

1/9
FIG. 1

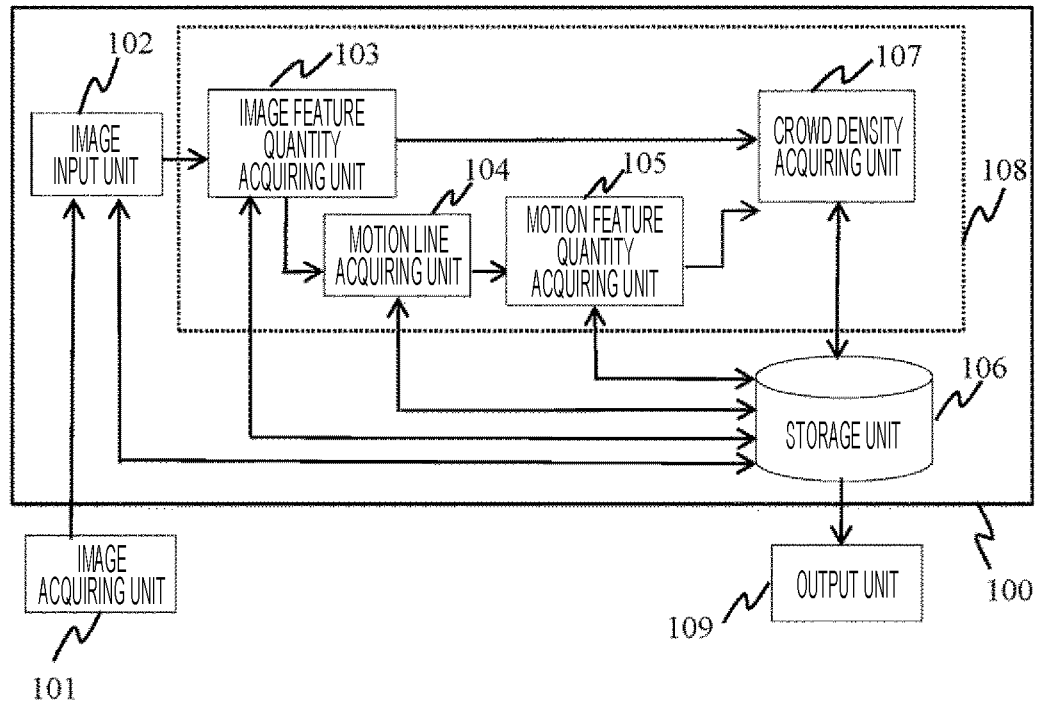


FIG. 2

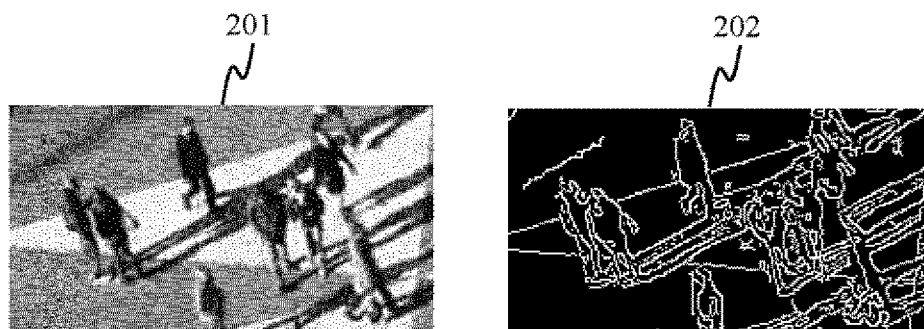


FIG. 3

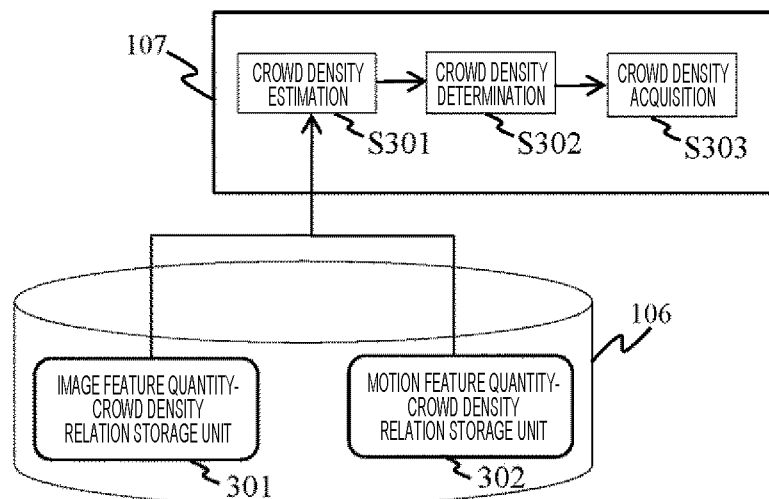


FIG. 4

	CROWD DENSITY ESTIMATION VALUE BY IMAGE FEATURE QUANTITY (FIRST CROWD DENSITY ESTIMATION VALUE)	CROWD DENSITY ESTIMATION VALUE BY MOTION FEATURE QUANTITY (SECOND CROWD DENSITY ESTIMATION VALUE)
IMAGE 1107	2.38	3.38
IMAGE 1507	0.34	2.63

