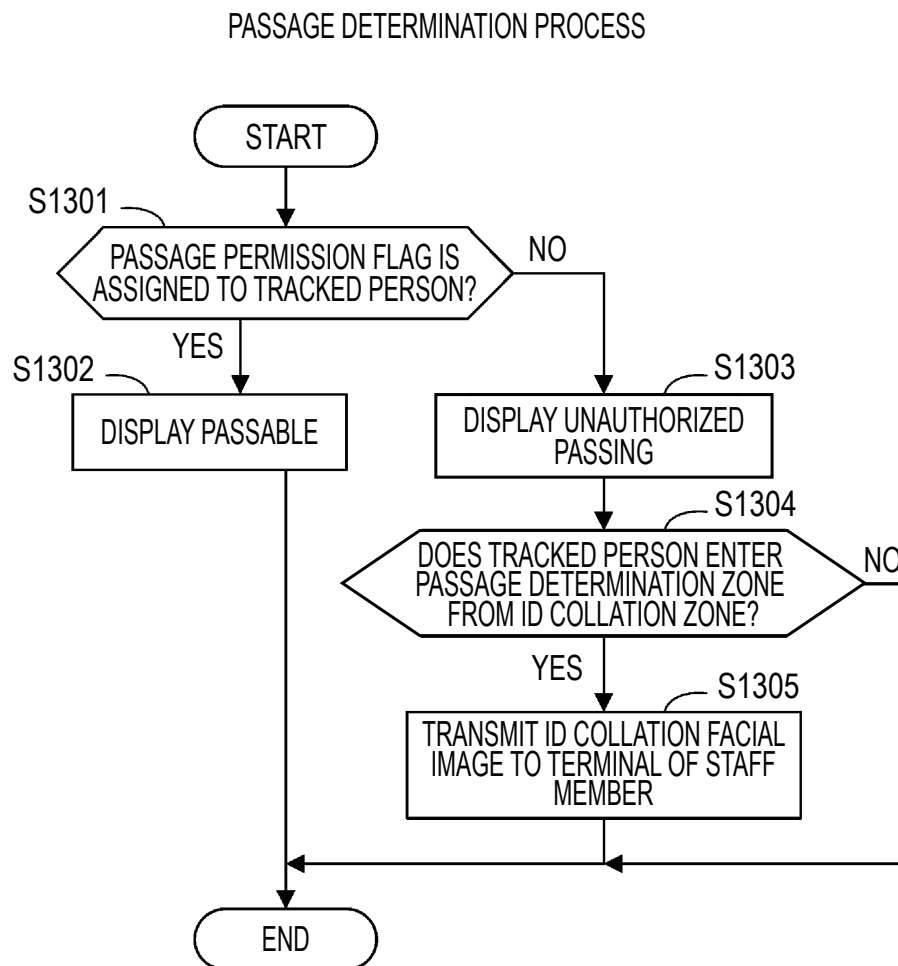


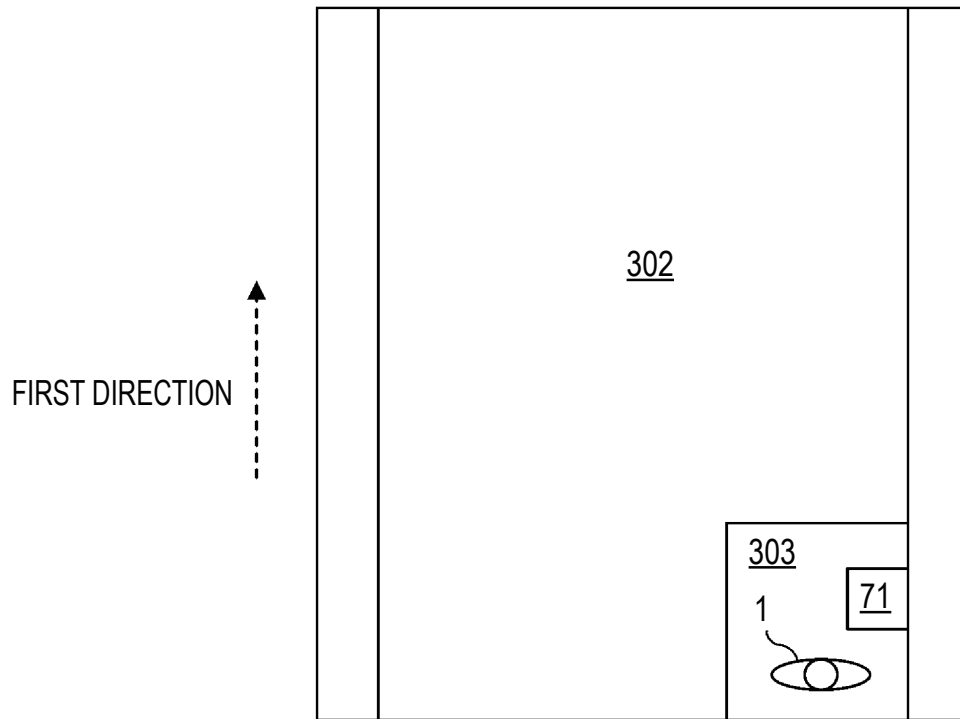
FIG. 24

