

(19) (KR)
(12) (B1)

(51) 。 Int. Cl.⁷
G09G 3/36

(45)
(11)
(24)

2004 05 10
10-0430541
2004 04 26

(21)	10-2001-0016942	(65)	10-2002-0005397
(22)	2001 03 30	(43)	2002 01 17

(30)	2000-210686	2000 07 06	(JP)
	2000-379778	2000 12 08	(JP)

(73)	가 가 가	가	292
	가 가	가 4 6	

(72)	가 가 가	1099 가 가	
	가 가 가	1099 가 가	
	가 가	292 가 가 가	

3300 가 가

3300 가 가

(74)

:

(54)

, 가 (105); , (N-1)

N

N

(107); N

(109); 가 가

, , , ,

1		1		
2		1		
3a	3b			
4				
5		가	가	,
6		가		,
7				
8				
9a	9b			
10		1		
11		1		
12		2		
13		2	가	
14		2		
15		3		
16		4		
17			가	,
18		5		
19		5		
20		6		
21		6		
22		7		
23		7		
24		7		
25		7		
26		7		
27		7		
28a	28b		7	
29		7		
30		8		
31		8		
32		8		
33		9		
34		9		
35		9		
36		9		
37		10	2	
38		10	2	2
39		10		
40		10		
41		11		
42		11		
43a	43b		11	
44		11		
45a	45b		11	가
46		11		
47		12	가	
48		12		

(N-1) N
 , , 가 , ()
 , 가
 < 1 >
 1 1 2 1
 1 2 , (101) (102)
 (time-based) (103)
 가 / (104) 가
 (105) (106)
 (107), (row)
 (108), (worth)
 (109), (111), (110)
 (107) ()
 (107) , DVD , TV, VCR
 (107) (R), (G), (B)
 (111) , (110)
 (107) (106),
 (108),
 , 가 (109),
 R, G, B
 (105) (106) (101)
 (102) ,
 (103)
 (101)
 2 , (101) R, G, B
 가 가 (101)
 가 VCR (107) (106) , 가 DVD, TV
 2 A/D 가 A/D (107) A/D 가
 (102) 가 (102)
 (103) 1 1
 (103) l', 1 li
 (105) li (105)
 4 b , (124) , li가 c ,
) (, li가 , 4 (,
) a (103) li (127)
 (125) (124) , (104) l'
 가 () (126) l' 가 (109)
 , 가
 3 11 li가
 3a (103) 004 00
 1 (111) ,
 (112)

3b
001 가 001 , 002 1 . 003 001 002 가 ,
 , 001 . 005 가 004 , 003
 , 006 , 007 가 ,
가 , , 가 ,
 , 가 ,
 , 가 ,
 , 가 ,
 , 60% , y τ (,)
 ,

$$I = \int_0^T \exp(-\frac{t}{\tau}) dt = \Delta y \tau (1 - \exp(-\frac{T}{\tau}))$$

가 , $T \gg \tau$, $\exp(-T/\tau)$, 가
 , 1 2 .

$$I = \begin{cases} \Delta y \tau & \text{if } T \gg \tau \\ \Delta y \tau (1 - \exp(-\frac{T}{\tau})) & \text{else} \end{cases}$$

, $T \gg \tau$ 가 . 가
 , (3-10 , 1 16.7ms)
 , 7 , τ 1
 , 가 , 3
 4 2 , 1
 tf , (c-b) yi 2 .

$$\Delta y_i = \frac{I}{t_f} = \frac{\Delta y}{t_f}$$

3 yi , (121)가
(122) (122) (121) 001 , (123)
) (122) (125) , (121) , (126) (127) (124)
 , 5 6 , 5 6 ,
(131) 6 , 가 y , 5 , (131) 4
 .

