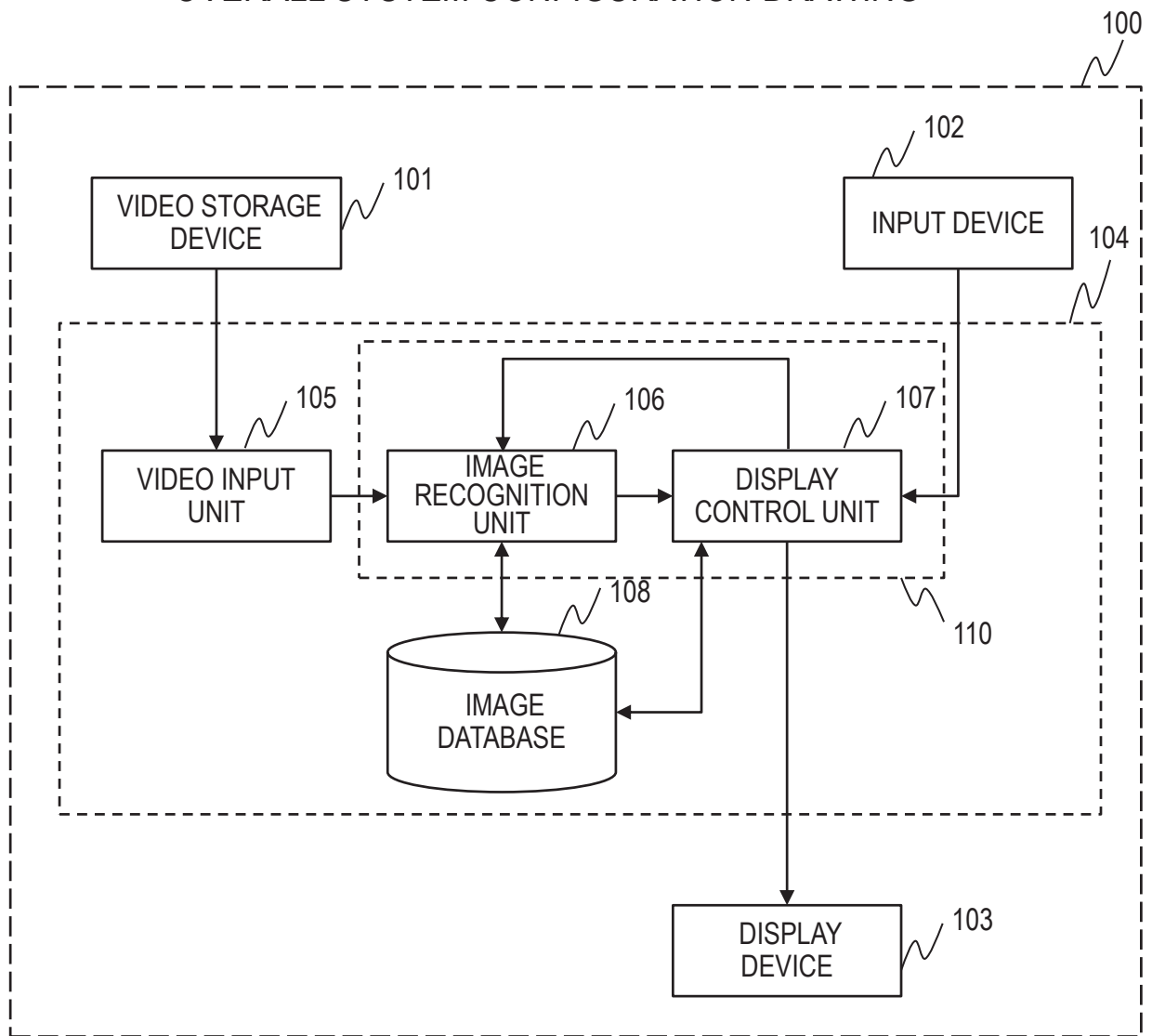


OVERALL SYSTEM CONFIGURATION DRAWING

**FIG. 1**

SYSTEM HARDWARE CONFIGURATION DRAWING

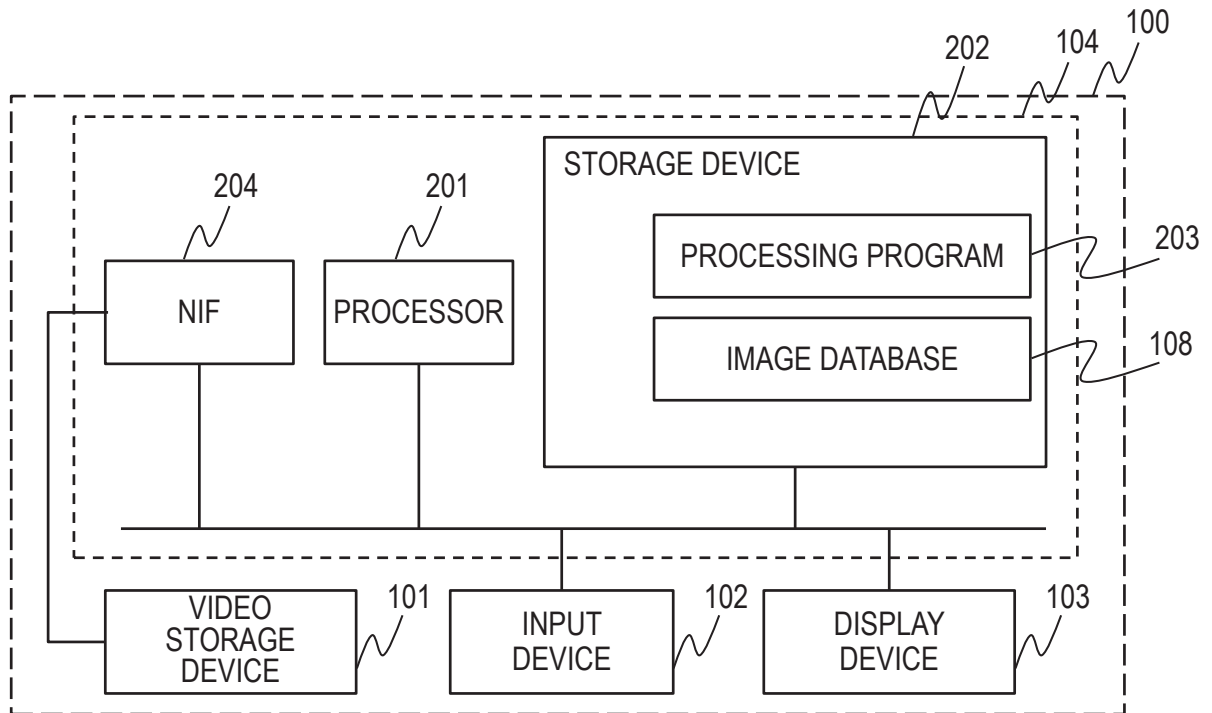
**FIG. 2**

IMAGE DATABASE STRUCTURE

IMAGE ID	IMAGE DATA	CASE ID LIST
1	<BINARY DATA>	[1, 2]
2	<BINARY DATA>	[3]
3	<BINARY DATA>	[4]
...	...	...

CASE ID	IMAGE ID	COORDINATES	IMAGE CHARACTERISTIC AMOUNT	INDIVIDUAL ID
1	1	[50,310,130,390]	[125, 152, 52, 118, 49, 250, 109, ...]	1
2	1	[190,300,270,380]	[125, 152, 52, 118, 49, 250, 109, ...]	2
3	2	[250,290,330,370]	[121, 149, 50, 119, 48, 257, 117, ...]	2
4	3	[480,310,520,350]	[243, 39, 146, 115, 155, 156, 166,...]	3
...	...	...	...	...

INDIVIDUAL ID	ATTRIBUTE INFORMATION (PERSONAL NAME)	ATTRIBUTE INFORMATION (DEGREE OF IMPORTANCE)	ATTRIBUTE INFORMATION (GENDER)	ATTRIBUTE INFORMATION (...)
1	Alice	0 (Low)	1 (Female)	...
2	Bob	1 (Medium)	0 (Male)	...
3	Carol	2 (High)	1 (Female)	...
...	...	...	...	...

