

1

2

3 FSK

4 AM

5

6 1

7 2

8 3

\*

1 :            2 :            3 :            /

4 :            /            6 :            7 :

21 :            22 :            23 :

가

:1998.11.5.), 1998 - 014503 ( 1998 - 072347 ( :1998.11.5), 1998 - 073533 ( :1998.5.25.)) ( ) 가  
 가  
 ( 92 - 2689 ( :1992.3.31.), 92 - 11065 ( :1992. 12.26), (P  
 96 - 2844 ( :1996.2.26.)) (ASK), (FSK), (P  
 SK)  
 가

/

1 / (3) (1)  
 (2) (6),  
 (7) / (4) (1)

2 (22), (21), (23)  
 (2) / (3) (6) (7) (4) (21) / (3)  
 1) (2) (23) (22) /  
 (3)

가 FSK  
 가 ASK  
 (22) (21) /  
 (3) 가 (23) (21) (21)  
 / (3) (6) (7) (21)  
 (22) (21)  
 / (3) (6) (7)  
 2 3 5

1) / (3) 3 (FSK) (2)  
 (1) (1) (1) (50/60 Hz) (4)  
 (4) (23) (1) (1) (23) (FSK) /  
 (1) (21) (22) / (3)  
 (22) / 가  
 4 (AM) (1) / (4)  
 (1) AM (SSB - SC)  
 가 (22) (Zero) 가 (0± , /4) , AM F  
 SK FSK (1)

Hidden Markov Model) , HMM Feature Vector HMM(H  
 가 , HMM Time - Varying Spectrum HMM  
 HMM HMM

1 6  
 (601) ON, OFF  
 (602)  
 ( 603) (604) (601) 가  
 (604)  
 (601) (605)  
 (606) (605) ( #1, #4, #8 )  
 ON (607) (601)  
 가 , (606)

2 7  
 (701) ON, OFF  
 (702)  
 ( 703) (704) (701) 가

(706) (701) (704) (705)

3 (801) ON, OFF 8

(803) (804) (801) 가

(808) (804) (805)

(806) (805) (807) ( #1, #4, #8 )

(801) ON 가 , (806) (808)

(809)

가 /

- (57)
1.
 

(4) (22), (23) (2) (2), / (3), /

(6) (7) (3) / (3)

(3) (23) (22) /

(21)
  2.
 

1 / (3) (22)

(6) (22) (21)

/
  - 3.

1 가 FSK 가 ASK / AM FM

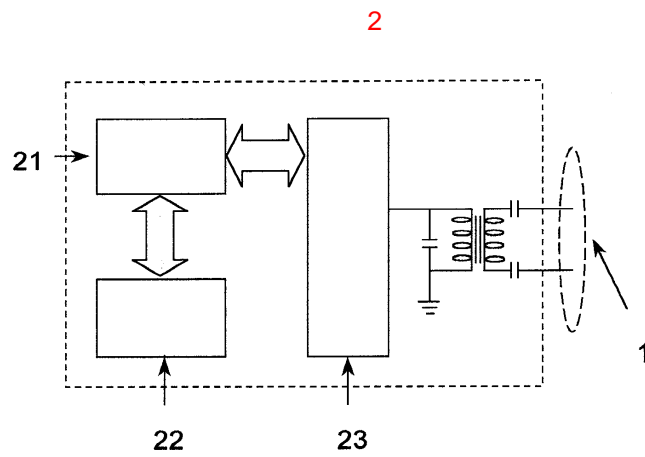
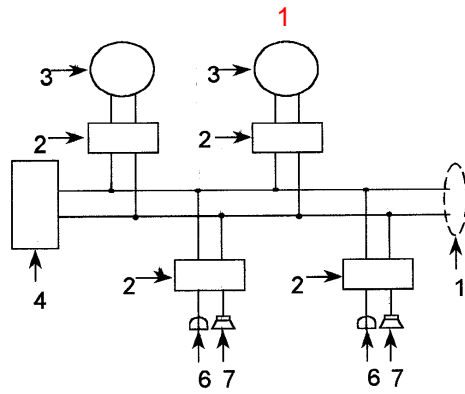
4.

