

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl. <sup>7</sup>  
G01S 5/00

(11)  
(43)

2001 - 0082067  
2001 08 29

(21) 10 - 2001 - 0006099  
(22) 2001 02 08

(30) 2000 - 034413 2000 02 14 (JP)

(71) 가 가

1 1 1

(72) 1가 가  
1가 가  
1가 가  
1가 가

(74)

:

(54)

(同期)

(Global Positioning System; GPS)(101)  
(Universal Time Coordinated; UTC)  
(serial) (102) ,  
(104)

UTC  
(103)

1

GPS, , ,

1 (同期)

2 1 6

3 1 6

4 1 4

5 3 4

6 1 5 (back - up)

101 : GPS 102 : GPS

103 : 104 :

105 : 106 : (serial)

107 : 201 : UTC

202 : UTC 203 :

204 : 301 :

302 : (先頭) 303 :

304 : m 305 :

306 : m 307 :

308 : 401 :



2 , GPS UTC UTC  
가 . ,

3 UTC UTC (抽出) .  
, m  
, 가 ,  
, GPS , 가 GPS  
,

3 , (秒) (order) , UTC  
, m GPS , m 가 .

4 ,  
가 ,  
4 , , 가 .

5 , GPS , 가 ,  
GPS .

5 , GPS 가  
가 , GPS 가 .

6 , , GPS  
,

6 , 가  
, 가

1 tem; , GPS )(101), GPS (102), 1 , (Global Positioning Sys  
(106) (107) (103), (104)가 (105)  
GPS (102) (106) , GPS(101)  
(103) (107) (106) (103)  
(104)

2 GPS (102) UTC (201) , UTC  
(202) (103) (204)

2 , GPS (102) UTC (201) , UTC  
(202)가 (105) (106) (103) (104)  
(103) (203) (204)

(107)

3 (103) (203) 3 , GPS  
(102) UTC (201) UTC (202) (203)  
(204) 가

4 (103) (204) (104)  
(103) (103) (204) (1  
04) (302) (303) (301) (302)  
m (304) m (306) (303)  
(305) (307) , UTC (308)

5 (104) 5  
(302) (401) , m (3  
06) (402) (403)  
(404)

(404) 가 (瞬時)  
粗) (405) , 가 m UTC (粗)  
(微) (406)

6 (103) 6 , , GPS (102) UTC  
(201) UTC (202) (103)  
UTC (201) UTC (202) (203)  
(204)

GPS (異常)  
(103) (水晶) (501) UTC (201)  
(內作) (502) , (103) (自走) (503)  
(203) (204)

01) , 1 1 3 . GPS(1  
GPS (102) , UTC (201) (105) , UTC  
(202) (106) (103) (103) GPS  
(102) (104) (107)

GPS (204)가 (103) (104) (104)  
UTC (104) (308) (104)

가 , GPS , UTC  
가 가 ,

가가 .

2 . GPS 1 4 . UTC (201) UTC (202)  
 (203) , (102) (104) 1 .  
 , GPS UTC UTC  
 가 . ,

3 1 5 . m (302) (303)  
 . (104) (204) (307) . ,  
 , (303) (303) m (306) , (302) (源)  
 (401) , (402)

, (401) (402) (403)  
 , (404) m (306) (402)  
 , (302) (401) (402)

S (102) (401) (402) m (306) GP  
 . (303) m UTC  
 , m GPS  
 m , UTC  
 가 .

4 1 5 . (401) (402)  
 . , 3 , (104) (404) (粗)  
 (403) , (404) ,  
 (405) (微) (406) ,

, , 가 .

5 1 3, 6 . GPS (102) UTC GPS (201) UTC  
 . GPS , (103) (103) UTC (202)  
 (202)가 (503) (103) (501) UTC  
 (201) (502) , (203) (301) ,  
 (104) .

GPS , GPS 가 , 가  
 , GPS 가 . , 가  
 6 1 5 . (103) (301)  
 , (104) (104) (303) (308)  
 (104) (402) ,  
 , 가 가 , ,  
 가 . , 가 ,

1 μs , , 1ms , ±  
 GPS ,

(57)

1.