FIG. 3

IMAGE RECOGNITION BY SIMILAR IMAGE SEARCH

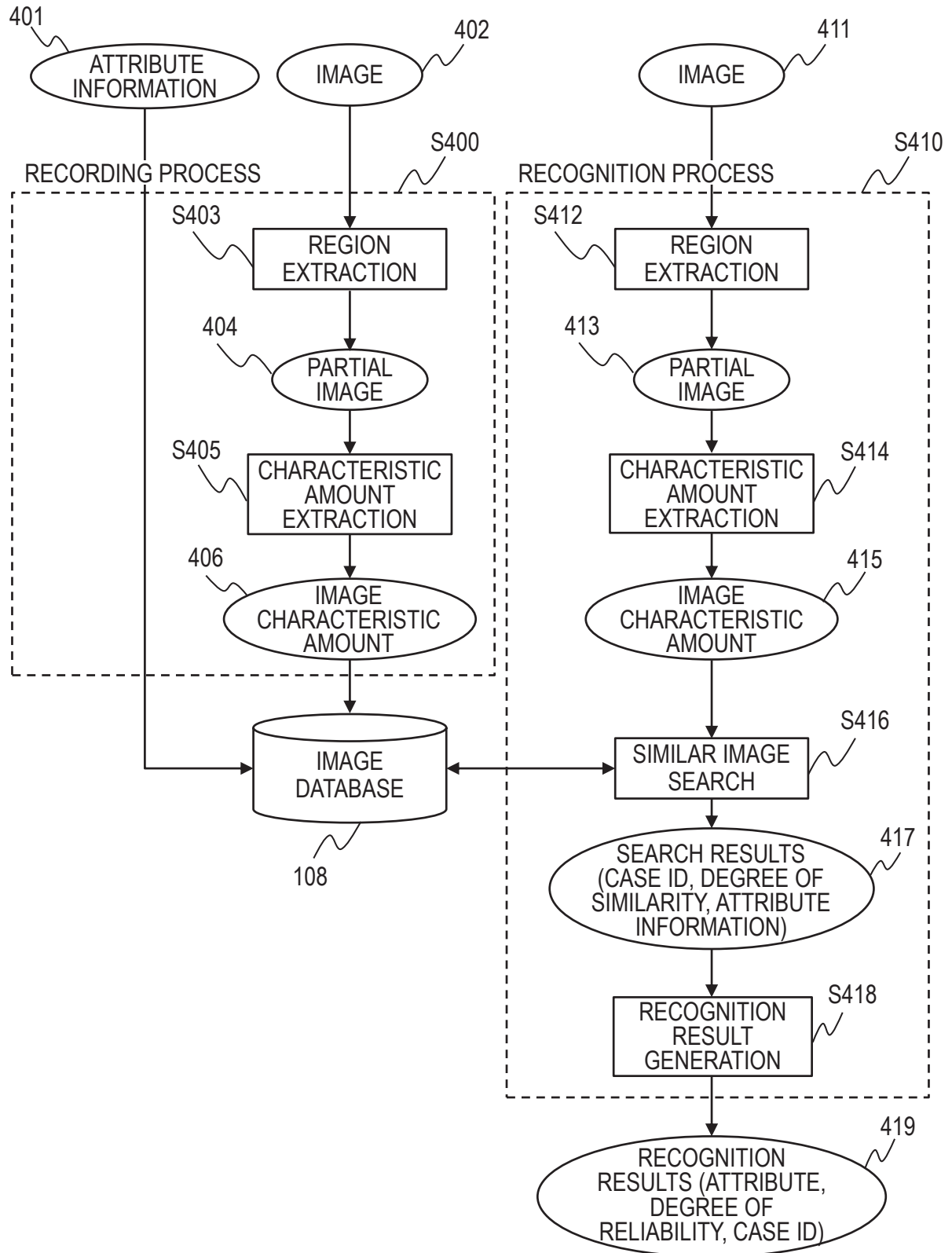
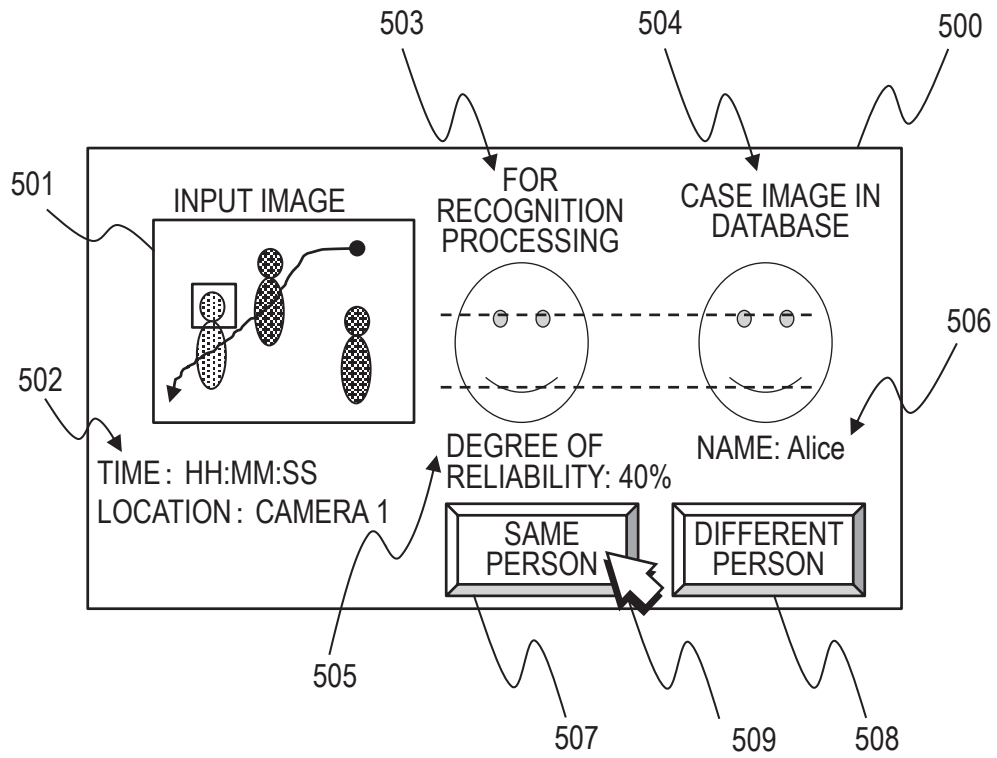


