

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. 7
H04N 5/50

(45)
(11)
(24)

2002 12 05
10 - 0363168
2002 11 19

(21) 10 - 2000 - 0055478
(22) 2000 09 21

(65) 2002 - 0022915
(43) 2002 03 28

(73) 3 416

(72) 4 810 2 3 1006

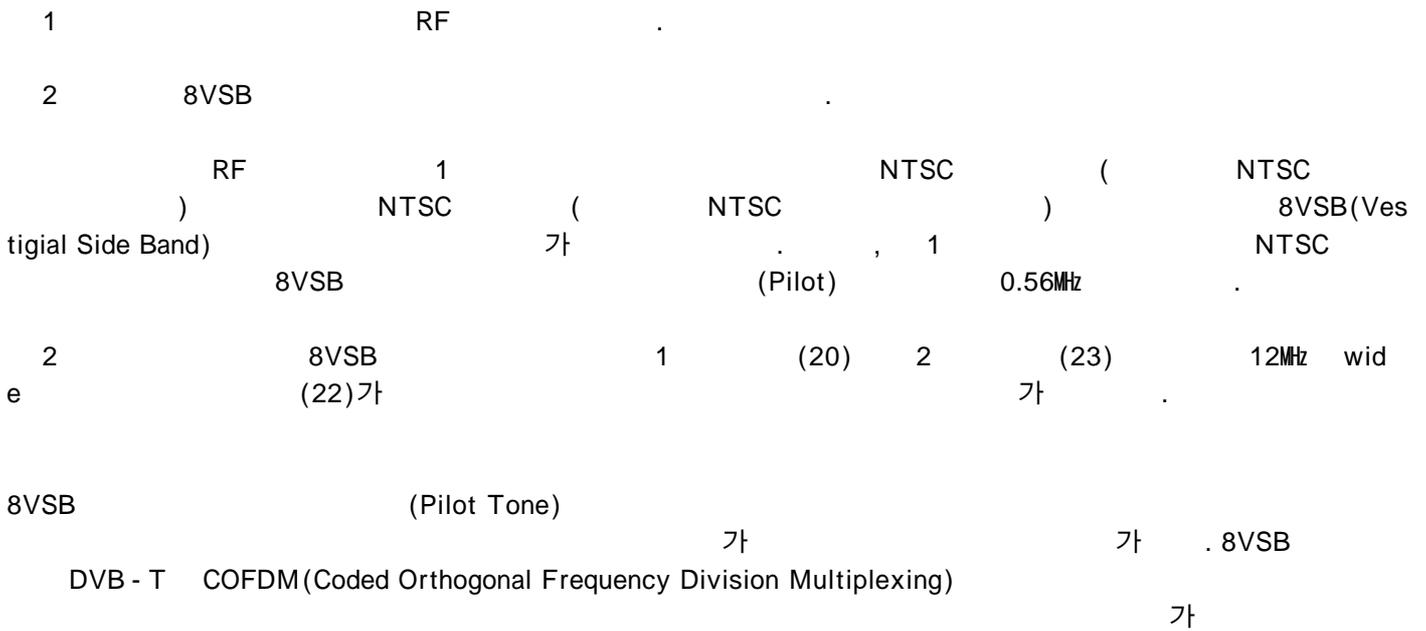
(74)
:

(54)

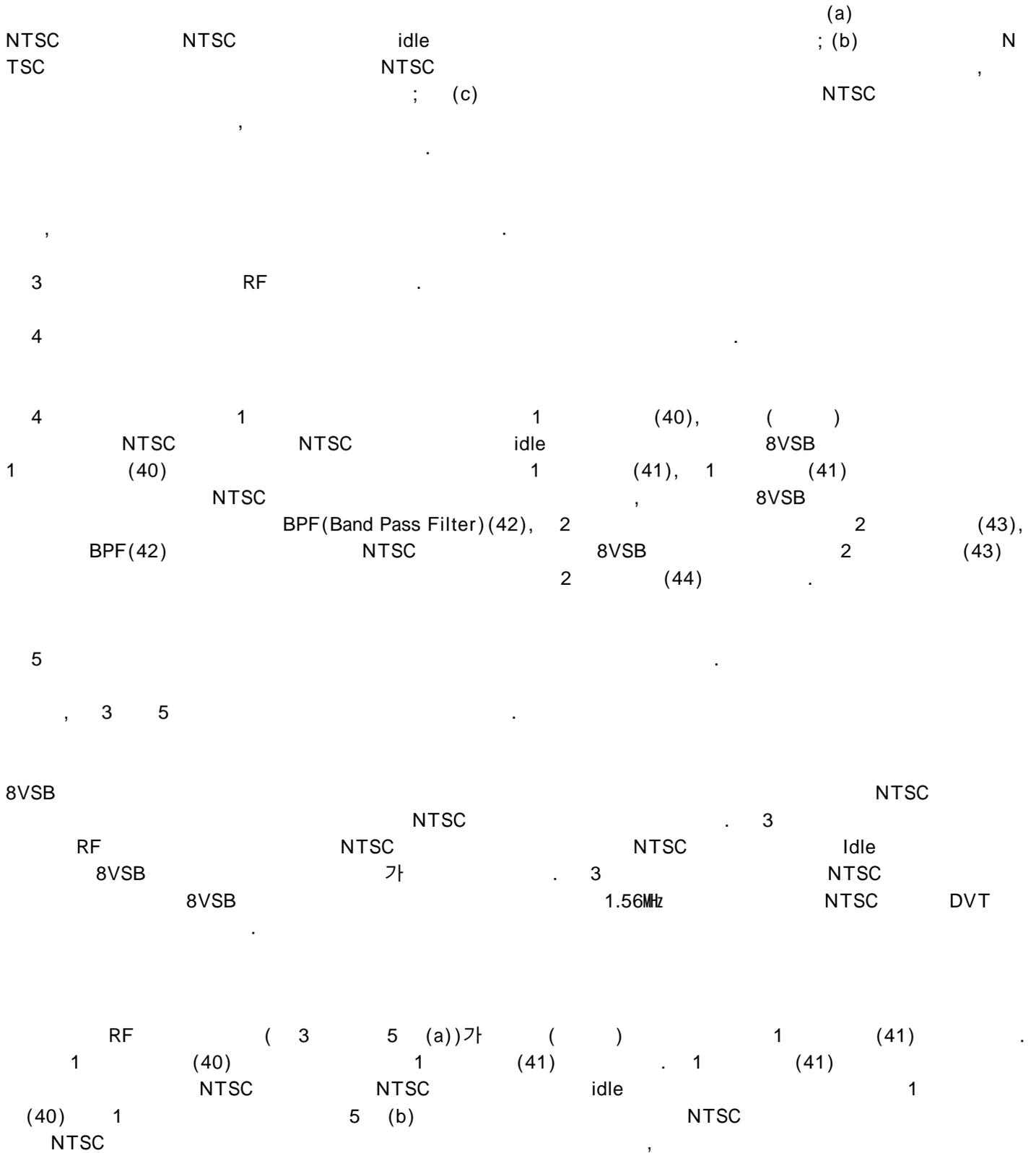
idle , RF
 NTSC NTSC NTSC
 SC 1 , 1 NT NT
 NTSC ,
 2 , RF 가
 NTSC DVT