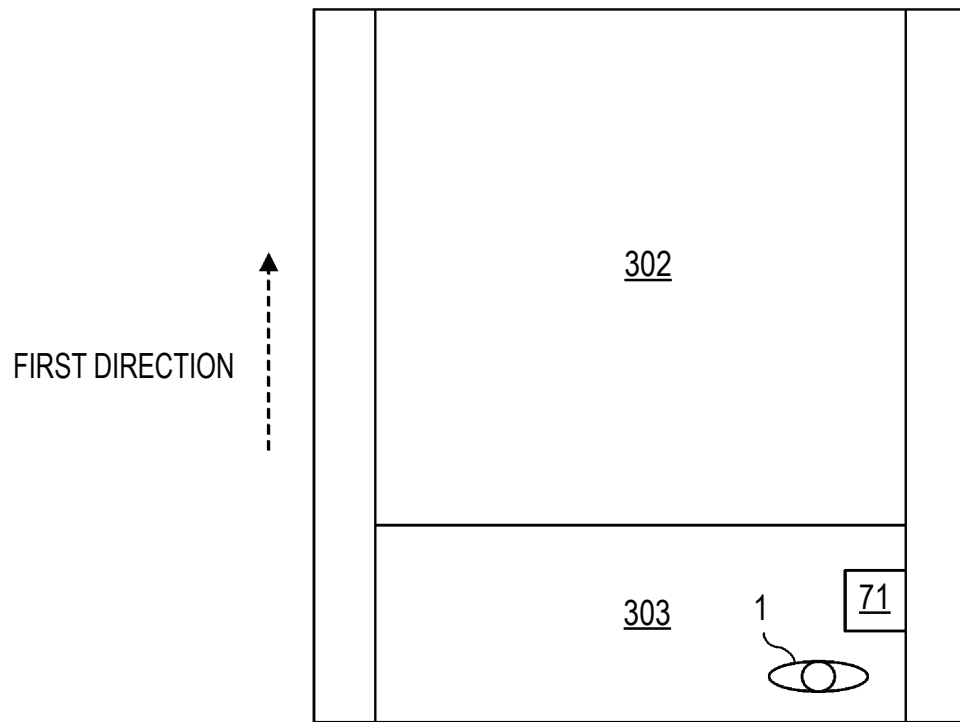
FIG. 25

FIG. 26

PASSAGE DETERMINATION PROCESS