FIG. 4

VISUAL CONFIRMATION WORK BY MONITORING WORKER

**FIG. 5**

CONSOLIDATION OF RECOGNITION RESULTS BY OBJECT TRACKING

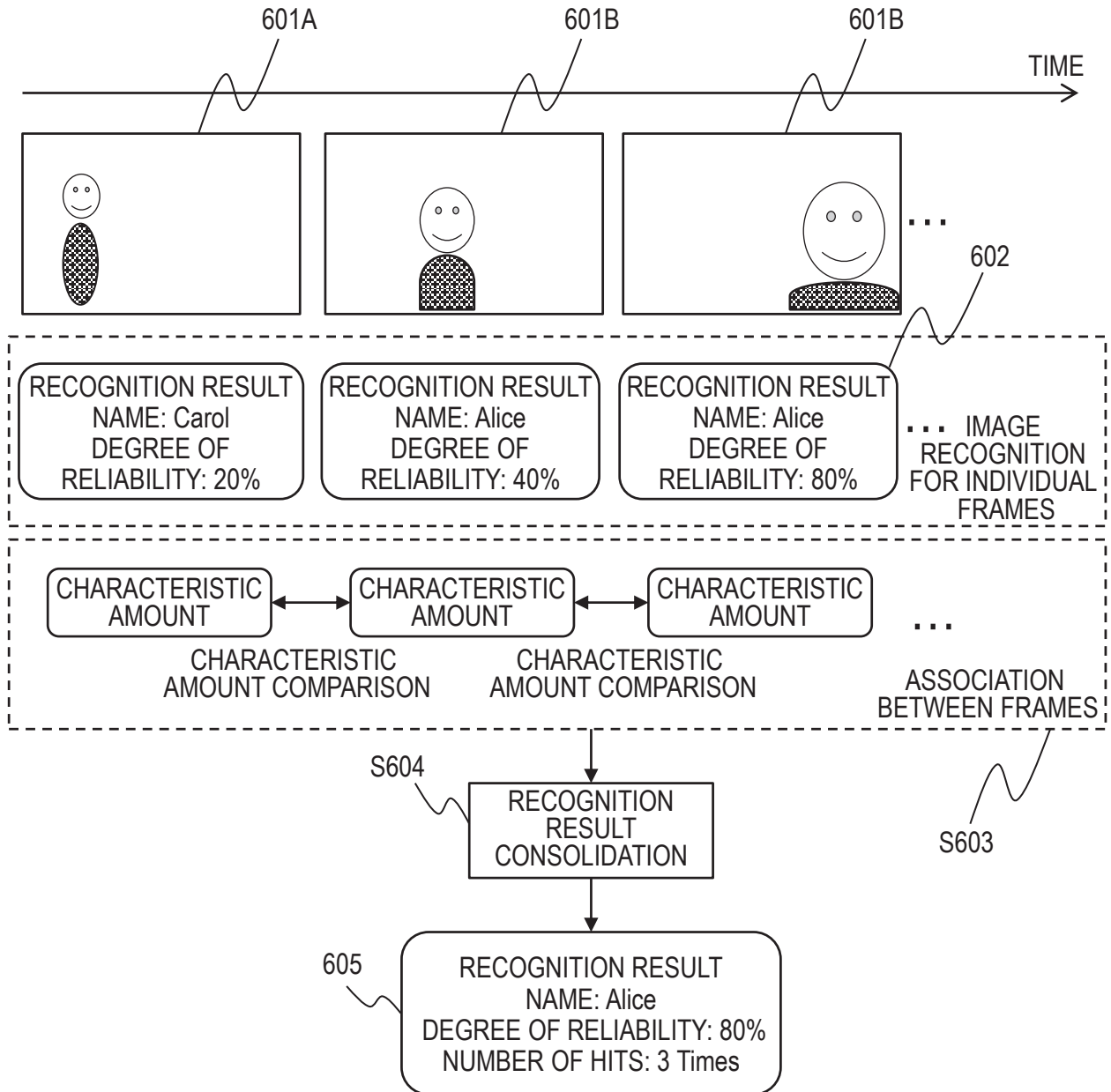
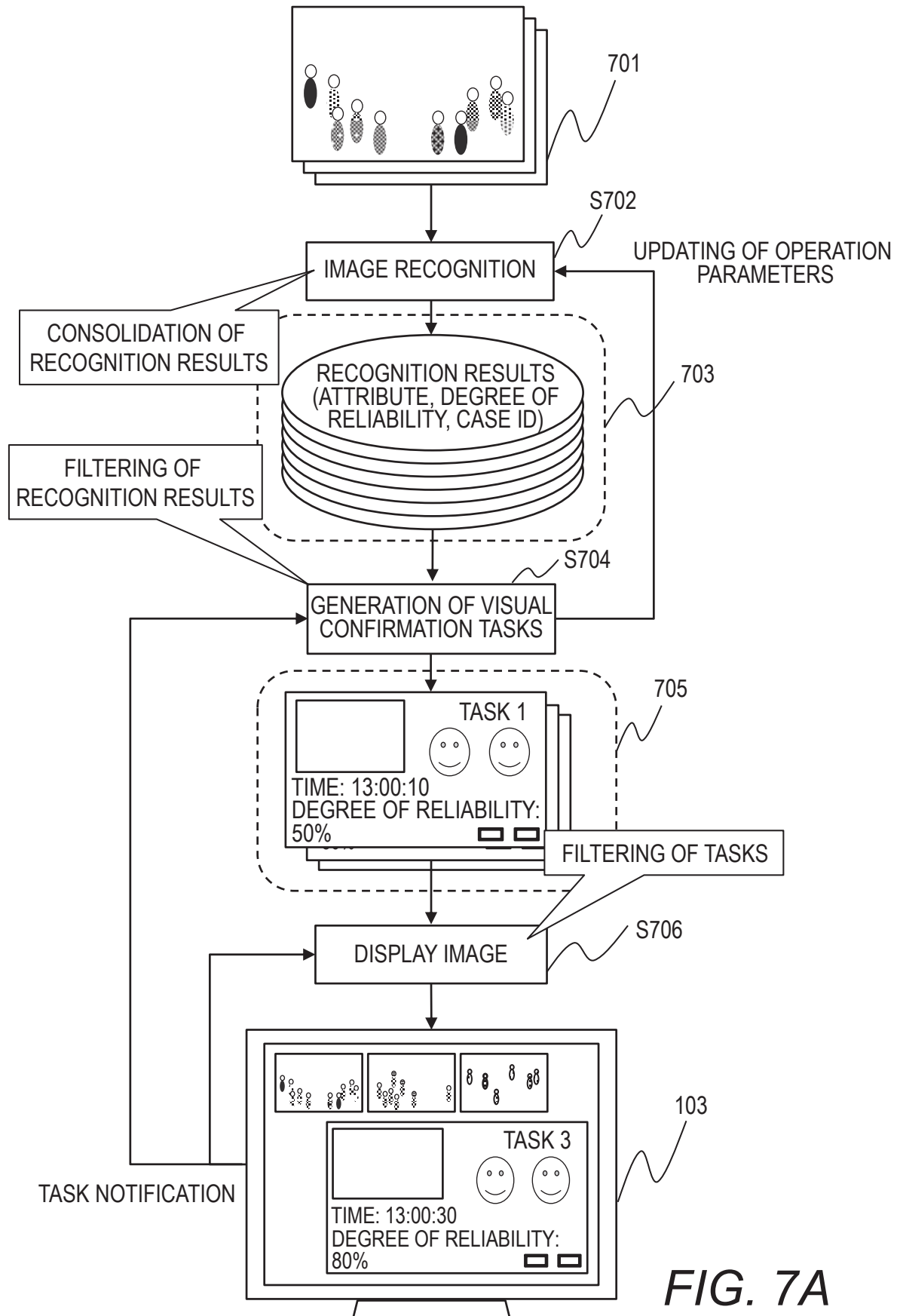


FIG. 6

DISPLAY AMOUNT CONTROL BY FEEDBACK TO IMAGE RECOGNITION UNIT



DISPLAY AMOUNT CONTROL BY FEEDBACK TO IMAGE RECOGNITION UNIT

NUMBER OF VISUAL CONFIRMATION TASKS (=NUMBER OF RECOGNITION RESULTS)

SMALL ← → LARGE

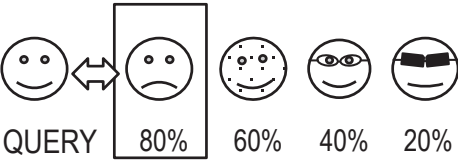
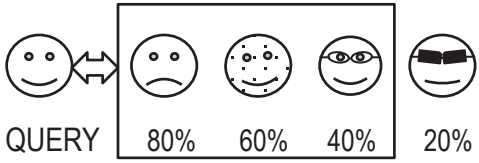
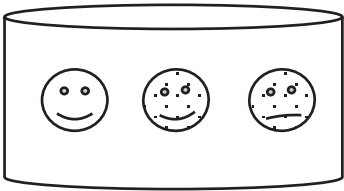
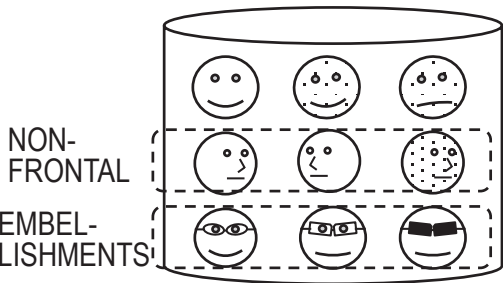
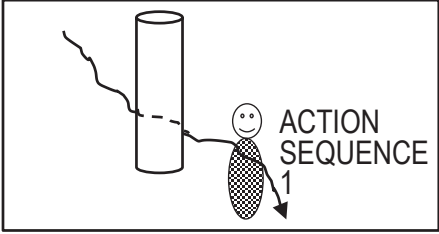
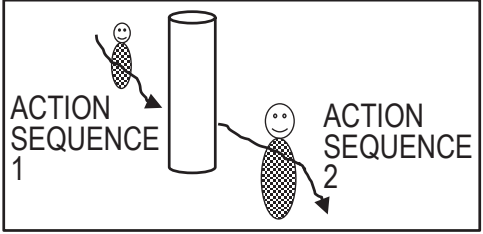
711 THRESHOLD FOR DEGREE OF SIMILARITY OF CASE USED IN RECOGNITION RESULTS	SIMILARITY THRESHOLD = 80%  QUERY 80% 60% 40% 20%	SIMILARITY THRESHOLD = 40%  QUERY 80% 60% 40% 20%
712 NARROWING CONDITIONS FOR SEARCH RANGE BY ATTRIBUTES	SEARCH ONLY FRONTAL IMAGE OF FACE WITH NO EMBELLISHMENTS 	SEARCH ALL DATA  NON-FRONTAL EMBELLISHMENTS
713 ALLOWANCE VALUE FOR ABSENCE FROM FRAME DURING OBJECT TRACKING	IF NUMBER OF FRAMES WHERE OBJECT IS ABSENT IS AT OR BELOW PREDETERMINED NUMBER, DESIGNATE AS SAME ACTION SEQUENCE  ACTION SEQUENCE 1	IF THERE IS FRAME WHERE OBJECT IS OBSCURED, THEN SEPARATE ACTION SEQUENCES  ACTION SEQUENCE 1 ACTION SEQUENCE 2
...	...	...