(Global Positioning System; GPS) , (Universal  
 Time Coordinated; UTC) (serial)  
 , UTC ,

2.

1

UTC

3.

2

UTC

4.

3 ,

, 가 ,

5.

1 ,

가 GPS ,

, GPS ,

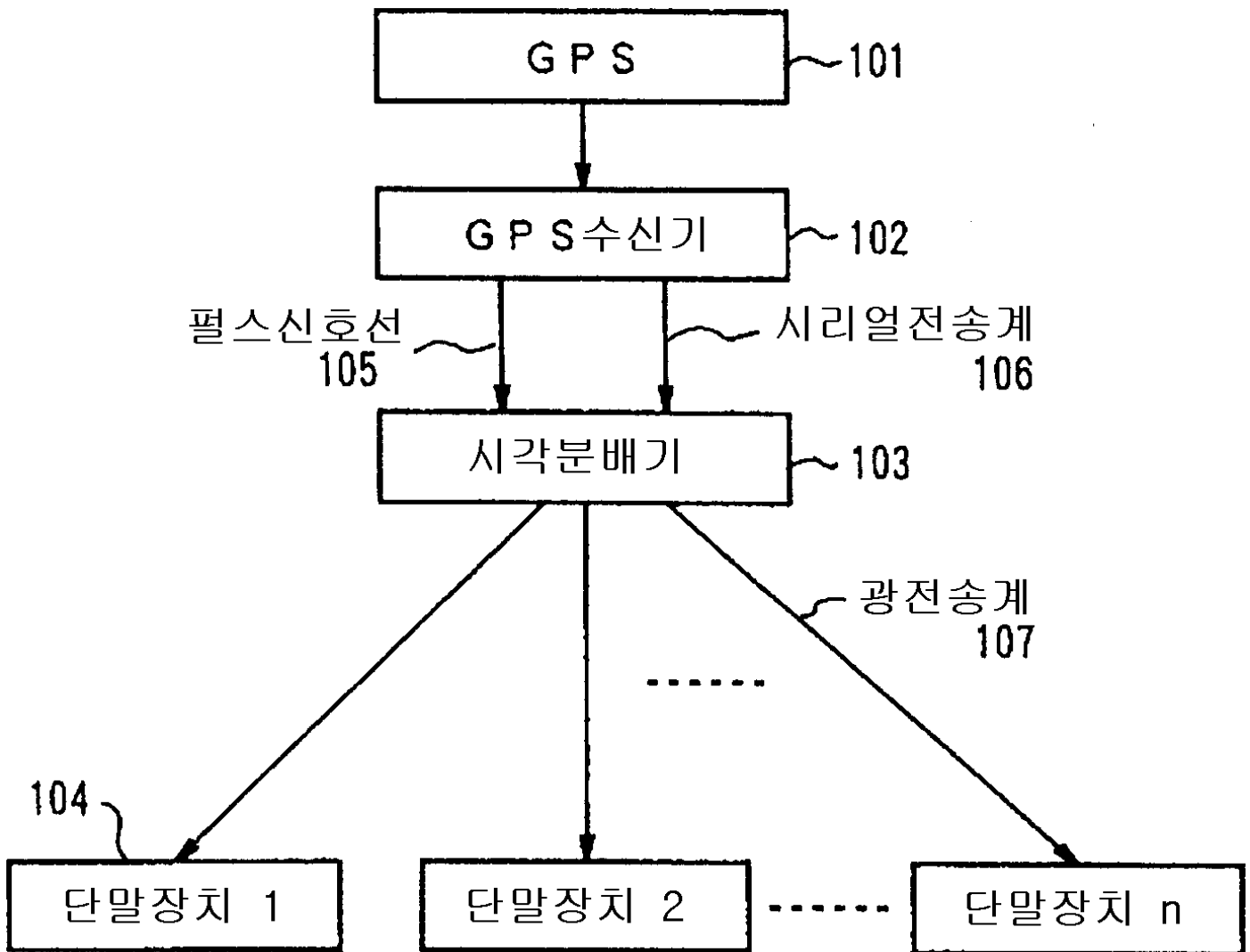
6.

