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(54)

DECT , , DECT /

DECT ADPCM , DECT , RF , DECT /

/ , / , ,

PSCN ,

/ / , DECT DECT 가 DECT

PSCN, , DECT

3

1 DECT

2 DECT

3 DECT

4 DECT 가 DECT

5 DECT 가 DECT

6 DECT 가 DECT

7 DECT 가 DECT /

8 DECT 가 DECT BMC

9 DECT 가 DECT BMC

10 DECT 가 DECT BMC

<

110... 111...

112... 120... DECT

130_1, 130_2, 130_3...

140_1, 140_2, 140_3, 140_4...

200, 300... 205, 310...

210_1, 210_2, 210_3, ..., 210_n...

220_1, 220_2, 220_3, ..., 220_n... /

230_1, 230_2, 230_3, ..., 230_n...

240_1, 240_2, 240_3, ..., 240_n...

250, 370... 260, 390...

270, 395...

320_1, 320_2, 320_3, ..., 320_n...

330_1, 330_2, 330_3, ..., 330_n... /

340_1, 340_2, 340_3, ..., 340_n...

350... 360...

380_1, 380_2, 380_3, ..., 380_n...

410...

420, 430...

440... 421, 431, 441...

422, 432, 442...

(DECT:Digital European Cordless Telecommunication)

DECT , DECT DECT (b
 oard)가 DECT (bit)/ (slot)/ (frame) , (PS
 CN:Primary Scanning Carrier Number) (multiframe) , DECT

1 DECT . 1 , DECT
 (PSTN:Public Switched Telephone Network)(110) (ISDN:Integrated Serv
 ice Digital Network)(111) , (keyset)(112) (140_1, 140
 _2, 140_3, 140_4) (interface) DECT (PABX :Private Automatic Branch Exchang
 e) (120) , DECT (120) (WTIB:Wireless Terminal Interface Boa
 rd) , DECT (120) (RF module)
 , RF WTIB (130_1, 130_2, 130_3) ,
 (130_1, 130_2, 130_3) / (140_1, 140_2, 140_3, 140_4)

, 1 (140_1)가 1 (130_1) 2 (130_2) (handover)
 , (130_1)(130_2) 가 , PSCN
 .
 , PSCN (130_1, 130_2, 130_3) (140_1, 140_2, 140_3, 140_4)
 , (scanning) DECT , 1.88GHz~1.90GHz
 #0 #9 가 , .
 , (130_1, 130_2, 130_3, 130_4) DECT
 (130_1, 130_2, 130_3) PSCN (140_1, 140_2, 140_3, 140_4)
 .
 , , (multiframe number) (key)
 , (140_1, 140_2, 140_3, 140_4)가 (130_1, 130_2, 130_3)
 가 .
 , 2 DECT .
 2 , DECT (200) (highway)
 (PCM:Pulse Code Modulation) (back plane) (205)
 , DECT (BMC:Burst Mode Controller)(210_1, 210_2, 210_3, ..., 210_n) ,
 210_n) , (210_1, 210_2, 210_3, ..., 210_n) DECT RF
 / / (220_1, 220_2, 220_3, ..., 220_n) , (240_1, 240_2, 2
 40_3, ..., 240_n) (230_1, 230_2, 230_3, ..., 230_n) , DECT 가
 (150) , (260)
 (270) .
 , DECT (200)
 , / 가 (205) .
 , (205) DECT G.726 32Kbps ADPCM(Adaptive Differe
 ntial Pulse Code Modulation) , ADPCM (210_1, 210_
 2, 210_3, ..., 210_n) .
 , (210_1, 210_2, 210_3, ..., 210_n) DECT 10ms
 (Time slot) DECT 10ms 80frame 320bit ADPCM /
 (220_1, 220_2, 220_3, ..., 220_n) , (230_1, 230_2, 230_3, ...,
 230_n) (240_1, 240_2, 240_3, ..., 240_n) , .
 , (210_1, 210_2, 210_3, ..., 210_n) , (210_1, 210_2, 210
 _3, ..., 210_n) (250) (210_1,
 210_2, 210_3, ..., 210_n) (210_1) (master) ,
 (210_2, 210_3, ..., 210_n) (slave) .
 , (210_1) (SYNCPOR T Signal)
 (210_2, 210_3, ..., 210_n) .