FIG. 7B

DISPLAY AMOUNT CONTROL

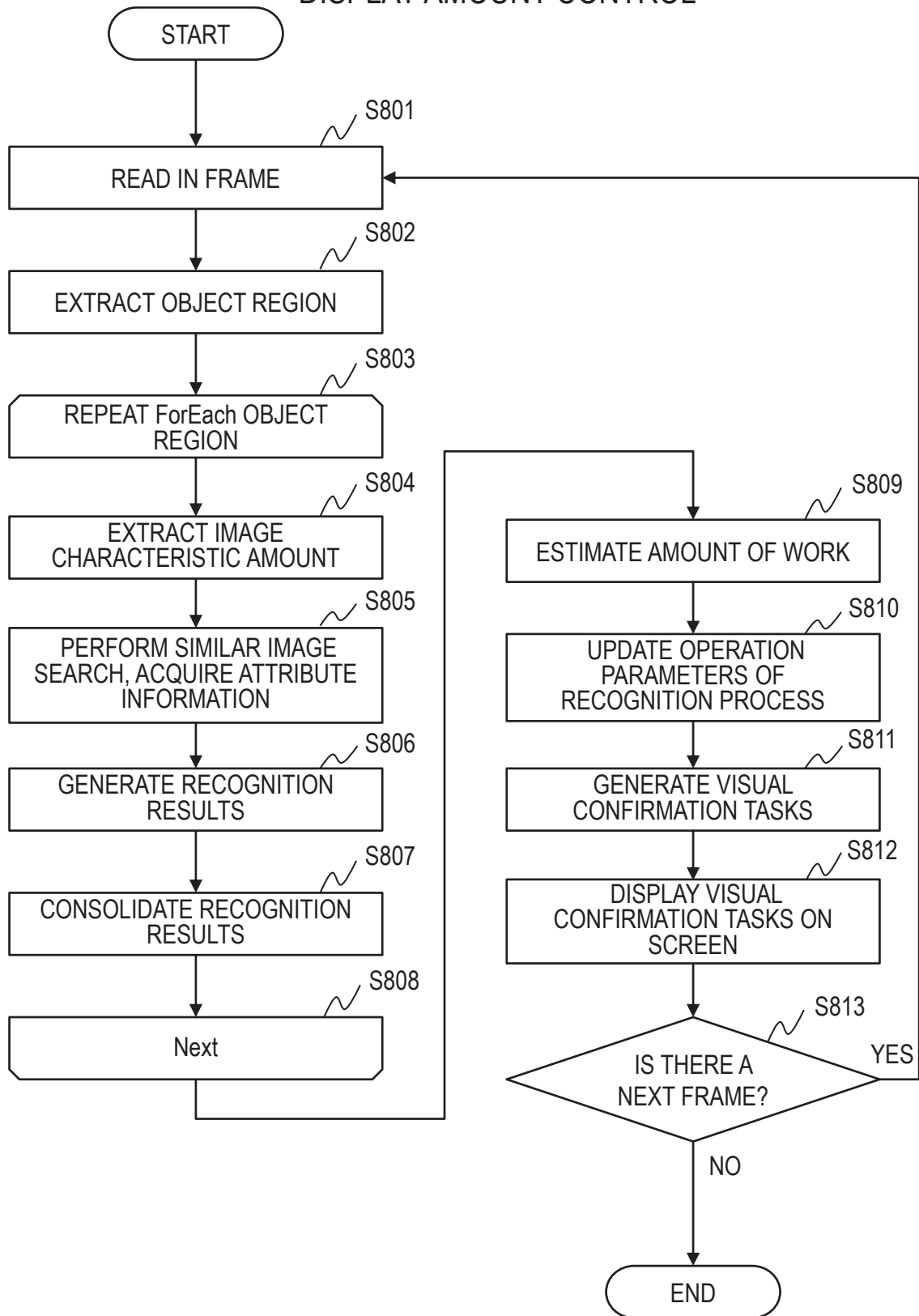


FIG. 8

PROCESSING SEQUENCE OF ENTIRE SYSTEM

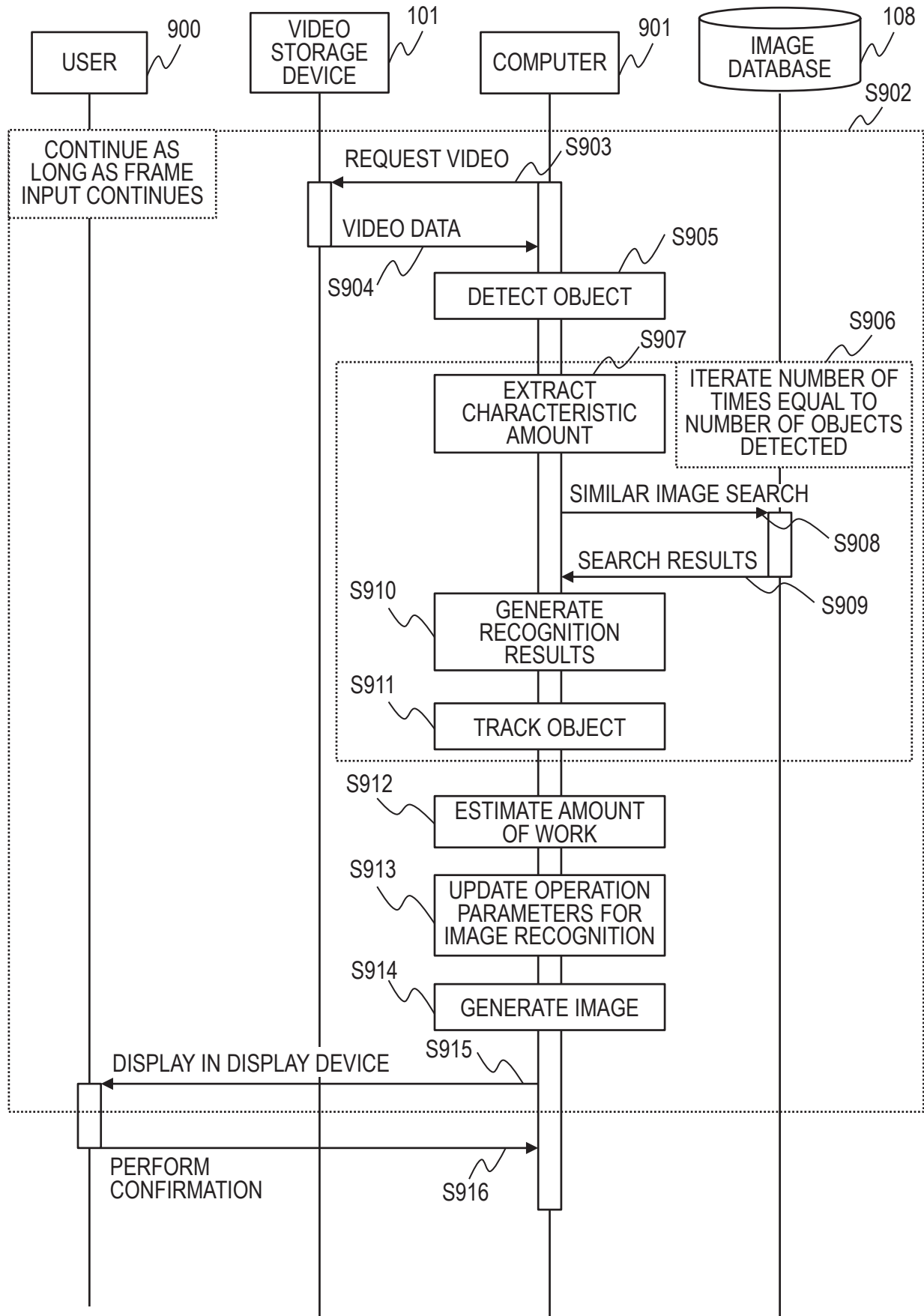


FIG. 9

DISPLAY SCREEN CONFIGURATION EXAMPLE

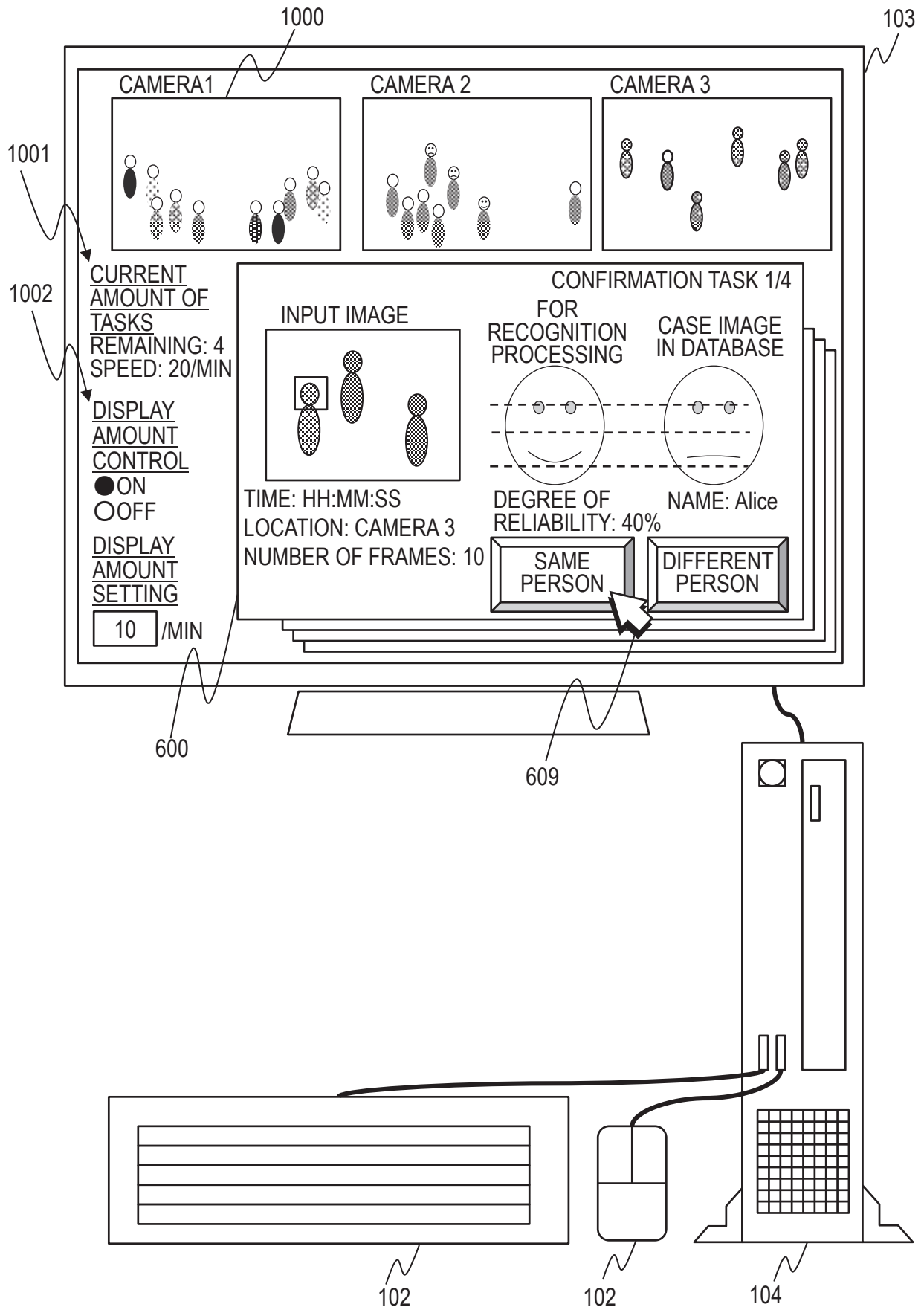


