

(19)
(12)

(KR)
(B1)

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10-0467587
2005 01 13

(21) 10-2002-0031991
(22) 2002 06 07

(65)
(43)

10-2003-0094727
2003 12 18

(73) 416

(72) 402 1003

(74)
:

(54)

가

1

1		
2	1	10
3	1	12
4		
5	4	2
6	4	

가

가

가

() /

1

2

1

(10) 12) (LIU:Line Interface Unit)() (dial tone) () ()

(10) . 가

2 1 가 10 가 (10A) (30 38) (30) . ()

30 , 30 가 (32) . (34) . ,

34 'check line' 가 가 (36) . , 34 () (38) . 가

10 (12) . , (tone) 1100Hz, 2100Hz

3 1 12 (12A)
(50 64)
(50). 50 가 () (5
2).
52 가 (54).
-43dBm가 가 가 (56).
가 (62).
(write) (read)
가
(58).
(64).
1 62
가 (58). 가
(64).
(60). 58
() 'check modem'
가
10 12
1 10 12
4 (82), 1 2 (84 86), (88), (80),
(92) (94)
IN1 가 (80) 32 1 (84)
34 1 (84) (80)
(80) (94) 1 (84)
36 38 1 (84) 가
(84) OUT1 (84) 1
1 (84) OUT1
1 50 (88) (88) OUT2
(88) 가 (82) 52
(82) 2 (86) 54, 56 58
(82) (88) IN2 (82)
2 (86) 2 (86) (82)
(88)
(94) (86) (86A) 1
5 4 2 (110), 2 (112) (114)
5 2 (86A) 1 (110) 54 IN3
1 (C1) 2 (112)

56 IN4 , 2 (112) 1 (110) 1 (C1) ,
 (88) 2 (C2) (114) IN3 , 2
 (112) 1 (C1) ,
 58 (112) 2 , (114) 1 (110) 1 (C1) 2 OUT3
 (C2) (114) 1 (110) 1 (C1) (112)
 2 (C2) , 가 ,
 , 60 64 , (94) 2 (86) ,
 OUT1 OUT3 (94) 2 (86) , 2
 60 64 OUT1 60 (86) 64 OUT1 , 2
 (86) 62 OUT1 , (92)
 (92) 5 2 (112) 2 (C2) ,
 가 (112) 2 (C2) (86) ,
 (92) 2 (112) 2 (C2) 가 , 2
 (86) 가 (114) (92) ,
 OUT3 (114) (92) ,
 OUT3 ,
 82) 2 4 (80), 1 (84), (88), (,
 (90) (86) (90) (92) / (94)
 (90) 4 , 4 (130) (132)
 6 4 , (132) 4 (90) (130) (170), (172), (Z1 Z2),
 (C1 C2), (R1 R2), 1 2 (174 176), (180) (DC) (feeding) (182)
) (180) , DC (182) 6 가 가
 , DC (182)
 가 (180) , (170) (132) (132)
 (180) (172) 6 (132)
 (Z1 Z2) (R1 R2)
 (C1 C2) (Tx) , 1 (, 1)(174) (132)
 (132) , 2 (,)
 2)(176) 10 가 , 6 (Rx) (132) (Rx) 1 (30
) , , 1 (150) (132) (Rx) 가 (150)
 , 2 (152) (132) (Tx) (132) (132) 가 가
 , 52 , 6 (MUX)()
 1, 2 3 (150, 152 154) (MUX)()

(nonsense)

(call)

(57)

1.

(a)
(b)

2.

1 (a)
(a1) ;
(a2) 가 ;
(a3) , 가

3.

2 (a)
(a3) , ;

4.

1 (b)
(b1) ;
(b2) 가 ;
(b3) 가 ;
(b4) 가 가 ;
(b5) 가 가 ;

5.

4 (b) 가 , ;
(b5)

6.

4 가 , ;
(b5) 가 , ;

7.

1 , ;
1 ;
2 ;

8.