, (210_1, 210_2, 210_3, ..., 210_n) DECT / /
 , (250) (210_1, 210_2, 210_3, ..., 210_n)
 , PSCN , (240_1, 240_2, 240_3, ...,
 240_n)

, 가 PSCN ,
 , 가
 , DECT 가 ,
 , PSCN , 가

, DECT DECT 가 (access)
 , DECT 가 , DECT
 , 가

DECT DECT / / , DECT DECT 가
 DECT PSCN, , DECT

DECT ,
 DECT ADPCM
 ;

, DECT ;
 DECT , RF / / ;
 / , ;

(slave) , (master) (syncport) ,
 ;

(triggering) ; PSCN

, ,
 , DECT ,

- (a) 가 ;
 - (b) (a) , 가 , ;
 - (c) (PSCN) .
 , (i) (a) , 가 , ;
 - (j) (i) , / / ;
 - (k) ;
 - (l) (PSCN) .
 / / , DECT 가 DECT DECT PSCN, , DECT DECT
- 3 DECT .
- 3 , DECT (300) PCM , PCM DECT ADPCM (310) , (310) , DECT (320_1, 320_2, 320_3, ... 320_n) , RF / (320_1, 320_2, 320_3, ... 320_n) DECT , (330_1, 330_2, 330_3, ... 330_n) , / (330_1, 330_2, 3 30_3, ... 330_n) , (380_1, 380_2, 380_3, ... 380_n) (340_1, 340_2, 340_3, ... 340_n) , , (350) , PSCN (360) (370) .
- 390 , 395 .
- 4 DECT 가 DECT .
- 4 , DECT 가 DECT 가 PSCN (42 0, 430, 440) 가 .
 , (421, 431, 441) (422, 432, 442)
 , (420, 430, 440) (421, 431, 441) .

(440) (420, 430) / /

PSCN

DECT 가 DECT 5 6

5 DECT 5 DECT DECT 6 DECT DECT

5 #15 (high) (3 320_1, 320_2, 320_3, ..., 320_n) 가

PSCN (320_1, 320_2, 320_3, ..., 320_n)

#15 PSCN (Set Counter Request)가

가 (320_1, 320_2, 320_3, ..., 320_n)

(Preset Value) PSCN

(3 300) (370) (4 410)

(300)가

/

(high) (low)

(320_1, 320_2, 320_3, ..., 320_n)

(320_1, 320_2, 320_3, ..., 320_n)

(320_1, 320_2, 320_3, ..., 320_n)

320_n) / /

PSCN #0 3() 6 0가 3 800ms가 가 PSCN

0~9 0~15 10 16 80 10ms

800msec가

(LED) , 1.8

LED /

6 0 PSCN 3

LED

, 1.8ms

PSCN 3 PSCN #0 3+16

=19 0 PSCN 9

1.8 가 , 1.8

7 DECT 가 DECT /

7 , , 가 , , (BM_MFC_INF
 O_REQ: BMC Multiframe Number Information Request) . (BM_MFC_INFO_RES:BMC Multiframe
 Number Information Response).

BM_MFC_INFO_RES , PSCN , BM_SYNC_REQ , BM_SYNC_REQ
 , PSCN DECT (register setting) 가 1.8

DECT 8, 9 10 . 8 DECT 가
 가 DECT BMC , 9 DECT
 DECT 가 DECT BMC , 10

8 , /
 , 가 (801). ,
 801 , 가 DECT (802~ 805).

801 , 가 ,
 / / (806~ 807). ,
 (808). , Sync Read
 y Flag (809).

9 , 가 ,
 (interrupt) 가 (901). , Sync Ready Flag가
 (902)
 902 , Sync Ready Flag가 BM_SYNC_REQ Event (903),
 PSCN 9 ,
 15가 , DECT BMC (904~ 905).

902 , Sync Ready Flag가
 , DECT 가
 가 LED (BMC Interrupt S
 ervice Routine) 10 .

, 160ms (1001). DECT Multiframe Interrupt Service Routine #0가 PSCN 3 (1002).
 1002 , LED ,
 800ms 1.8 가 , LED가 (1003~ DECT 1006).
 , 1001 , PSCN 3 DECT (1006).
 , 1002 , 가 1005
 .

DECT 가 DECT DECT / / DECT PSCN,
 , DECT .

(57)

1.

(PCM) (ADPCM) (back plane) , (DECT)
 ;
 , DECT (BMC) ;
 DECT , (RF module) / /
 ;
 / , ;
 , (syncport) ,
 ;
 ;

DECT .

2.

1 , DECT .

3.

1 ,

DECT

4.