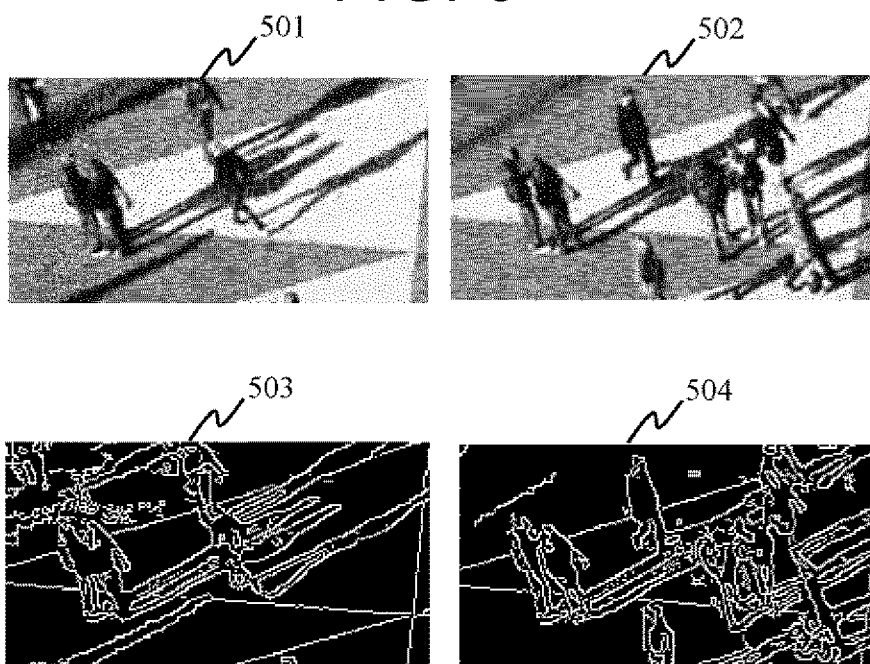
FIG. 5**FIG. 6**

	IMAGE 501	IMAGE 502	INCREASING RATE (%) OF A → B
IMAGE FEATURE QUANTITY	3939	4364	10.8
CROWD DENSITY	5	9	80.0

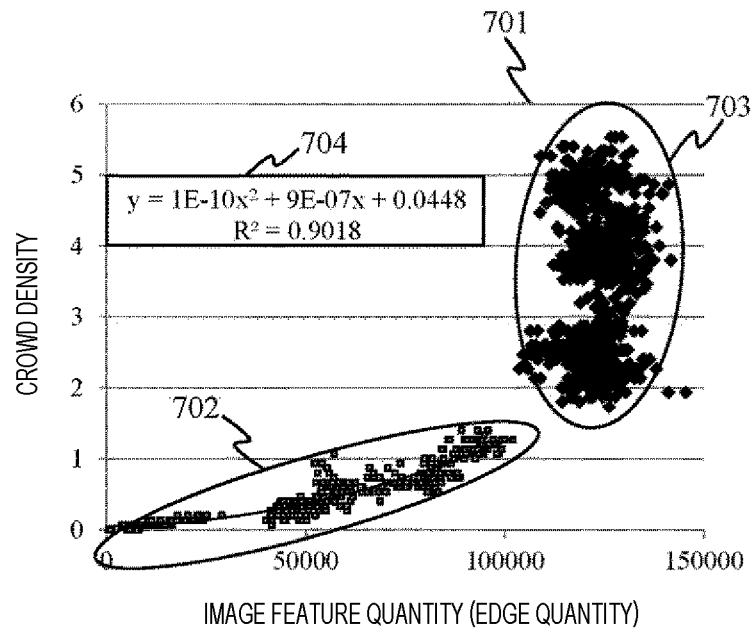
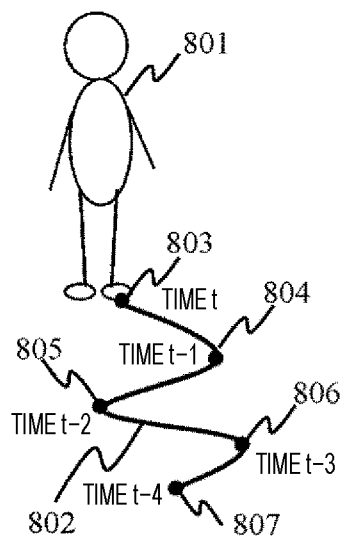
FIG. 7**FIG. 8**