- 1 RF
- 2 8VSB
- 3 RF
- 4
- 5

RF



NTSC 가
 kHz
 1.5MHz sweeping
 VSB NTSC AFT AFT 1 8
 NTSC 2
 1 (20) 2 (13)
 8VSB NTSC 7dB 가
 1.25MHz , NTSC 8VSB
 가 (Notch Filter)() IF NTSC 47.25MHz
 가 wide 가
 COFDM 8VSB (Indoor) 8VSB가
 (가 가 1)
 가 8VSB
 VSB () 가
 8VSB 8VS
 B
 8VSB
 NTSC NTSC NTSC idle NTSC 1 ; 1
 , NTSC ;
 NTSC ;
 NTSC 2



BPF(42) 1 (41) BPF(42)
 NTSC 8VSB 가 1 (41) 5 (c)
 VSB 가 가 BPF(42) 가
 VSB 가 가 NTSC NTSC
 가 가 VSB () N
 TSC (SAW: Surface Acoustic Wave) ()

BPF(42) 5 (c) 2 (44) 2 (43) 2
 2 (44) 2 (44) BPF(42) 2
 8VSB (IF: Intermediate Frequency)
 가

C DVT 가 , RF 가 DTV , NTSC NTS
 가 AFT 8VSB 가 VSB 가
 가 가 (Locking Time) 가

(57)

1.

NTSC NTSC NTSC idle NTSC
 NTSC

1

;

1

NTSC

;

NTSC

2

2.

1

3.

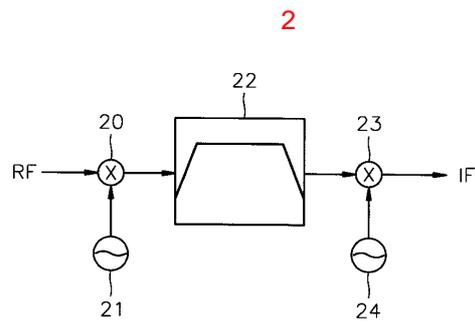
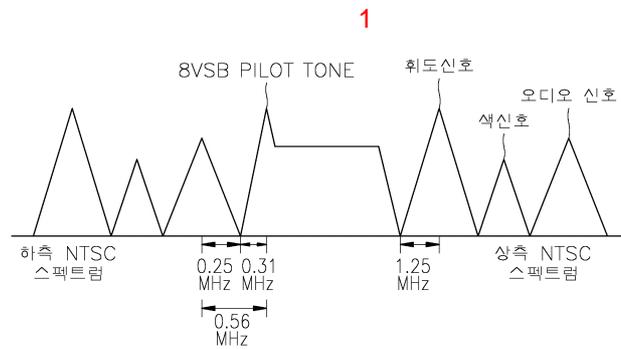
(a) NTSC NTSC idle ;

(b) NTSC NTSC ;

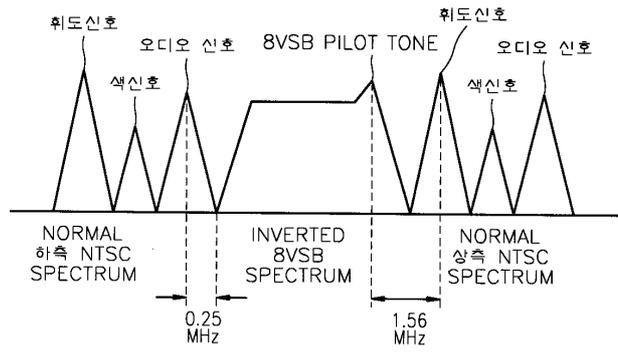
(c) NTSC ,

4.

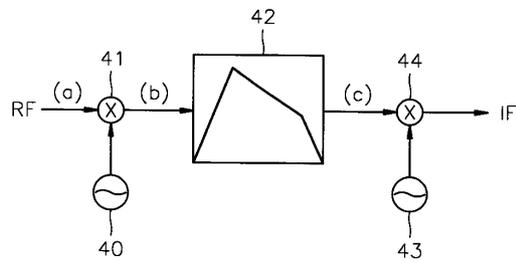
3 , (c)



3



4



5

