

2003 - 0032003
2003 04 23

WO 2003/05323
2003 01 16

1

가

가
가

1

,

가 가

가

가 (hunting) 가

nce systems) (audio visual presentation equipment) (surveilla
(speaker - following video camera)

가 5,712,830
ATM

가 (vertical threshold detection)
(peaks) (holes)

6,243,029 (indicia)

(ticket)

가

6,107,942

가

가

가

가

가

가

(scenes)

가

(printed map)

(indication)

가

(space - by - space)

가

(congestion),

가

가

1 .

2 .

3 .

4 (parking assistant) .

5 .

6 (instructions) , ,
(document) .

7 .

8 .

9 가

10 가

10a 7 10 .

11 .

1 , (100) (120) 가
(100) , (100)
(120) , (background subtraction), (object counting)

가 , (150) ,
(155), (110) () , ()
(122) , (121) .

2 , (smart parking advisor) (infrastructure)
/ (200, 220) .
(260) (260) CCD

(270) . (260) ,
 (261)(가) ,
 (260) (260)
 (260) (270) (raw video data) ,
 (indicator) . (200
 / 220) (260)

3 , (260) , (205) (225)
 , (240 / 250)
 . (205, 225) () (240 / 250)
 . (205, 225) (WWW)
 , (240, 250)
 ,
 (205, 225)
 ,
 / 가 .

, (110)
 (resolved)
 (silhouettes) .
 가 가 (310) ()
) () 가
 1 (overhead view)가
 (blobs)

, ,
 , 가
 , 가

가 (route) (path planning problem)
 4 , (220) (200)

(220) , 가 (S10) .

(S20) 가 (gate) 가

1 가 가

가

가

가

가

가

가

(robust)
A* . A* 가

5,083,256 , K. Trovato L. Dorst, 1989 10 17 , 1992 1 21
; (Differential Budding):
4,949,277 , K. Trovato L. Dorst, 1988 3 10 , 1990 8 14 ;
07/123,502 , L. Dorst K. Trovato, 1987 11 20

(220/200) , S25 , S30 ,

(510) (530) 6 , (500)
가

가

7 (330, 335)
(340) (300, 305, 310,
320) (355) 8 ,
(355) ,
(360)

9 (graphic illustration) (400, 410) , (41
5) (hatching) (highlighting)

10 , 가 (420, 440) (430)(, 480)

10a , 가 (332) (330) (332)

5 , 10 가 (S40). (S45) (S50).

11 , (500) (505) (510) 가 (MPEG)

(510) (505) () (510) (530) (subproces ses) (510) (510)

(510) (515) (535) A*

5,712,830

(, ,)

가, 가 ,

(sales)

가

(200, 205)

(GPS)

4

6

(57)

1.

가

(indication)

2.

1

3.

2

4.

1

5.

1

6.

(510, 240, 250, 260)

7.

6

8.

6

9.

,

,

,

,

,

.

10.

9

,

,

,

,

.

11.

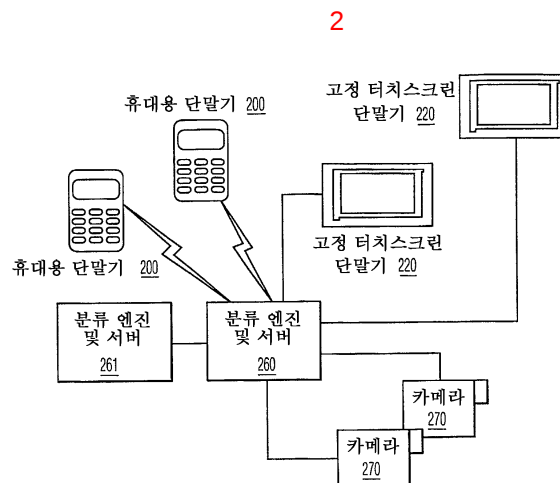
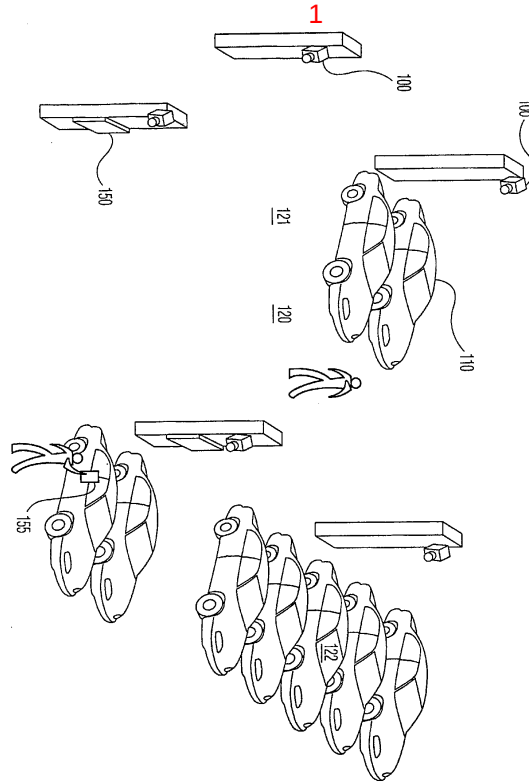
9

,

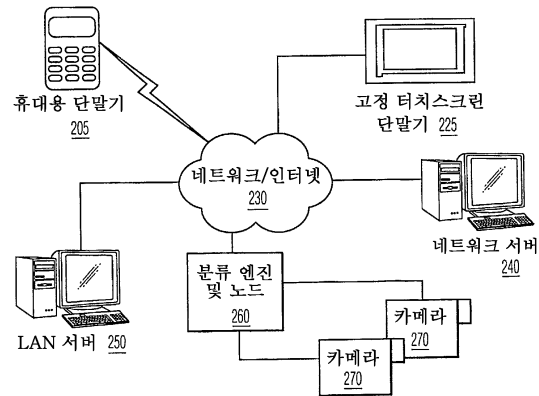
가

,

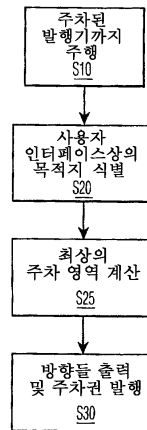
.