$$y = f(l)$$

(131) $f^{-1}(y)$ (6 y')가 $y' + y_i$, l' l' 5 l'

$$\Delta l_i = f^{-1}(f(l') + \frac{\tau}{t_f}(f(l') - f(l))) - l'$$

k $f(l)$ 6 y

$$f(l) = kl^r$$

2b 5 6 (109) Δl_i 가 7 8- 0-255
255가 0 0 l_i 255

$$\Delta l_i = \begin{cases} -l' & \text{if } l'^r + \frac{\tau}{t_f}(l'^r - l^r) < 0 \\ 255 - l' & \text{else if } (l'^r + \frac{\tau}{t_f}(l'^r - l^r))^{\frac{1}{r}} > 255 \\ (l'^r + \frac{\tau}{t_f}(l'^r - l^r))^{\frac{1}{r}} - l' & \text{else} \end{cases}$$

7 7 τ 가 7
7 τ 가
10.0ms τ 16.3ms 28.6ms
7 τ 16.3ms 0.61-1.75
9a τ 8
b τ 9
1.8 - 2.2 τ 7 $l' y - l y$
16.3ms τ 16.7ms
R, G B τ 가 B
10 y 2.0 8 9 R, G B τ 가
li $y=2.0$ 가 7 8

$$\Delta l_i = \begin{cases} -l' & \text{if } l'^2 + \frac{r}{l'}(l'^2 - l^2) < 0 \\ 255 - l' & \text{else if } \sqrt{l'^2 + \frac{r}{l'}(l'^2 - l^2)} > 255 \\ \sqrt{l'^2 + \frac{r}{l'}(l'^2 - l^2)} - l' & \text{else} \end{cases}$$

가 127 , 가 25 (10) . 가 , 0 .
 가 159 , 가 25 , 가 95 , -50 ,
 가 223 , 가 31 , 0 , 255 , 32
 가 , -31
 가 , y 2.0 , 5
 6 (131) , 가
 5 6 , | y_i |
 (5 li).
 (6 li).
 , 10 , 가 ,
 , 11 , 11 ,
 (141) , (142)
 (144), (145), (146) 3
 11 , (147) (148) (141) (142) i (143)
 (149) 가 (146)
 가 , (149)가 (144)
 , (146) (149) (148) (150)
 2 (109) 가
 , (145) 가
 가 ,
 가 ,
 , PC PC ,
 < 2 >
 , 1 가 2 가 , 1
 가 , f(l) y=2.0 8 2 , 가 가
 , 2 ,
 2 TV , 1
 , 3 (45ms)
 , y) . 가 (가 -30% 10%
 , 1
 2 , y=1.0 , 7 , y=1.0 7
 , 9 , li

$$\Delta l_i = \begin{cases} -l' & \text{if } l' + \frac{r}{l'}(l' - l) < 0 \\ 255 - l' & \text{else if } l' + \frac{r}{l'}(l' - l) > 255 \\ \frac{r}{l'}(l' - l) & \text{else} \end{cases}$$

, 8 , 9 , li , 가
 12 9 , 가 , 가
 1 , 가
 < 3 , >
 2 , 가 , 가
 가 1.8 - 2.0
 (107) , 13
 14 , 가
 13 , l , l' , 14 , l'-l , 가
 2 , 9 , 가
 li , 13 , 14 , y , 1.8 - 2.2 ,
 (13 , yi)
 (14 , yi). , y , 9
 3 ,
 15 , 12 , 가
 , 가
 , 가
 , 10 , 가
 가 , α_r , α_f , 가 , 9

$$\Delta l_i = \begin{cases} -l' & \text{if } l' < l \text{ and } l' + \frac{\alpha_r}{l'}(l' - l) < 0 \\ \frac{\alpha_r}{l'}(l' - l) & \text{else if } l' < l \\ 255 - l' & \text{else if } l' \geq l \text{ and } l' + \frac{\alpha_r}{l'}(l' - l) > 255 \\ \frac{\alpha_r}{l'}(l' - l) & \text{else if } l' \geq l \end{cases}$$