FIG. 9

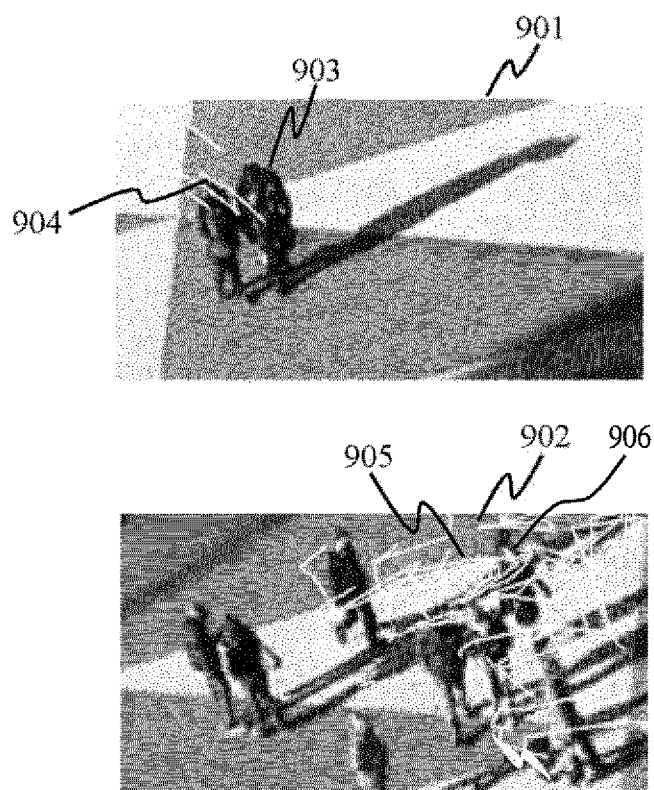


FIG. 10

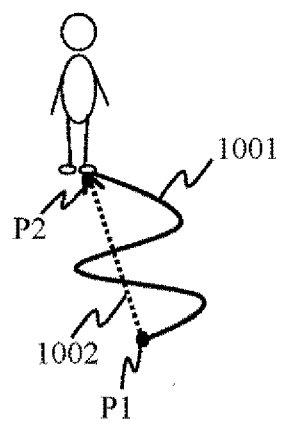


FIG. 11

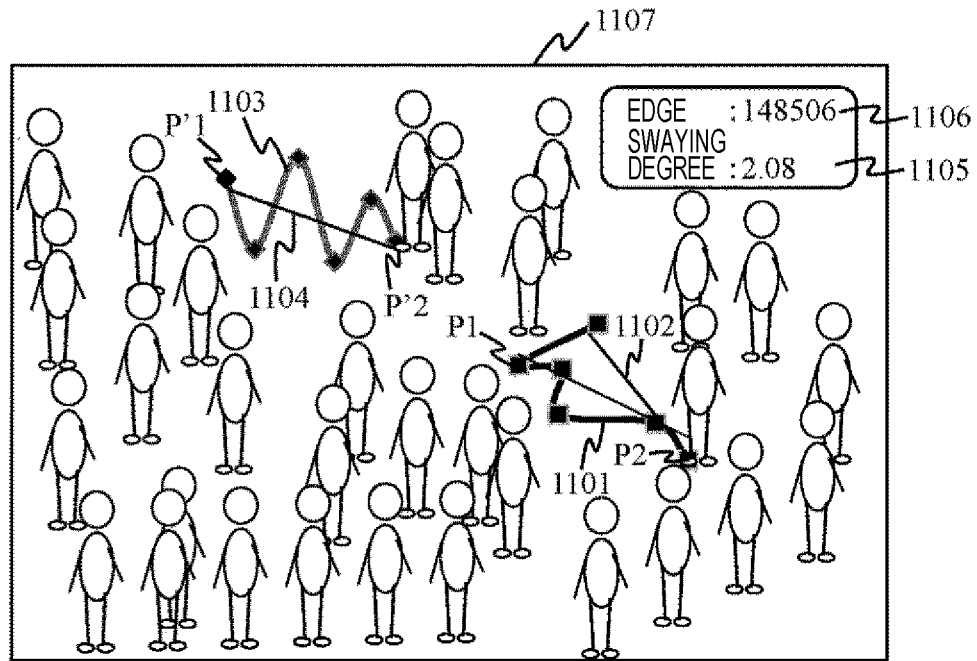


FIG. 12

1201 MOTION LINE ID	1202 TIME t	1203 X COORDINATE	1204 Y COORDINATE	1205 DISTANCE TO COORDINATES AT PREVIOUS TIME	1206 TOTAL DISTANCE OF MOTION LINE	1207 DISTANCE FROM START POINT TO END POINT OF MOTION LINE	1208 SWAYING DEGREE	
1	1	178	110	-	-	-	-	1209
1	2	156	100	24.2	24.2	24.2	1.00	1210
1	3	168	99	12.0	36.2	14.9	2.44	1211
1	4	167	88	11.0	47.3	24.6	1.92	1212
1	5	194	86	27.1	74.3	28.8	2.58	1213
1	6	203	77					1214
2	1	75	145	-	-	-	-	1215
2	2	83	128	18.8	18.8	18.8	1.00	1216
2	3	95	150	25.1	43.8	20.6	2.13	1217
2	4	105	125	26.9	70.8	36.1	1.96	1218
2	5	115	140	18.0	88.8	40.3	2.20	1219
2	6	122	130					1220