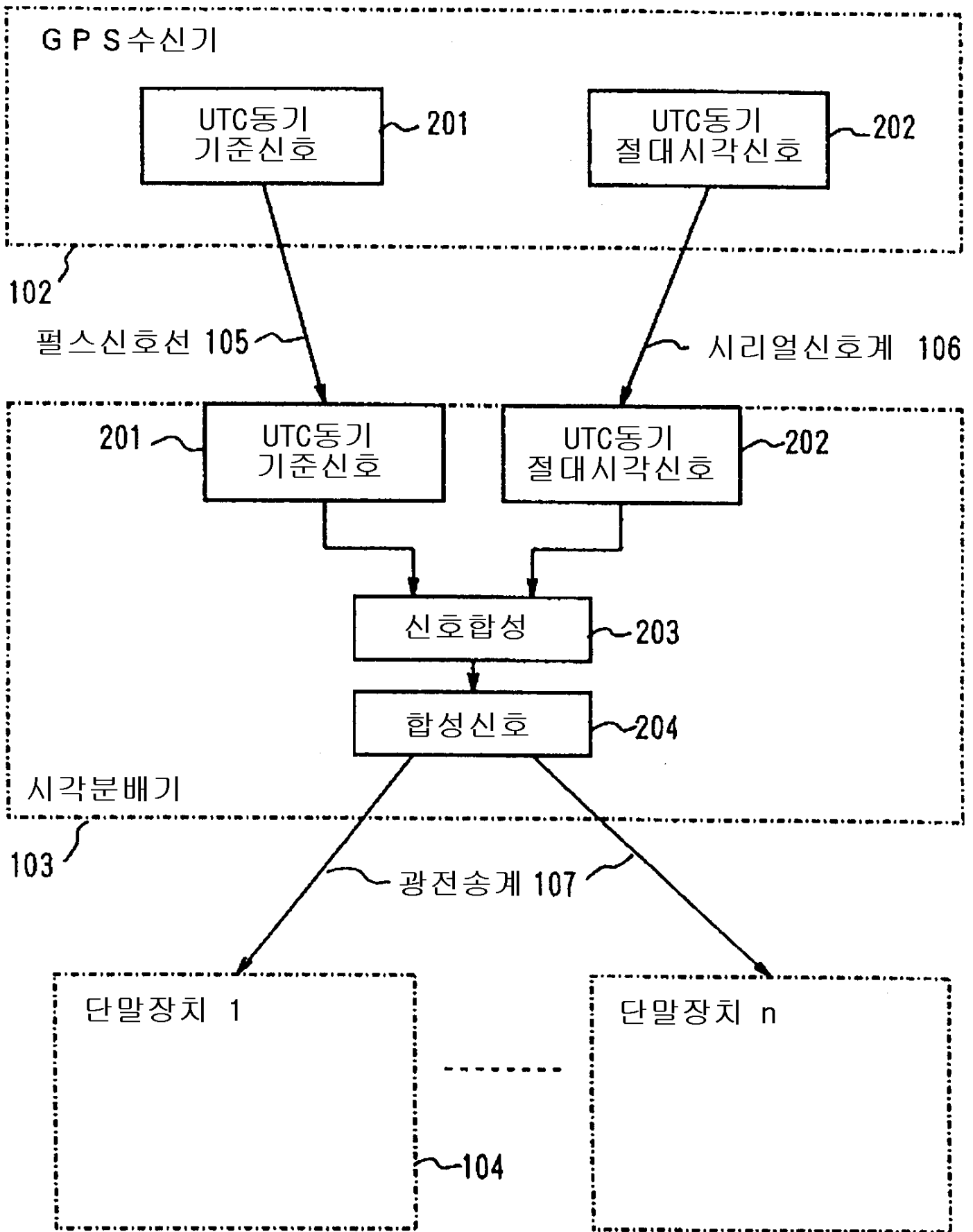
1 ,