1 (0± , < /4) (1) (22) (1) (zero)

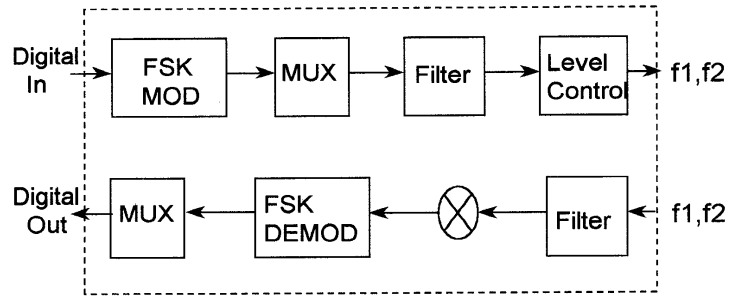
5.

1 / (3) (22) / (4)

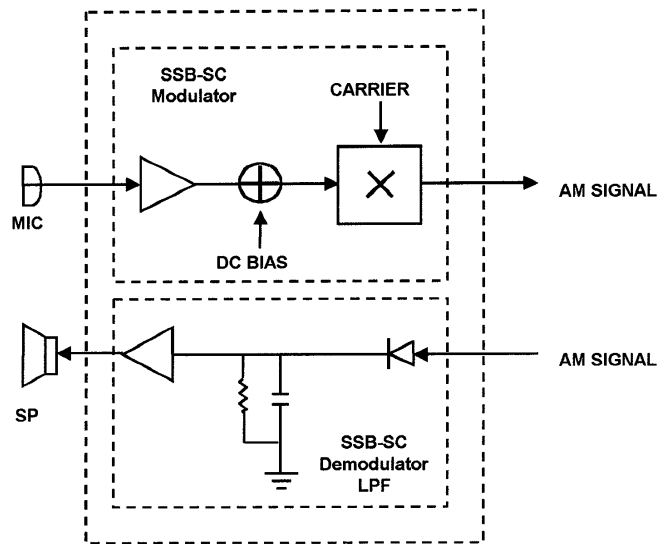
(22)



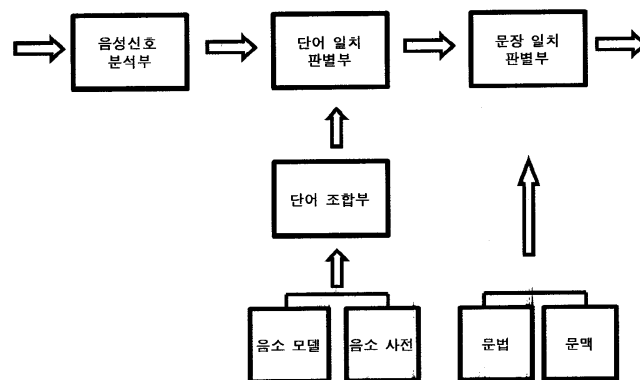
3



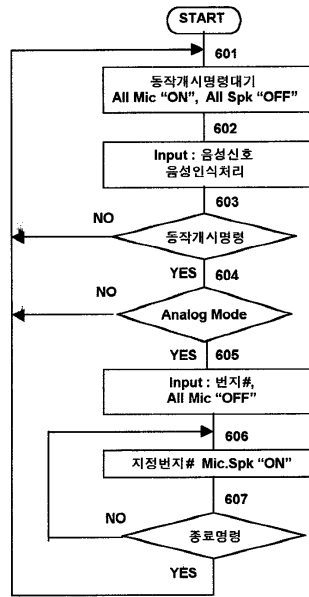
4



5



6



7