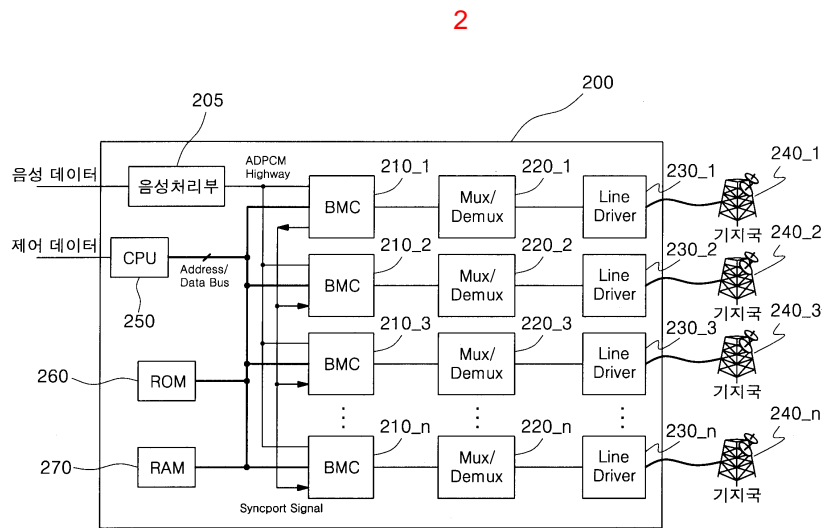
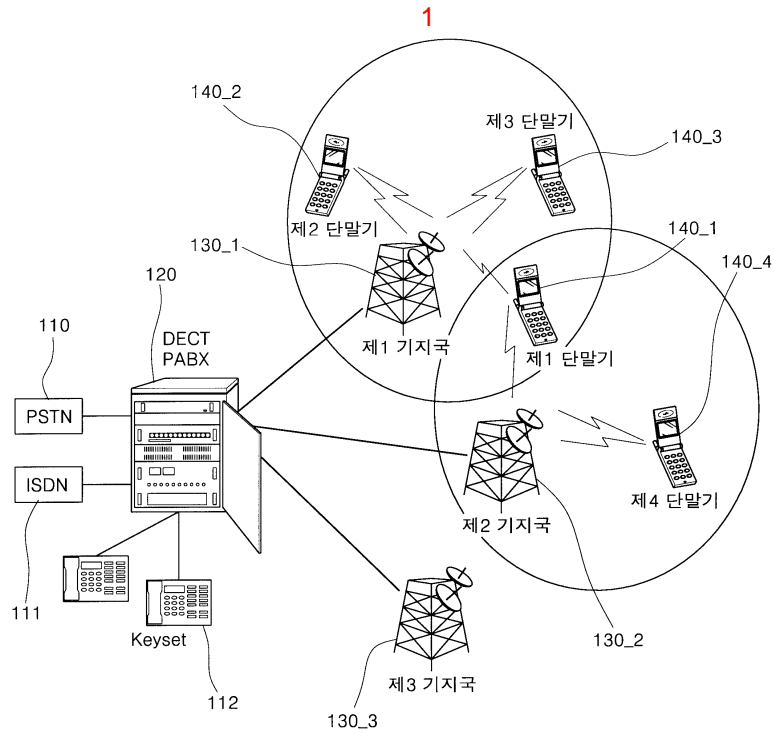
- (a) ;
- (b) (a) 가 , ;
- (c) / / ;
- (c) ;
- (d) DECT .

5.

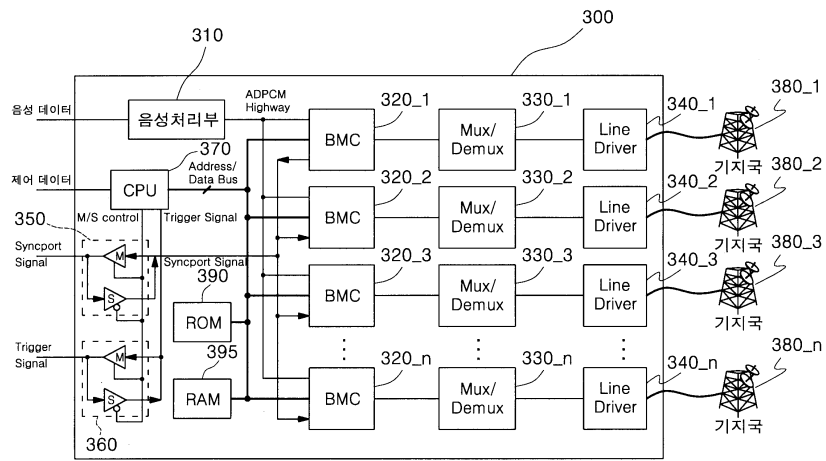
- 4 ,
- (i) (a) , 가 , ;
- (j) ;
- (k) DECT .

6.