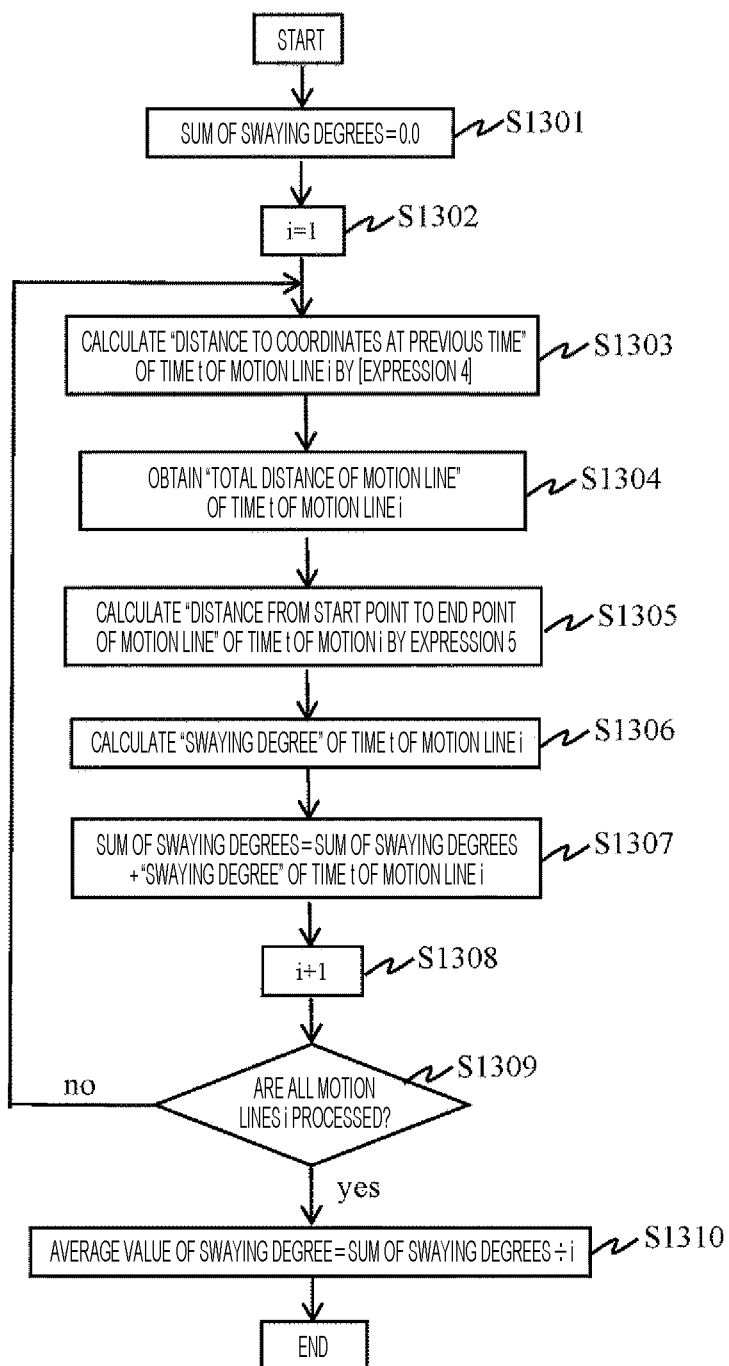
FIG. 13

FIG. 14

MOTION LINE ID	TIME t	x COORDINATE	y COORDINATE	DISTANCE TO COORDINATES AT PREVIOUS TIME	TOTAL DISTANCE OF MOTION LINE	DISTANCE FROM START POINT TO END POINT OF MOTION LINE	SWAYING DEGREE
1	1	178	110	—	—	—	—
1	2	156	100	24.2	24.2	24.2	1.00
1	3	168	99	12.0	36.2	14.9	2.44
1	4	167	88	11.0	47.3	24.6	1.92
1	5	194	86	27.1	74.3	28.8	2.58
1	6	203	77	12.7	87.1	41.4	2.10
2	1	75	145	—	—	—	—
2	2	83	128	18.8	18.8	18.8	1.00
2	3	95	150	25.1	43.8	20.6	2.13
2	4	105	125	26.9	70.8	36.1	1.96
2	5	115	140	18.0	88.8	40.3	2.20
2	6	122	130	12.2	101.0	49.3	2.05