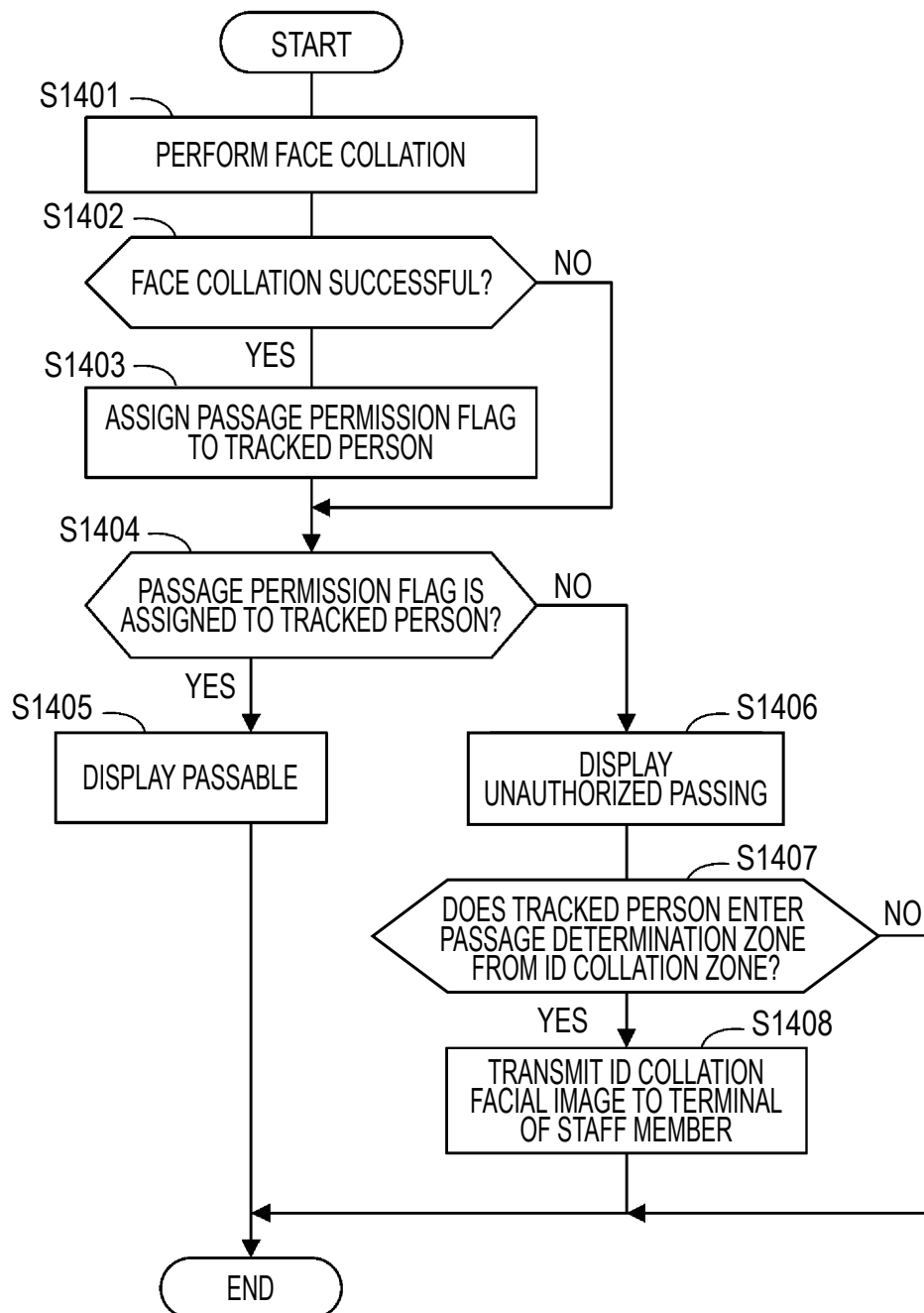


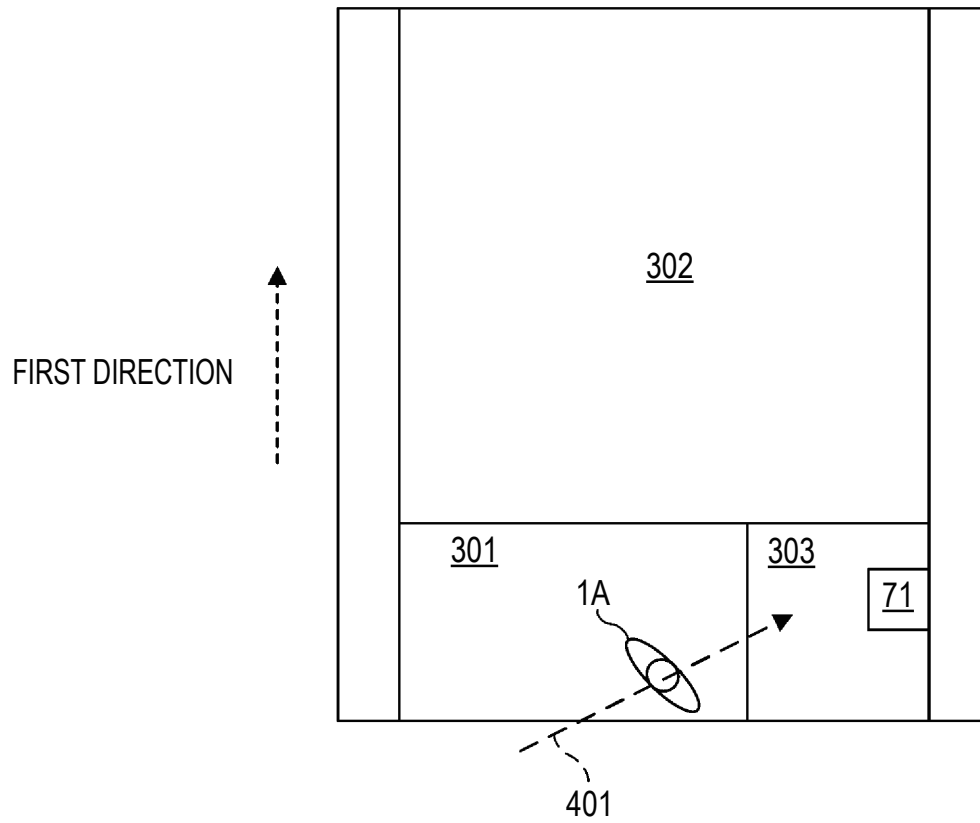
FIG. 27

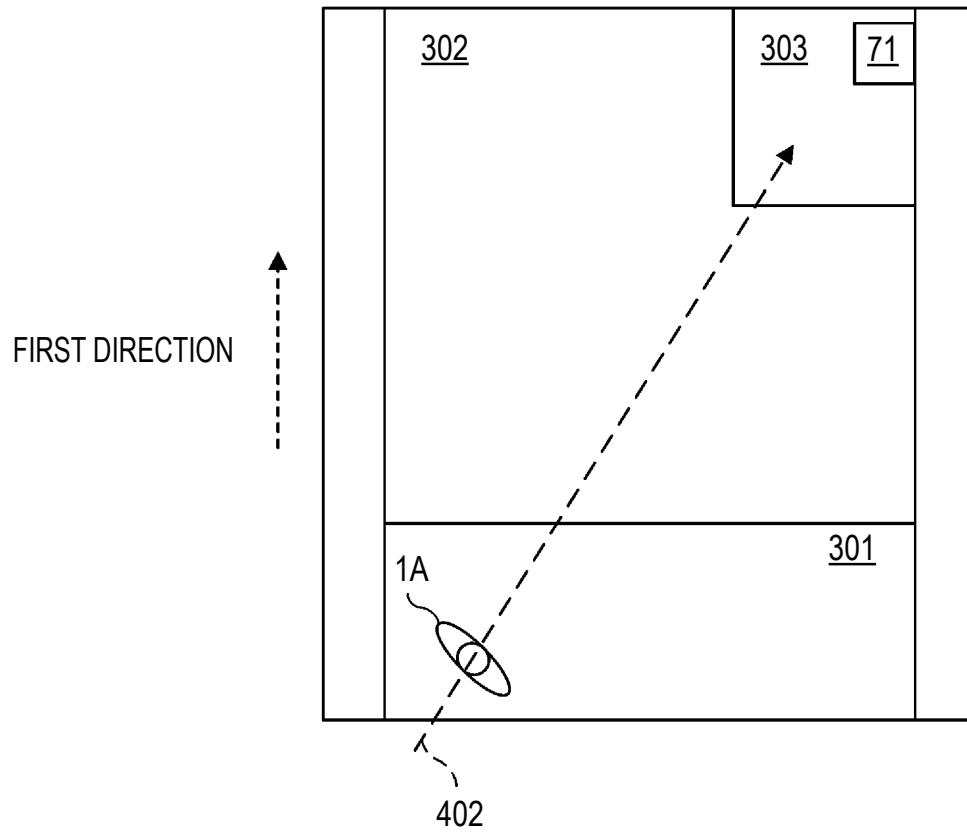