7 , 2

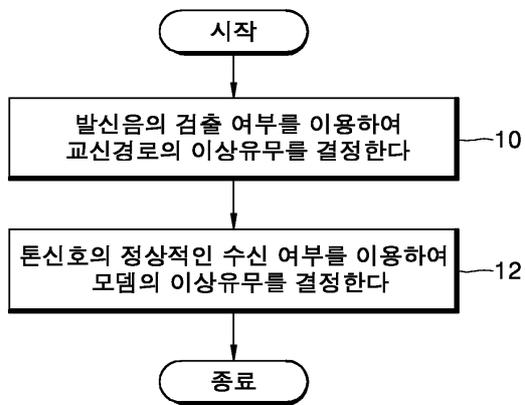
9.

7 , 2 , 1 1 ;
1 , 2 ;

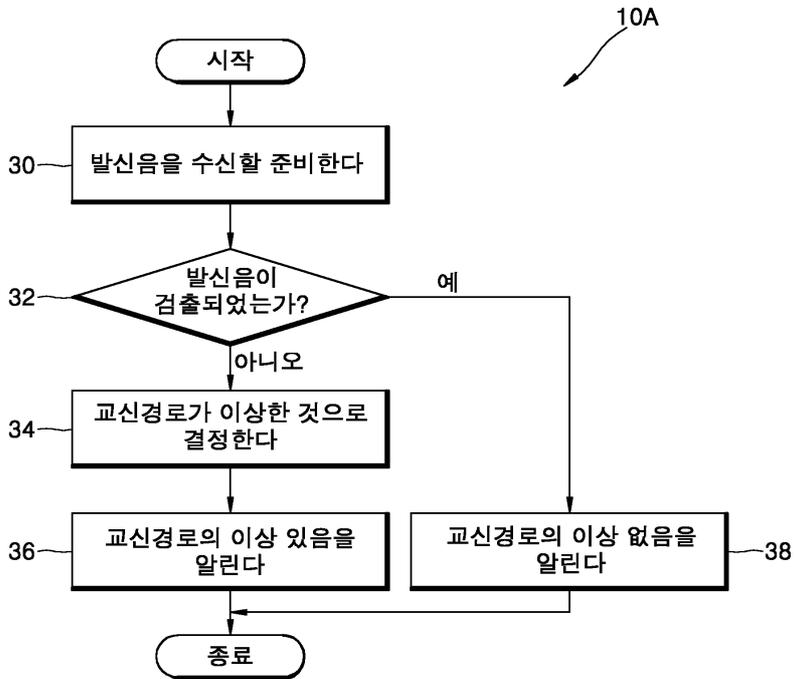
1 2
10.
9
2
11.
7
2

가