FIG. 10

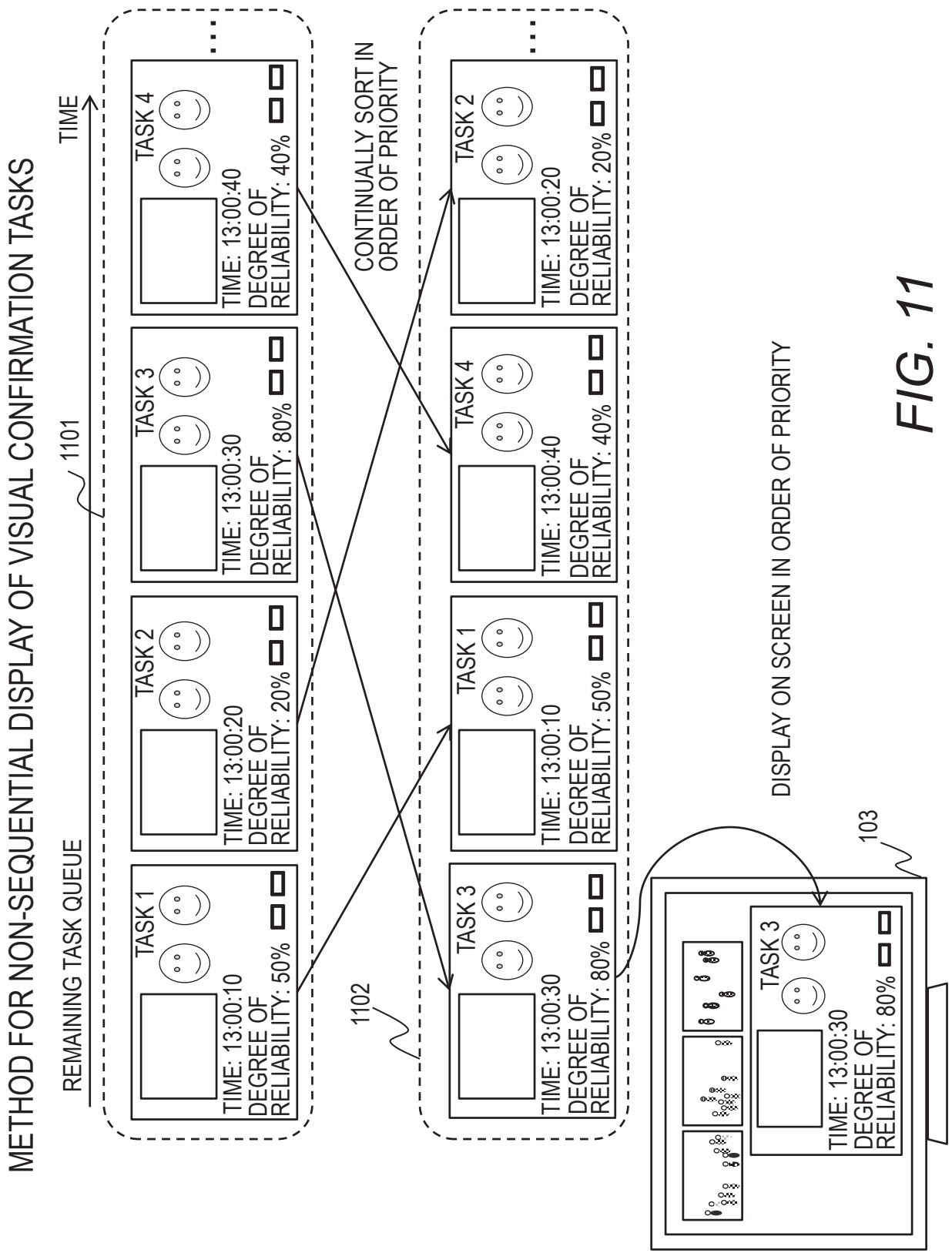
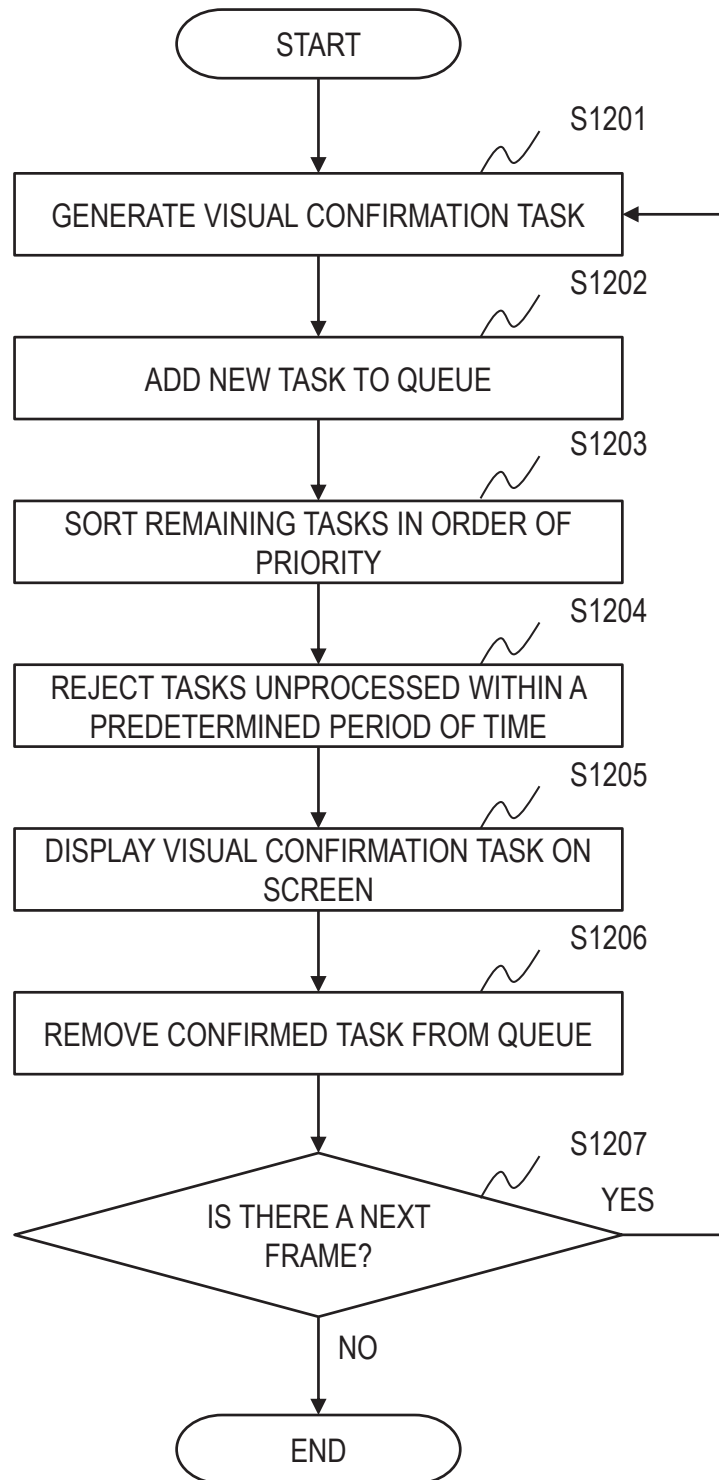
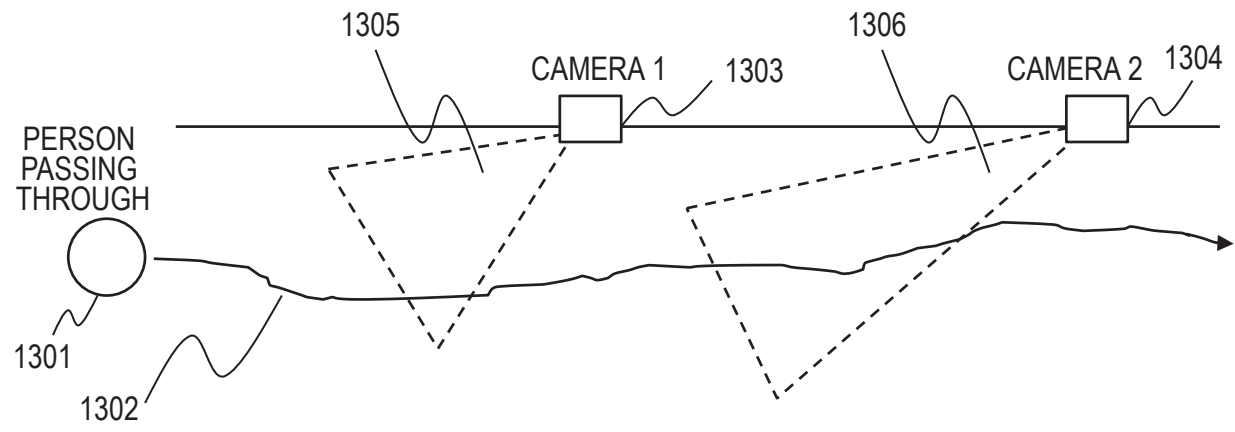


FIG. 11

METHOD FOR NON-SEQUENTIAL DISPLAY OF VISUAL CONFIRMATION TASKS

**FIG. 12**

INDEPENDENT DISPLAY AMOUNT CONTROL FOR EACH SOURCE OF VIDEO



IMAGING CONDITIONS	[BAD] DEPRESSION ANGLE ··· STEEP LIGHTING ··· DARK	[GOOD] DEPRESSION ANGLE ··· SHALLOW LIGHTING ··· BRIGHT
RATE OF FALSE RECOGNITIONS	HIGH	LOW
AMOUNT TO WHICH DISPLAY AMOUNT IS CONTROLLED	HIGH	LOW