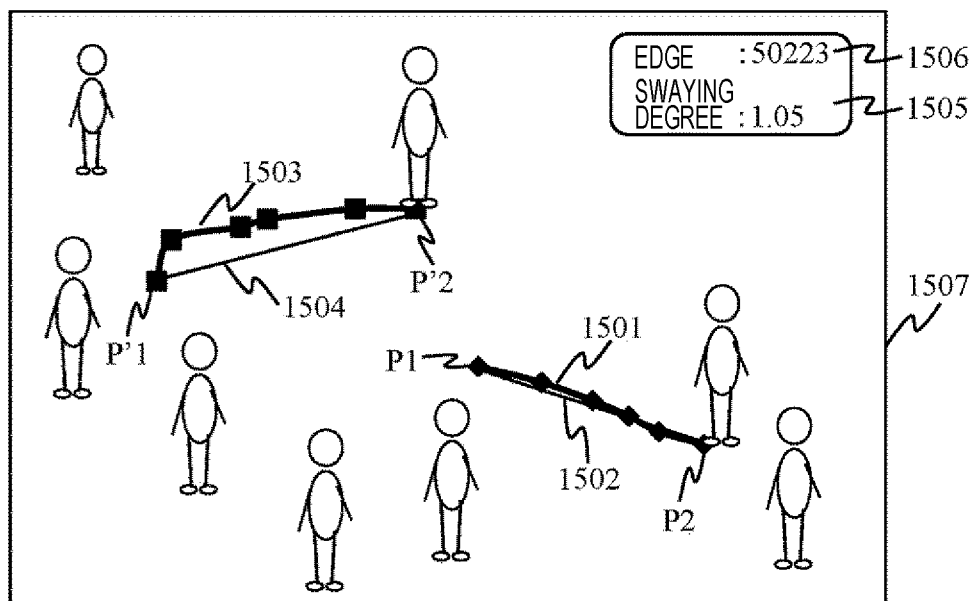
FIG. 15

FIG. 16

MOTION LINE ID	TIME	x COORDINATE	y COORDINATE	DISTANCE TO COORDINATES AT PREVIOUS TIME	TOTAL DISTANCE OF MOTION LINE	DISTANCE FROM START POINT TO END POINT OF MOTION LINE	SWAYING DEGREE
1	1	171	112	—	—	—	— 1601
1	2	192	106	21.8	21.8	21.8	1.00 1602
1	3	209	99	18.4	40.2	40.2	1.00 1603
1	4	221	93	13.4	53.6	53.5	1.00 1604
1	5	231	87	11.7	65.3	65.0	1.00 1605
1	6	246	82	15.8	81.1	80.8	1.00 1606
2	1	64	145	—	—	—	— 1607
2	2	69	161	16.8	16.8	16.8	1.00 1608
2	3	92	166	23.5	40.3	35.0	1.15 1609
2	4	101	169	9.5	49.8	44.1	1.13 1610
2	5	130	173	29.3	79.1	71.7	1.10 1611
2	6	150	173	20.0	99.1	90.4	1.10 1612

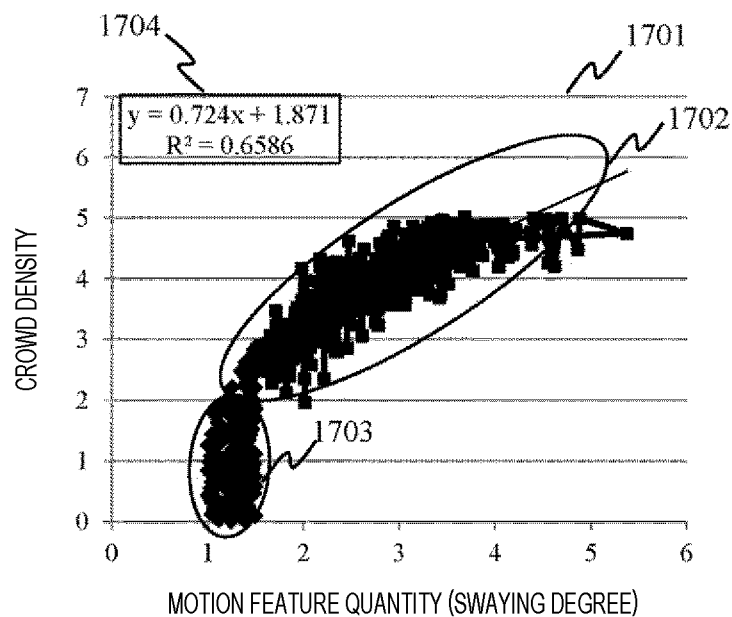
FIG. 17

FIG. 18

	CROWD DENSITY ESTIMATION VALUE BY IMAGE FEATURE QUANTITY (FIRST CROWD DENSITY ESTIMATION VALUE)	CROWD DENSITY ESTIMATION VALUE BY MOTION FEATURE QUANTITY (SECOND CROWD DENSITY ESTIMATION VALUE)	RESULT OF DETERMINING CROWD DENSITY
IMAGE 1107	2.38	3.38	3.38
IMAGE 1507	0.34	2.63	0.34

FIG. 19