FIG. 28

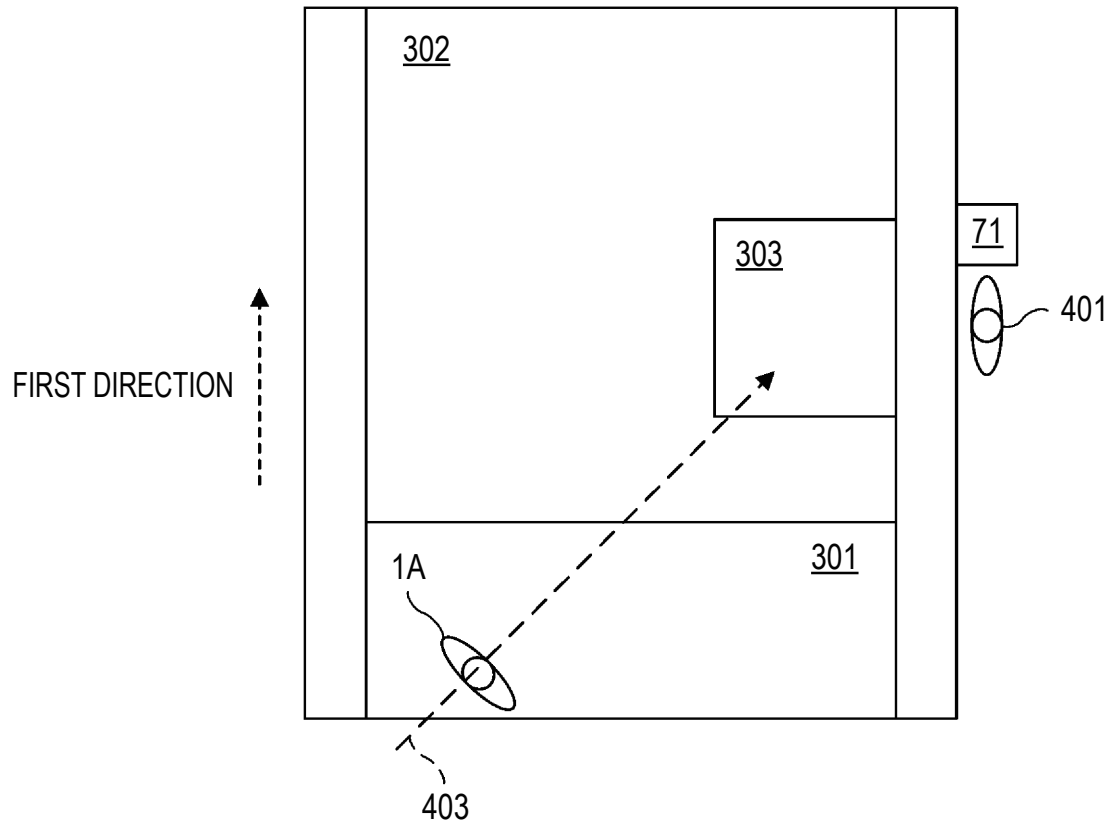
FIG. 29

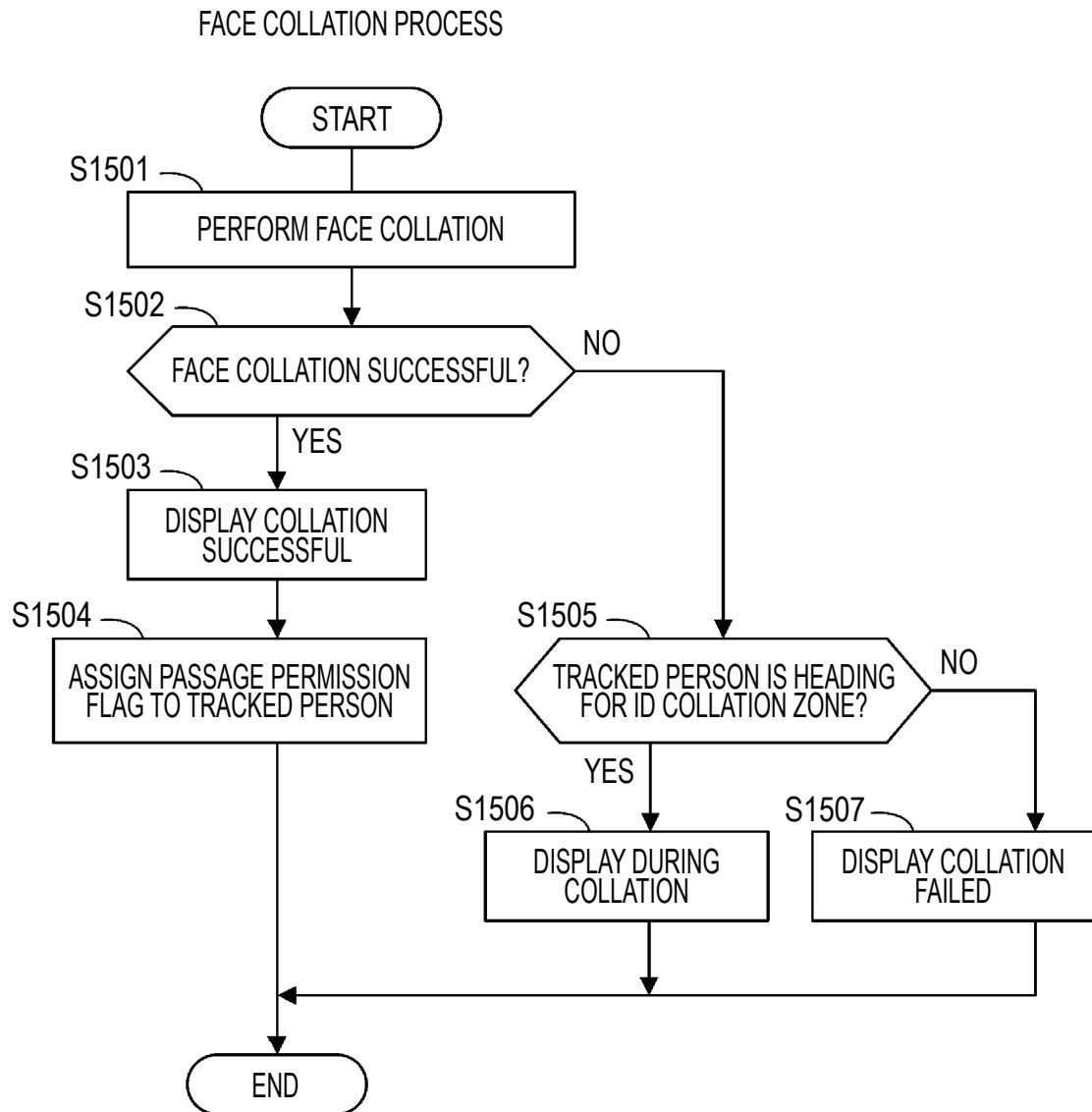