FIG. 13

REDUCTION IN DISPLAY AMOUNT BY TRACKING BETWEEN CAMERAS

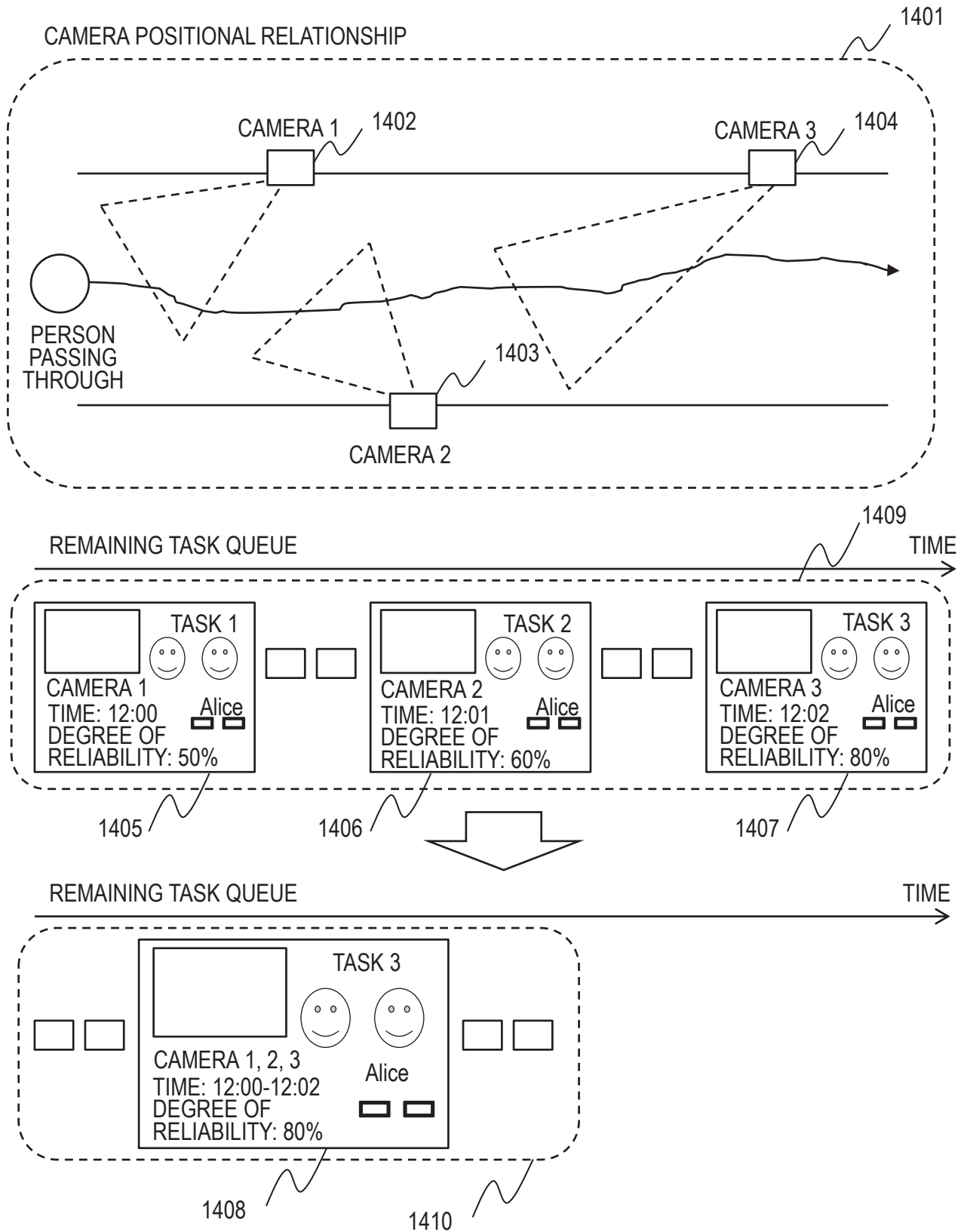
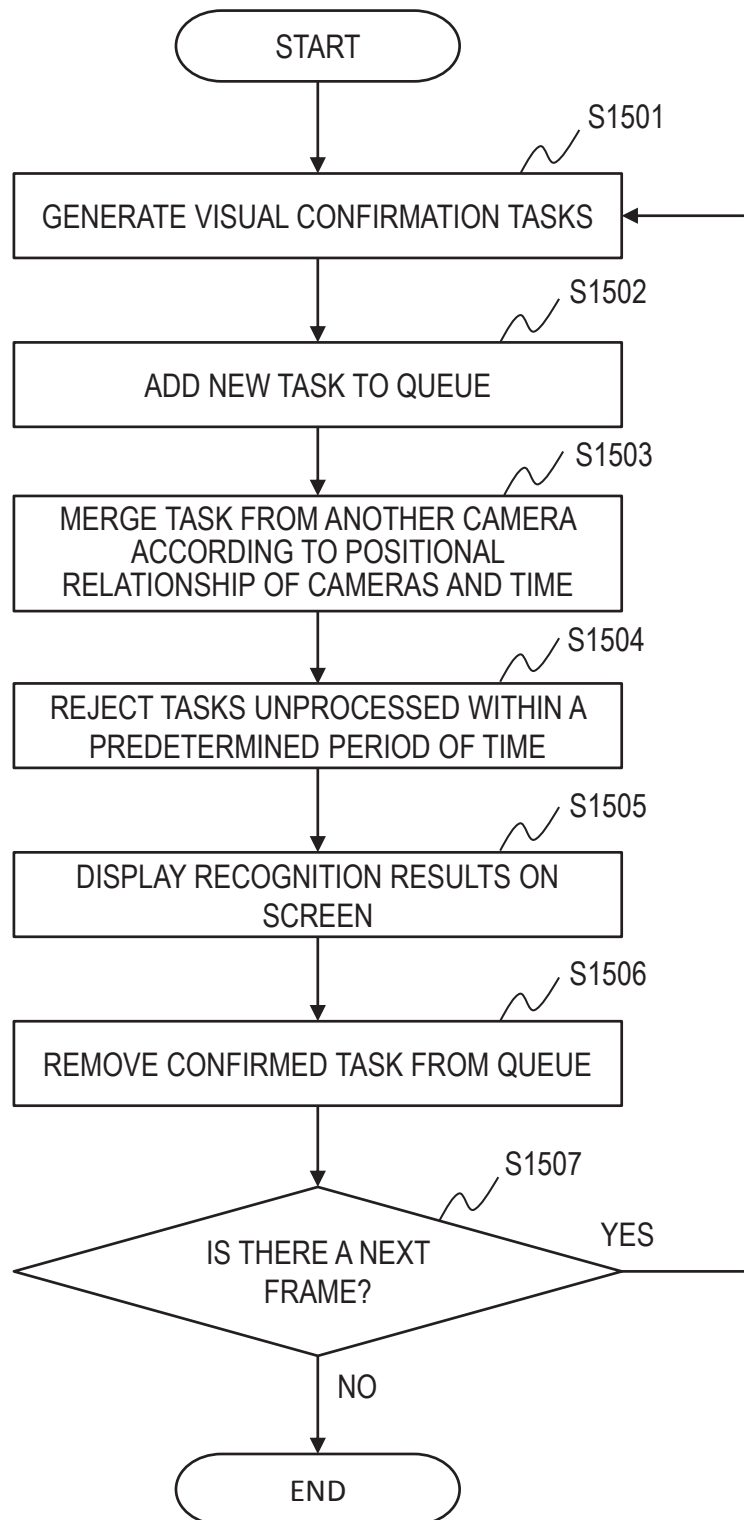