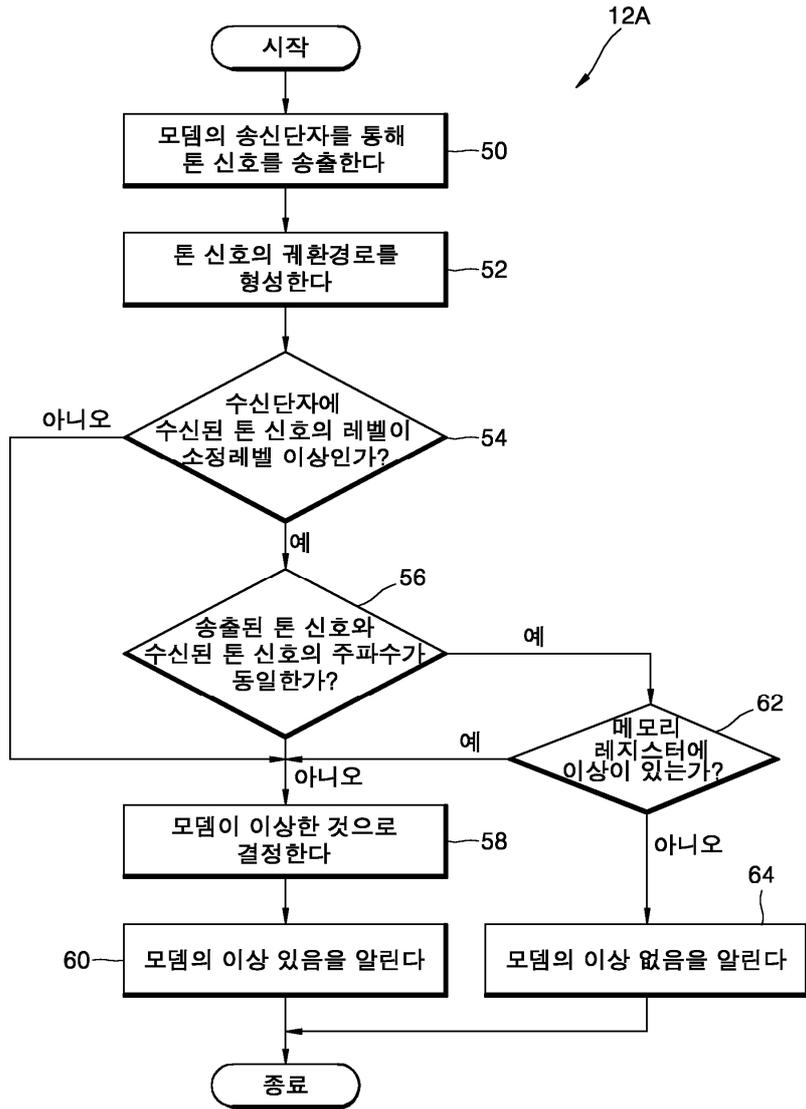
1



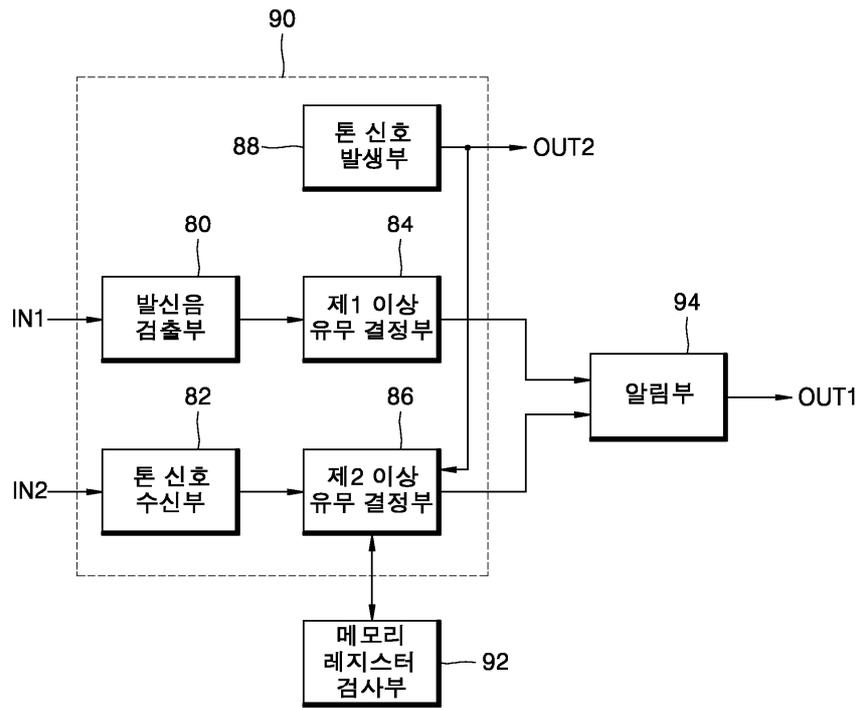
2



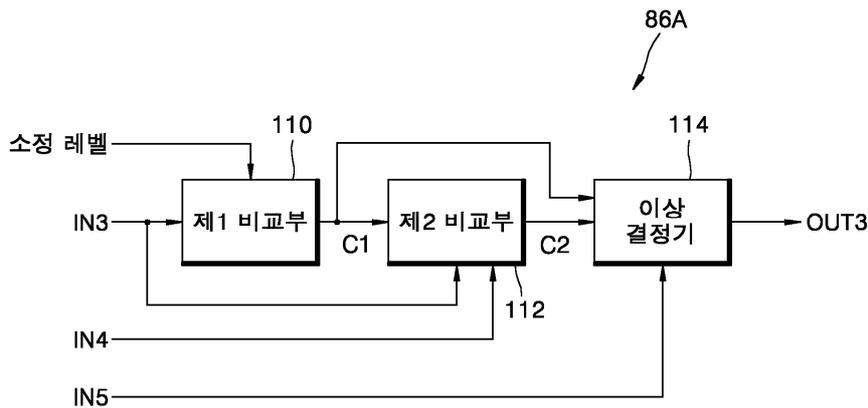
3



4



5



6