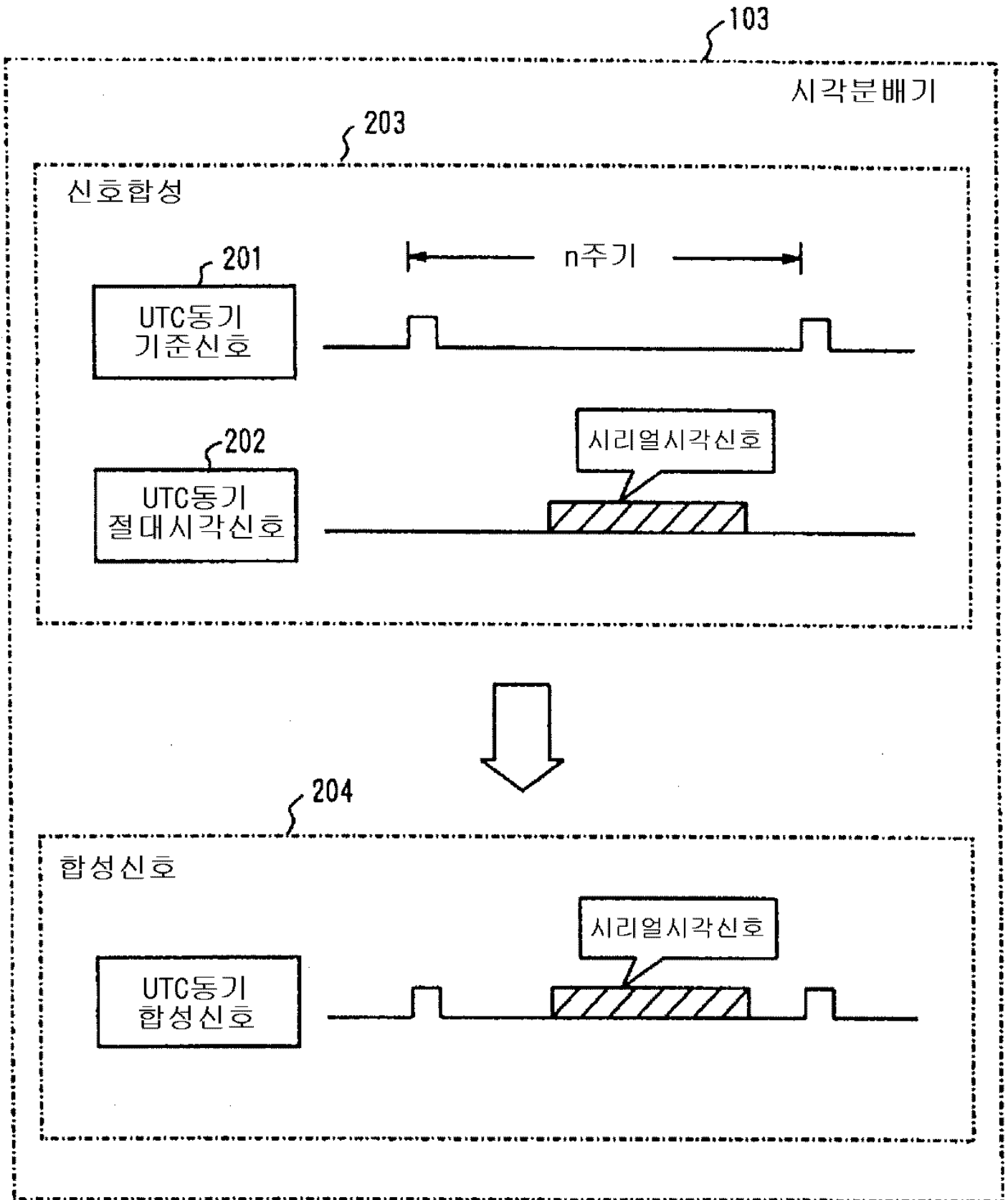
,