FIG. 14

REDUCTION IN DISPLAY AMOUNT BY TRACKING BETWEEN CAMERAS

**FIG. 15**

REJECTION OF REMAINING TASKS BY CLUSTERING

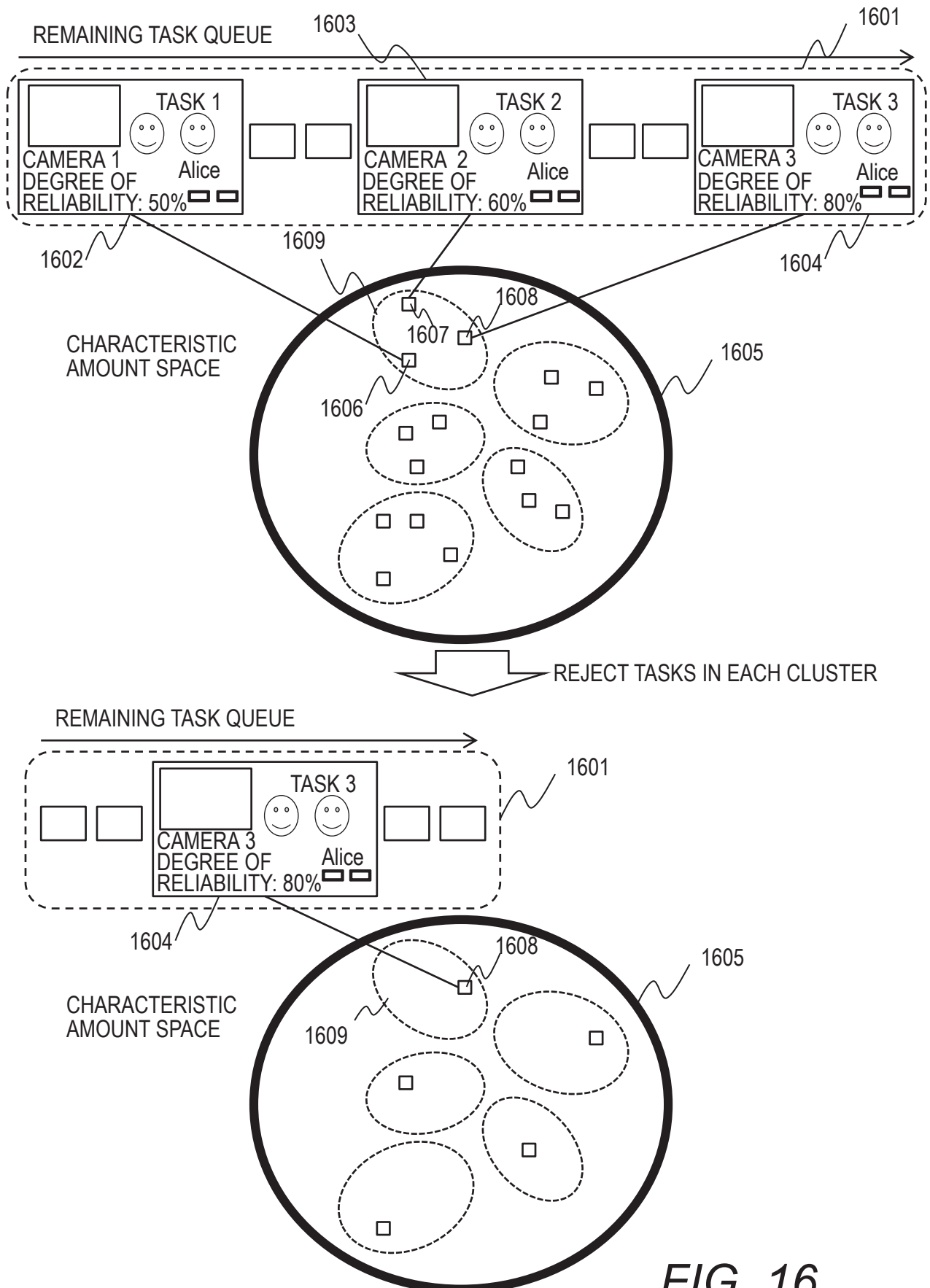
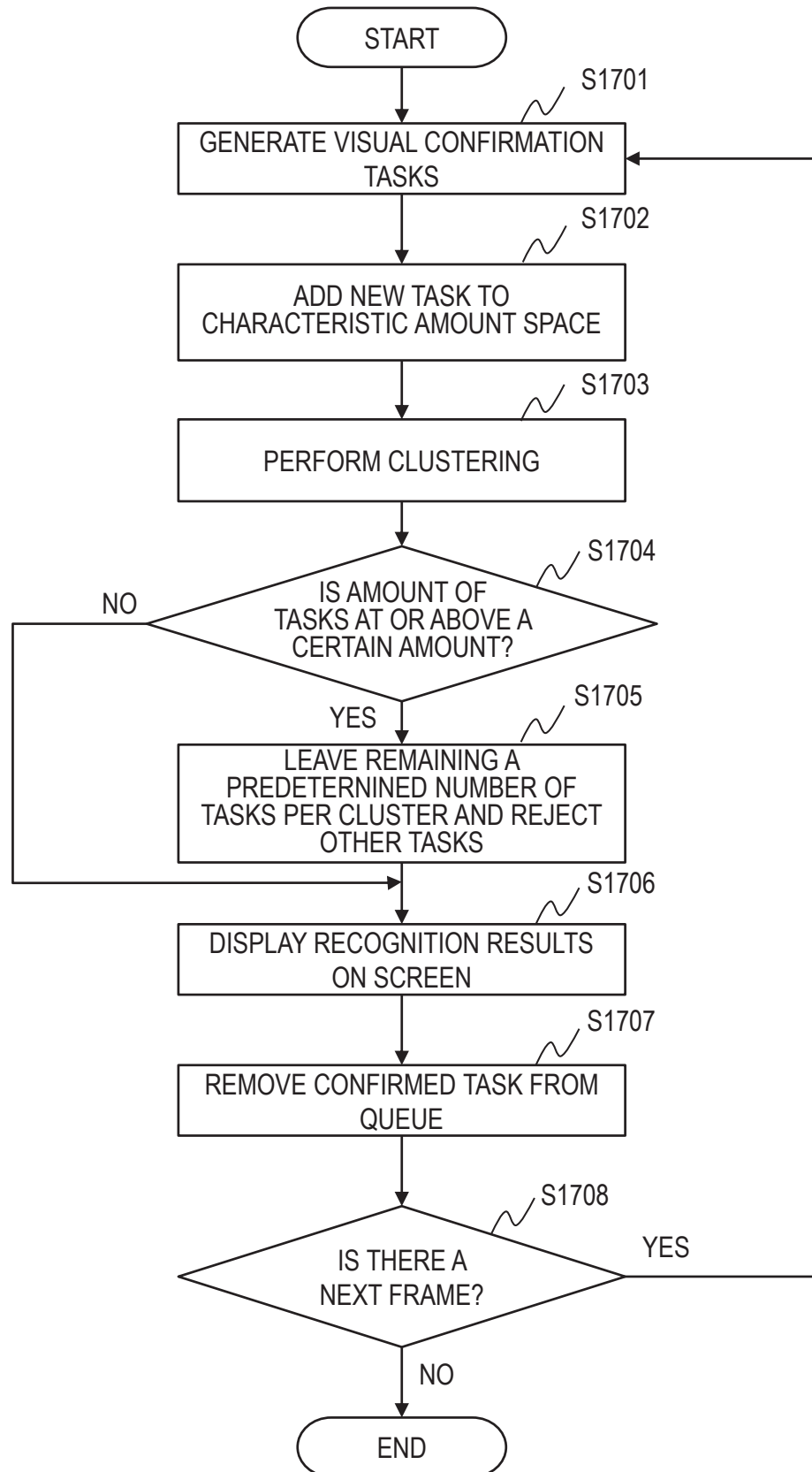


FIG. 16

REJECTION OF REMAINING TASKS BY CLUSTERING

**FIG. 17**

DISPLAY SCREEN CONFIGURATION EXAMPLE

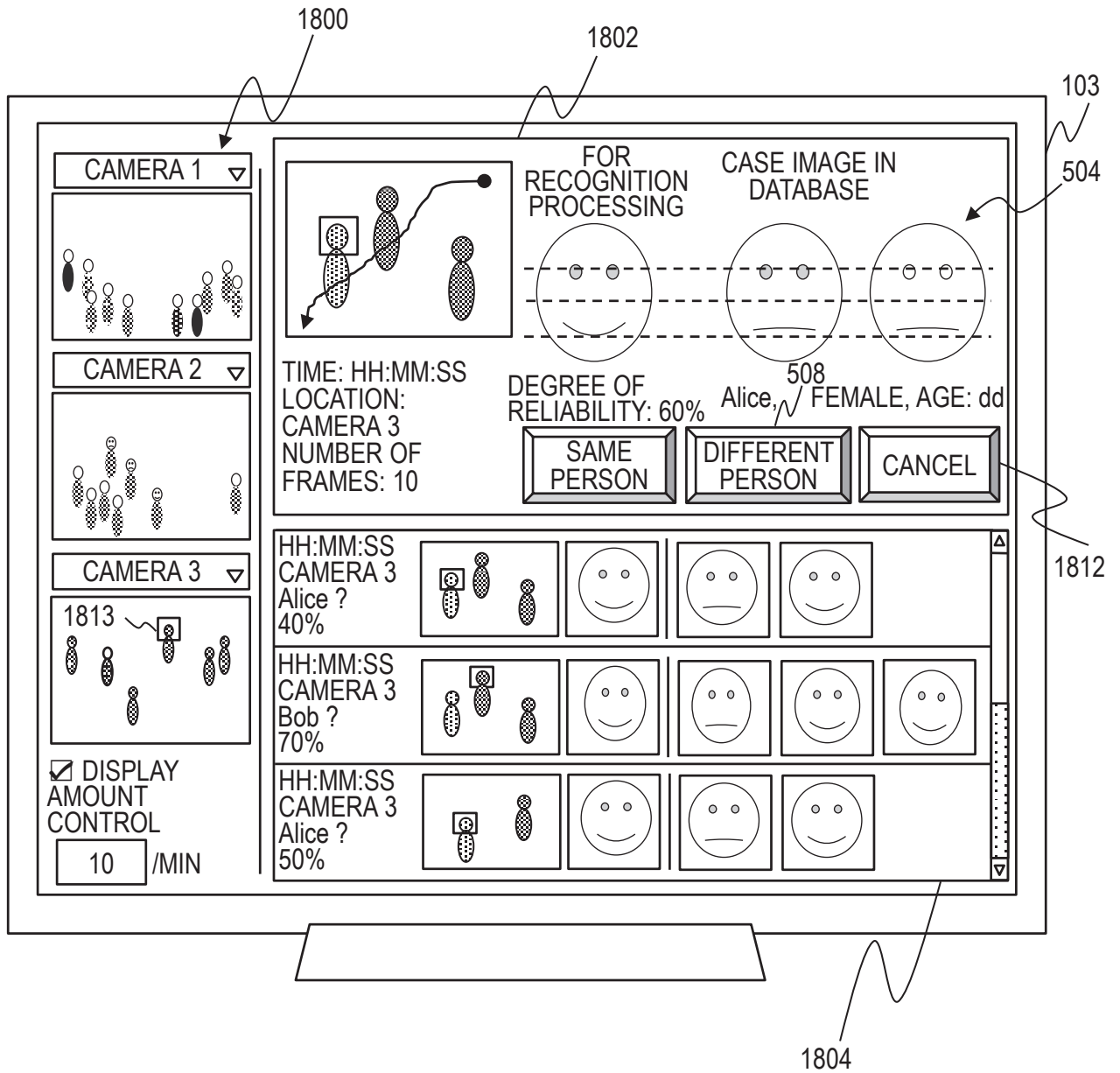


FIG. 18