FIG. 30

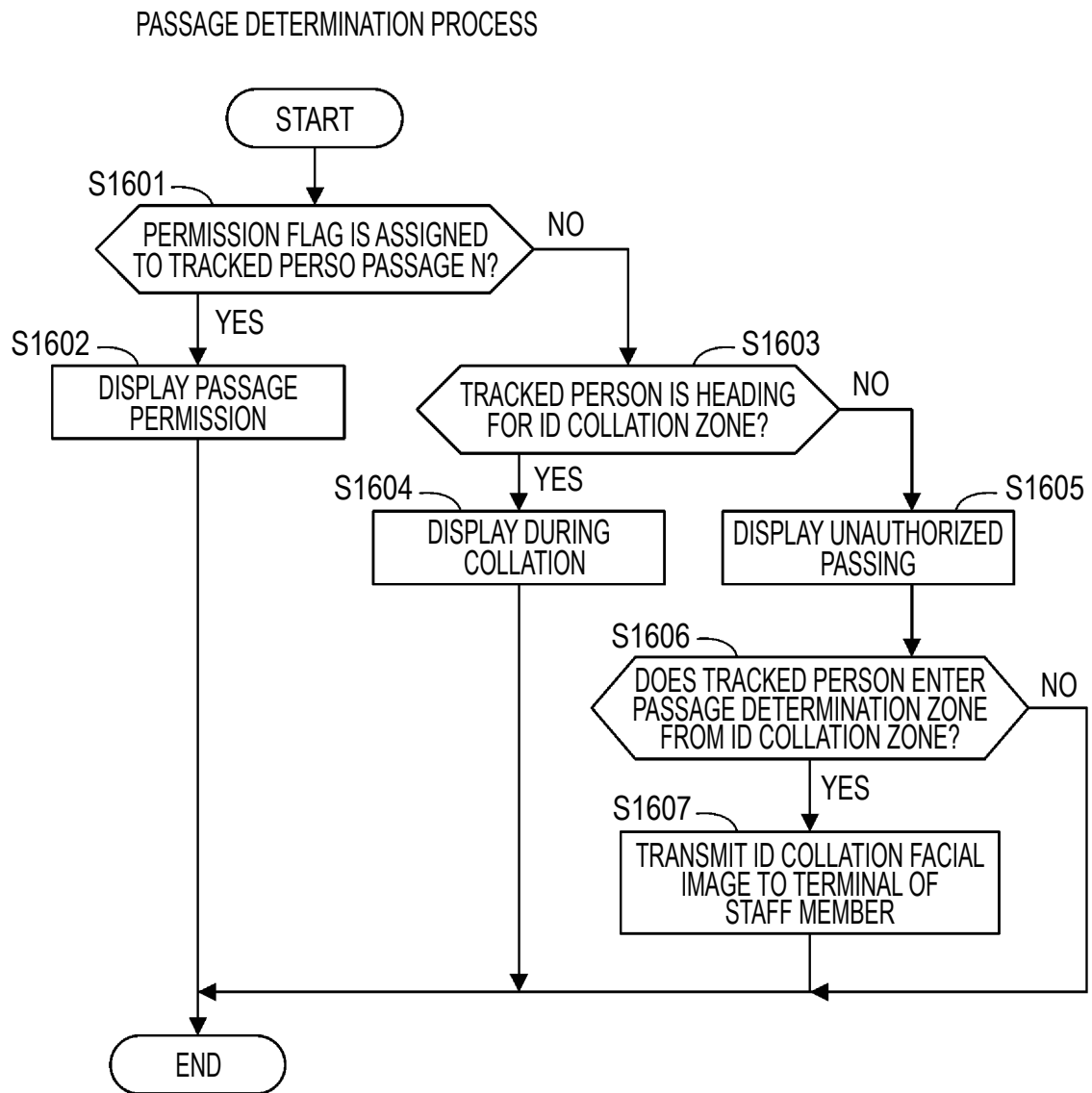
FIG. 31

FIG. 32

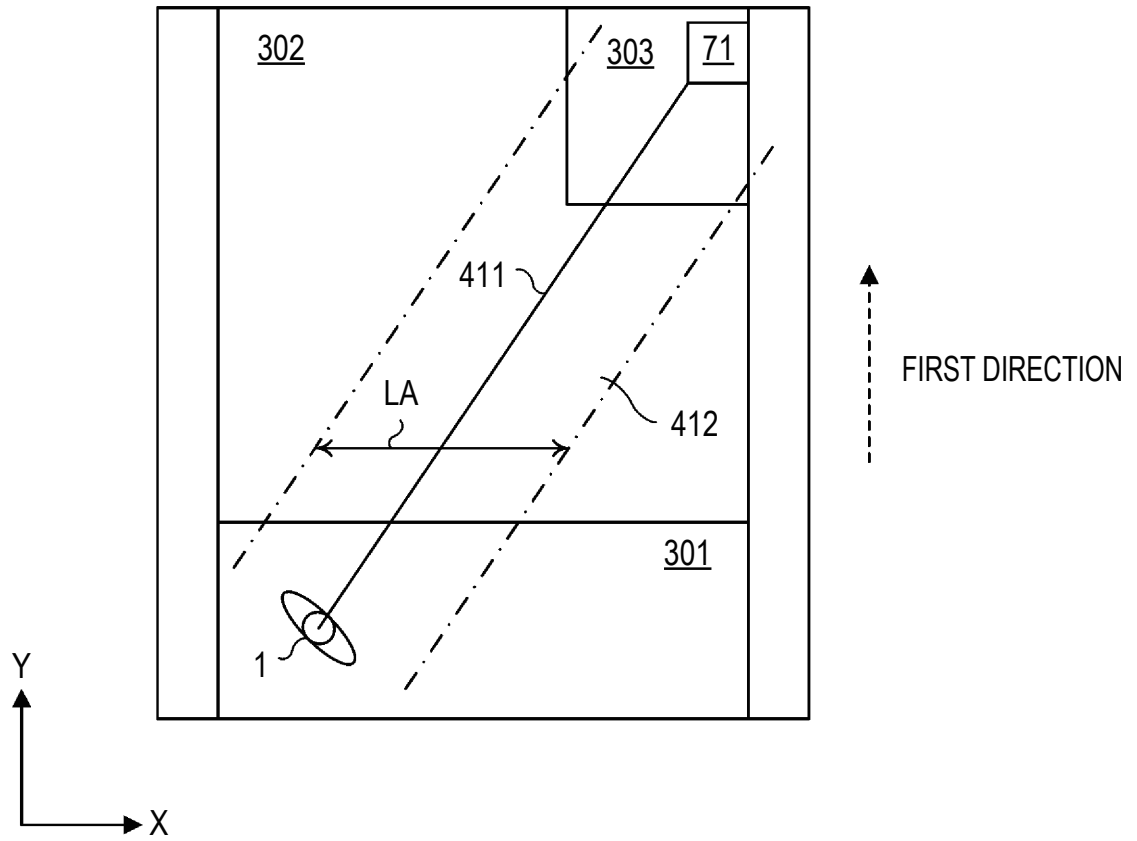
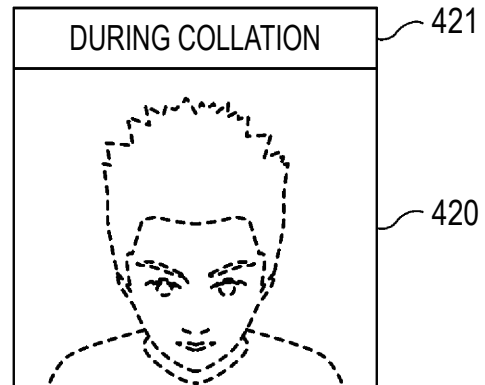
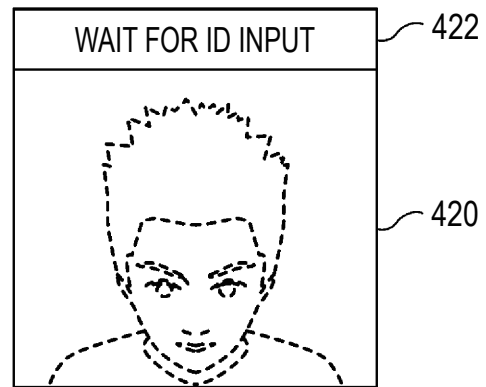