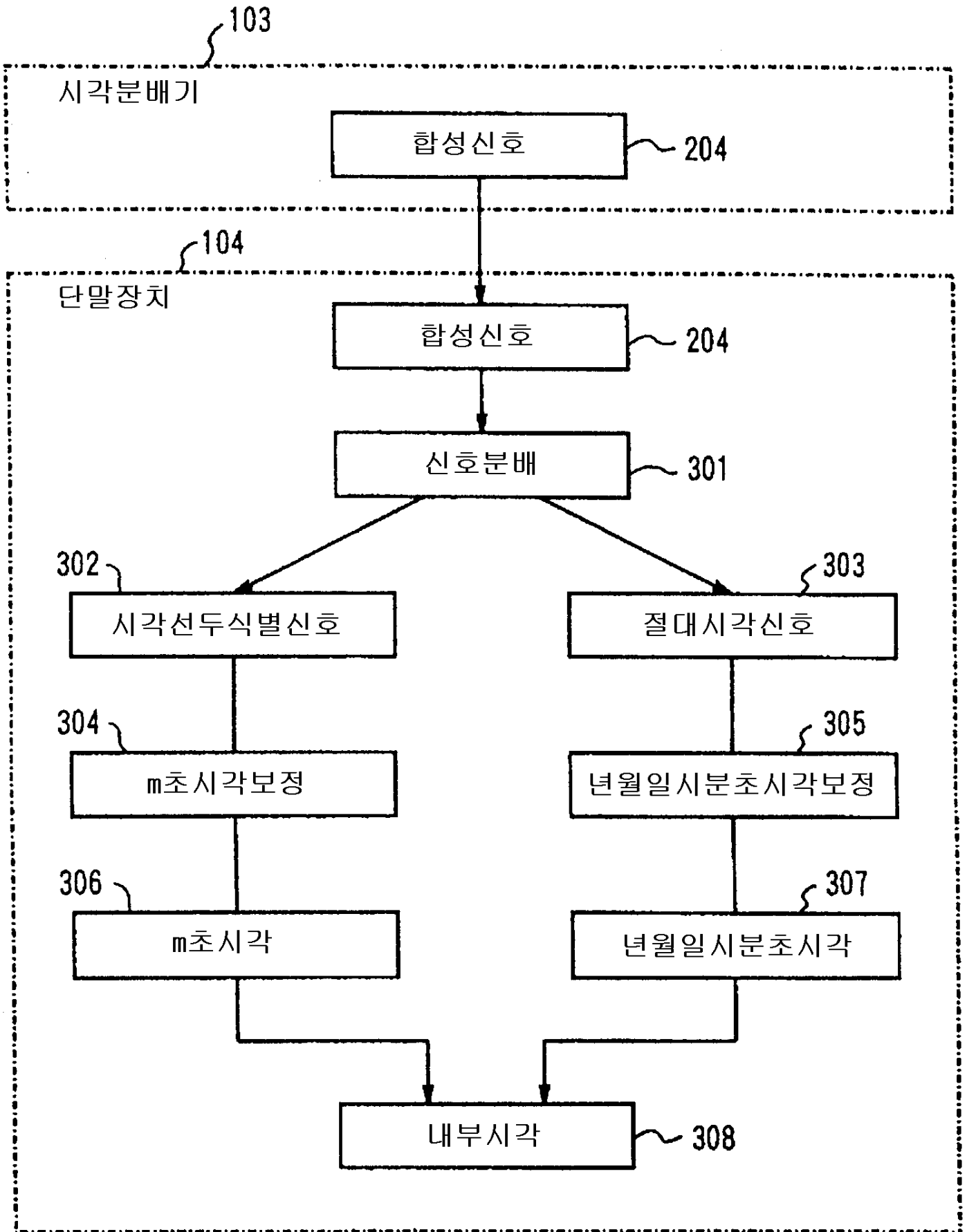


1









5