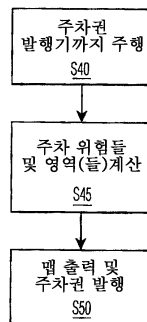
3



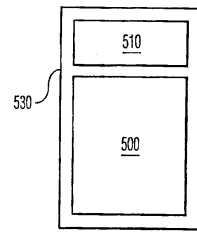
4



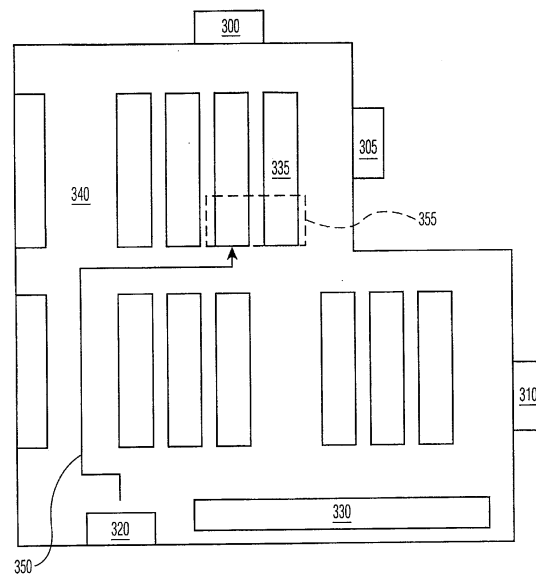
5



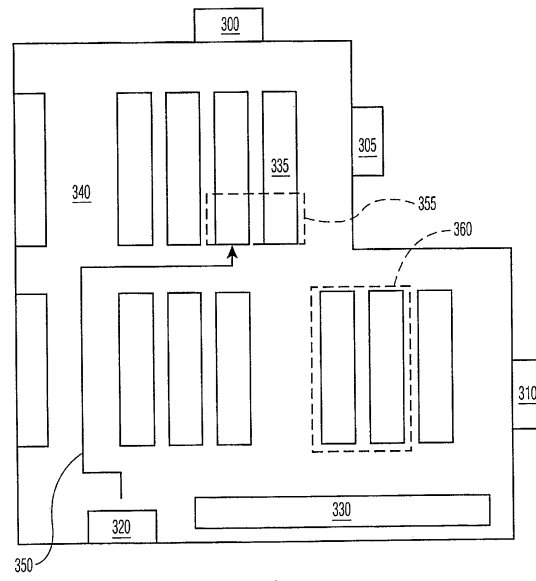
6



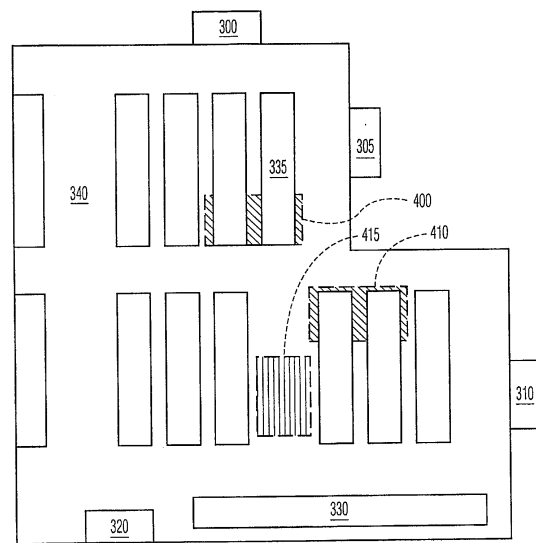
7



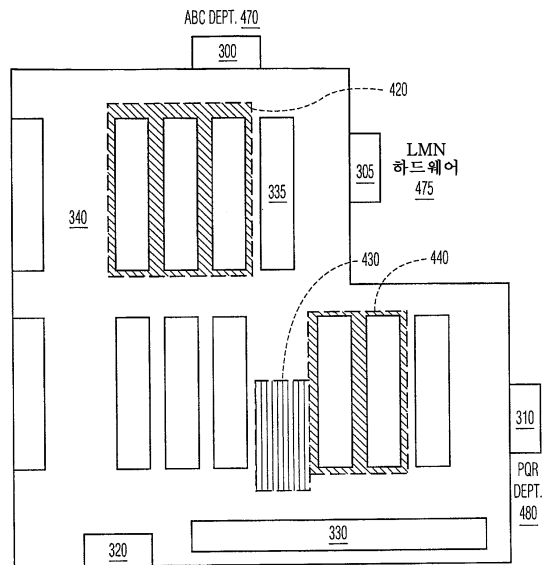
8



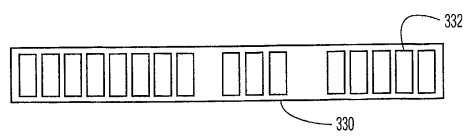
9



10



10a



11