FIG. 33A

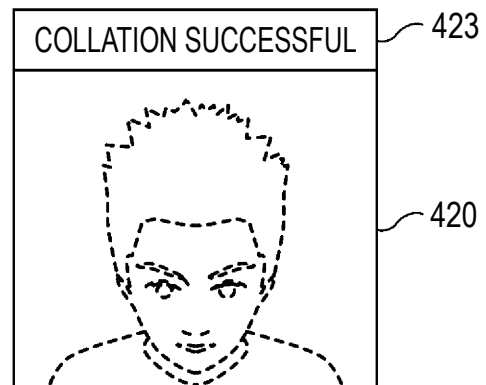
WHEN ESTIMATING THAT
PERSON IS HEADING FOR ID
COLLATION ZONE

**FIG. 33B**

WHEN PERSON IS LOCATED IN ID
COLLATION ZONE AND ID
COLLATION HAS NOT BEEN
PERFORMED

**FIG. 33C**

WHEN PERSON IS LOCATED IN ID
COLLATION ZONE AND HAS
SUCCEEDED IN ID COLLATION

**FIG. 33D**

WHEN PERSON HAS SUCCEEDED
IN ID COLLATION AND
IS LOCATED IN PASSAGE
DETERMINATION ZONE

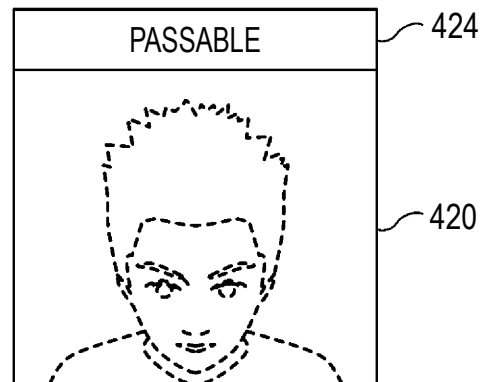


FIG. 34

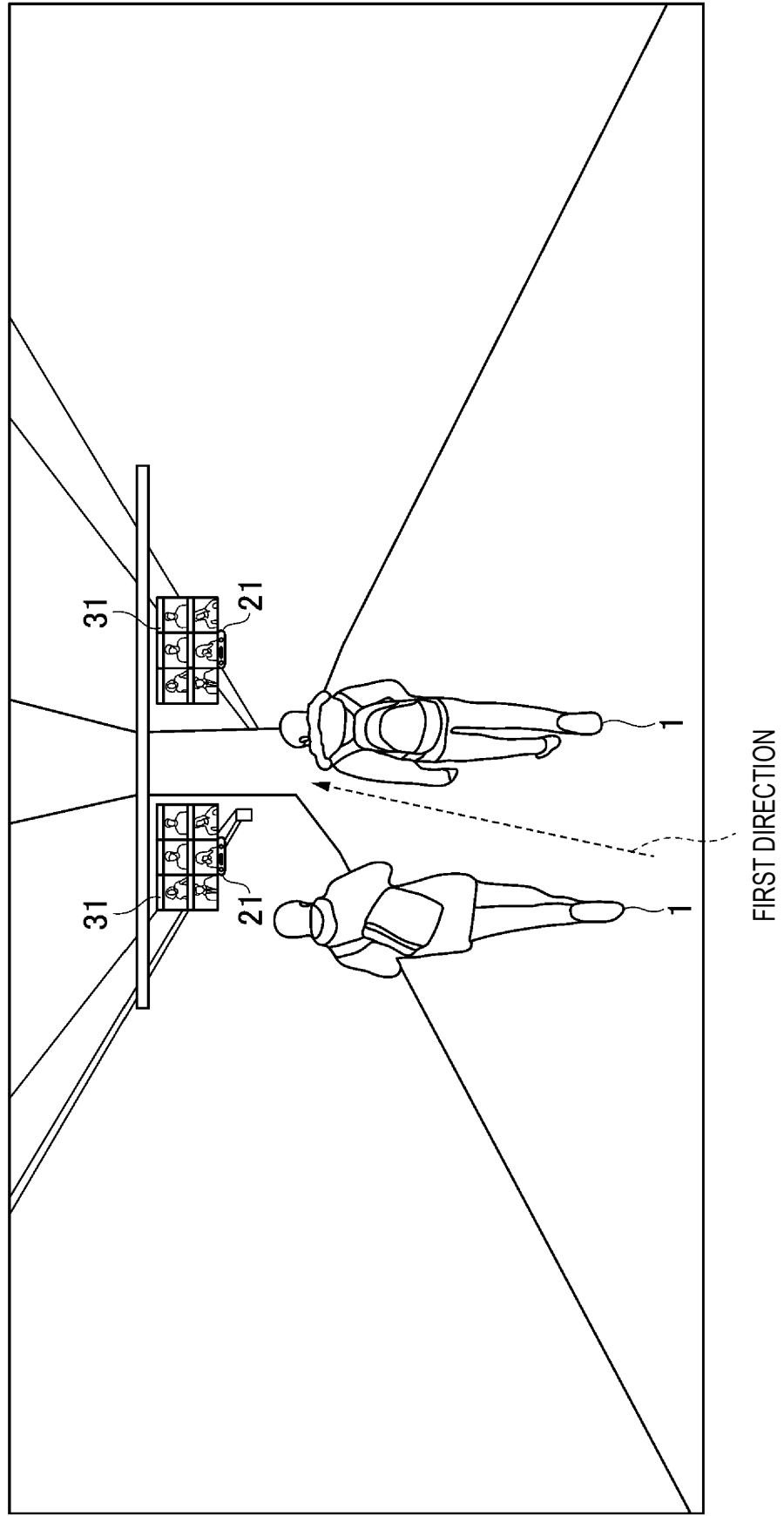


FIG. 35

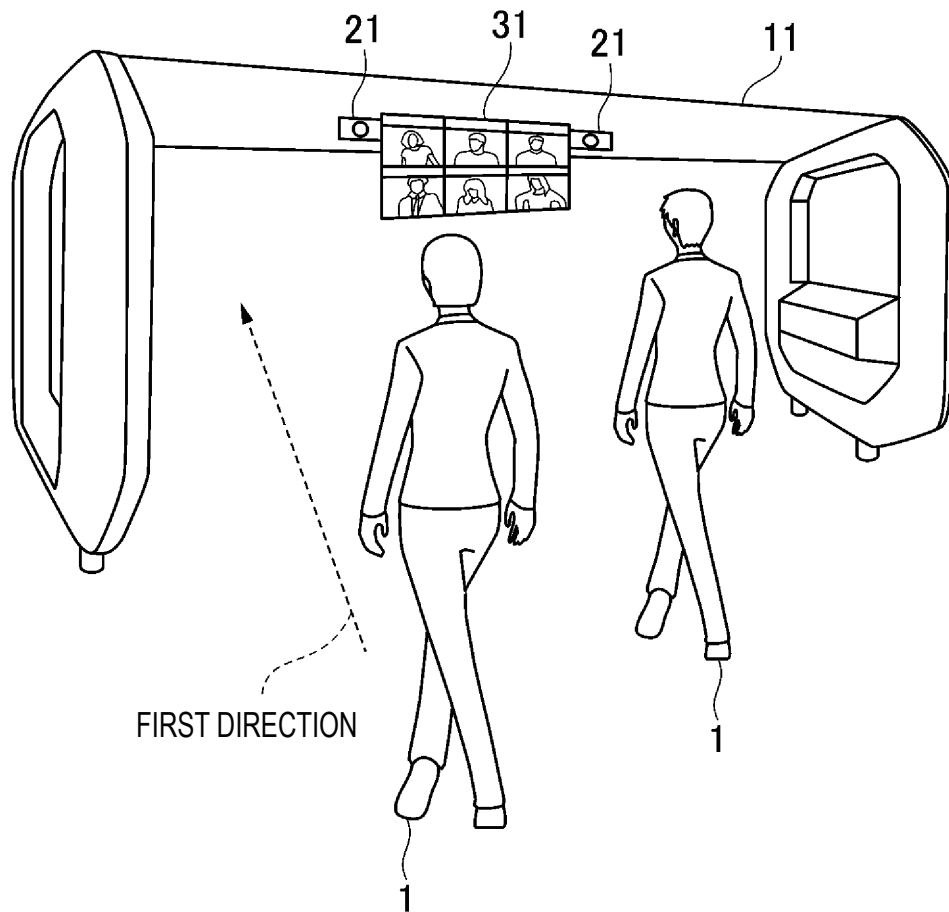


FIG. 36

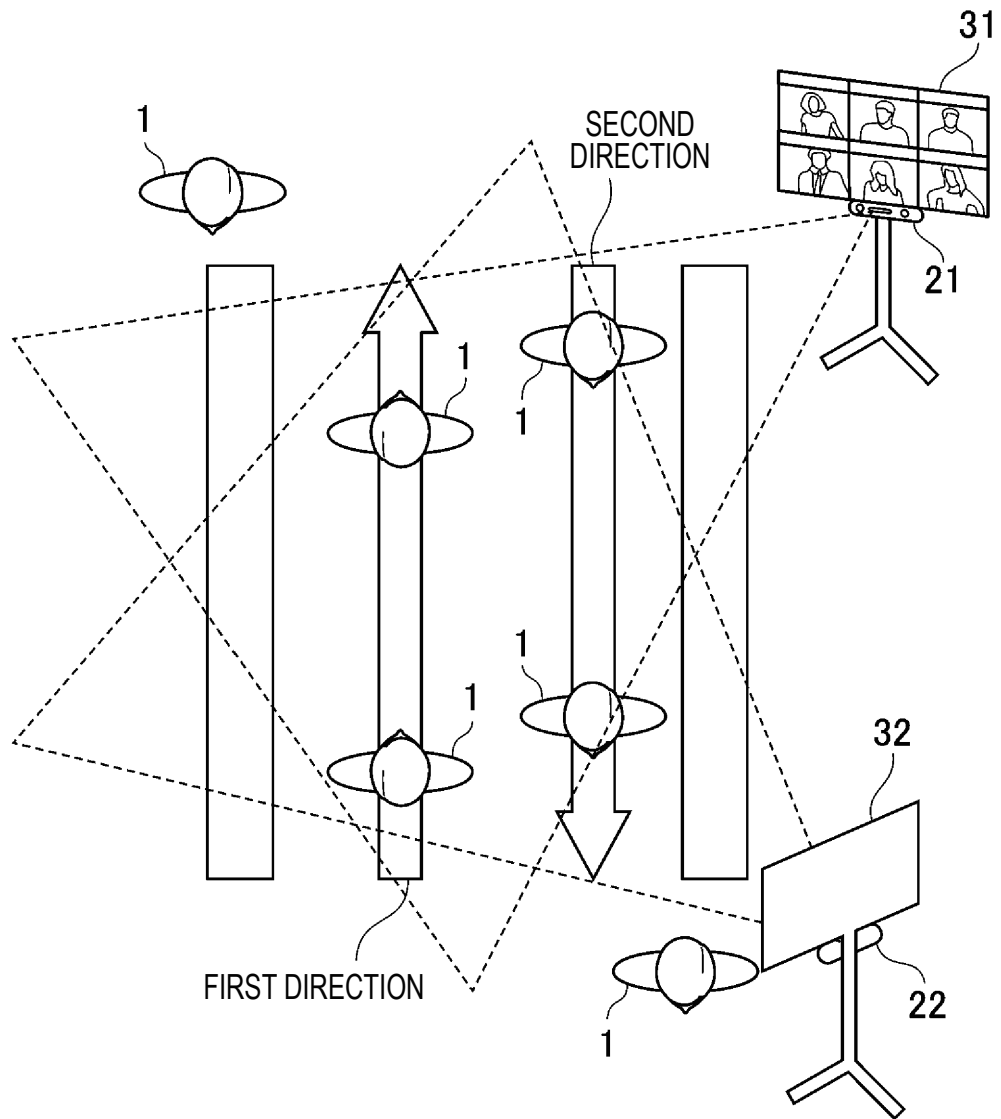


FIG. 37