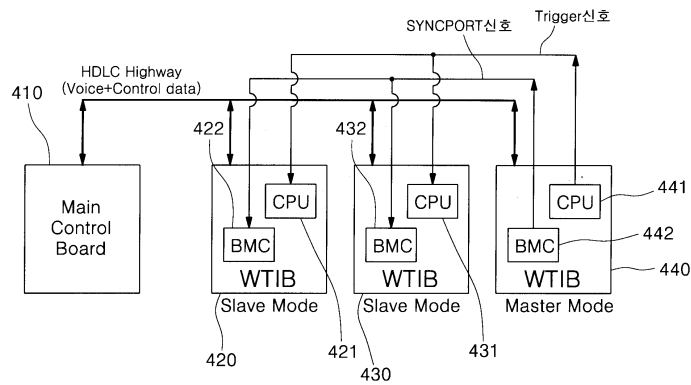
- 4 ,
- DECT . 가



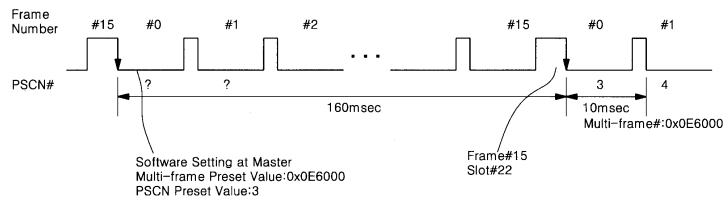
3



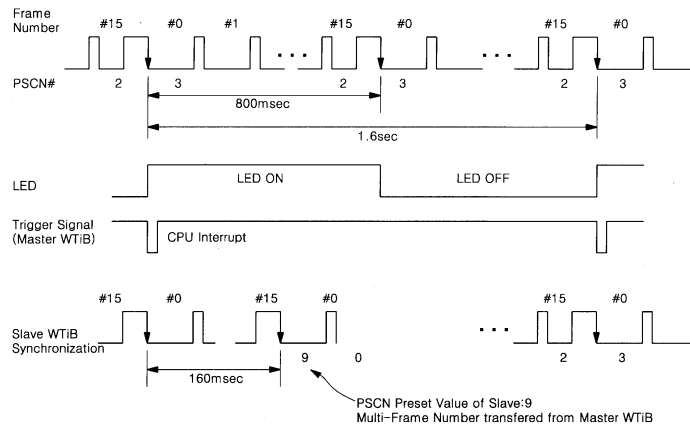
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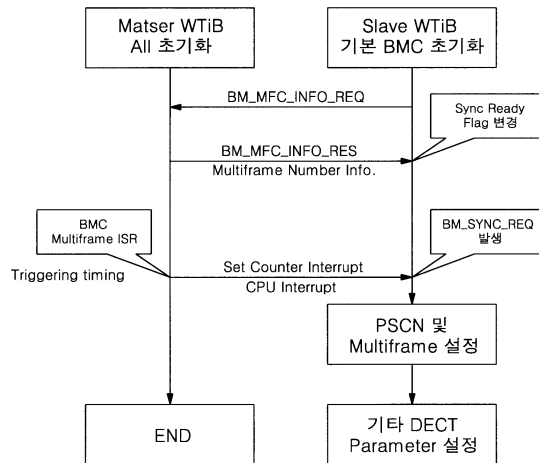
5



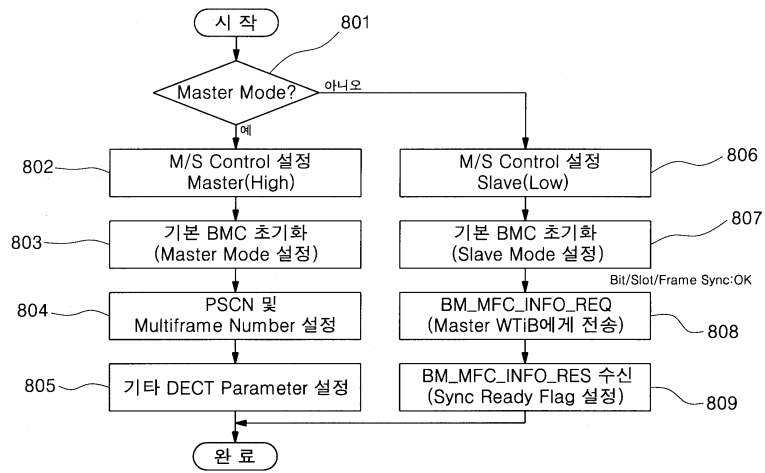
6



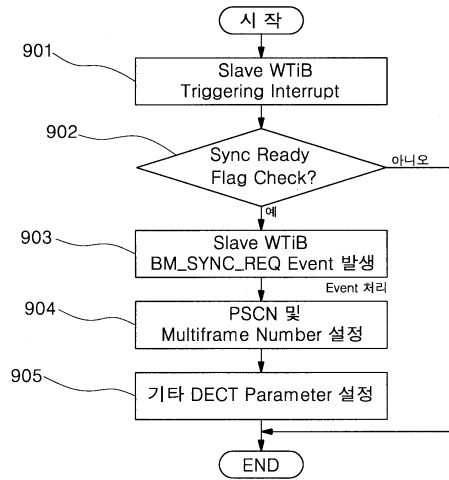
7



8



9



10