가 , α_r , α_f , 가
 , 9 , 9 , 가 , 가
 , y , 가 y , 8 , 가
 < 4 , >
 3 , 10 , 가 , 4
 가 , 10 ,
 3 , 10 , 가
 l' - l , y , 1.8 - 2.0 ,
 , 13 , 14 , l' - l ,
 가 , 4 , 10 , g(l',l)
 , g(l',l) , 가

$$g(l',l) = 0 \quad \text{if } l' = l$$

, 가 , g(l',l) , 2 , 가 , 12

12

$$\Delta l_i = \begin{cases} -l' & \text{if } l' < l \text{ and } l' - \beta_f(l' - l)^2 < 0 \\ -\beta_f(l' - l)^2 & \text{else if } l' < l \\ 255 - l' & \text{else if } l' \geq l \text{ and } l' - \beta_{1r}(l' - l)(l' + l - 2\beta_{2r}) > 255 \\ -\beta_{1r}(l' - l)(l' + l - 2\beta_{2r}) & \text{else if } l' \geq l \end{cases}$$

2, $\beta_f, \beta_{1r}, \beta_{2r}$ 가 .

16 12, 가 , 가 .

9, y, 가 9 .

가 y 8, 가 1 .

< 5 > 17 가 (501) (502)

(503) 가 (501) 가 (504) 가

y 4 2

1 4

5

18 5 101 109 2 (103)

가 (511) 5 1 lis가 lis 가 / li (104) l'

(109) 19 (147) 141 149 19 (149) 1

4 (521)가 (521) (148) (522)

18 가 , 1

< 6 > 20 6 101 109 2 (601) l' (102)

6 (103) , 1 4

가 l' l'가 (602)가 (103) l'

(109) (602)가 가

21 21 141 148 11

6 (611) (148) 가 (611)가 4

(147) 1

8) 가 , (612)가 (612)가 (14
(613) , (613) (109) .
가 , ,
(look) .
(602) , 1
< 7 >
22 (107)
(107) (105), (109),
(2404)가 (151) , 가 (152), (108)가
(153), (105) (155), (156),
(156) (158), (156) (105)
(159), 가 (160), (161) .
23 (107)
22 (107) (162) R(), G(), B()
(167) (163), (164) (165)
(163) 가 (167) , (108)
(164)
(109) ()
TFT)(166) (163) (164) 가 가
(167) 가 , 가
IC()
(152) IC IC
IC
(151)
24 IC
ge Differential Signaling) (2402), LVDS 25 IC(2403), 24 LVDS(Low Volta
(2406), IC(2404), (2405
(151) 가 (2410, 2411)
25 (2401) (2401)
CMO
S(Complementary Metal Oxide Semiconductor) LVDS
LVDS IC(2403) LVDS (2402) LVDS (2501) CMOS (2502)
(2404) (2405) (2406)
(2407) (2503, 2504) , ,
26 (2404) (2601)
) 2a (106) (2602), (2603) (2604)
(2606) (2404) (2
404)
(2601) R, G, B CLK, HSYN
C, VSYNC() (2606) (2602)
(2606) 1 (2609) / ()
(2612) / (2611) 1
(2603) (2604)
(2612) (2603) (2611)
(2604) (2613)
(2612) (2614)
27 (2603) 8
9 9

28 9 × 9 가 .

(2603)
(2604)

13 LS 28a
A LS 가 가 LE가
TLE_{j+1} LE TLS_{i+1} LS 가 가 TLS_i LS
B LE 가 가 가 , 28b 가 13

13

$$(TLE_{j+1} - TLE_j)(LS - TLS_i) + (TLS_{i+1} - TLS_i)(LE - TLE_{j+1}) \leq 0$$

28a , DL , TLS_i , TLE_j TDL_{i,j} ,
TLS_{i+1} , TLE_j TDL_{i+1,j} , TLS_i , TLE_{j+1}
TDL_{i,j+1} , 14

14

$$DL = TDL_{i,j} + \frac{TDL_{i+1,j} - TDL_{i,j}}{TLS_{i+1} - TLS_i} (LS - TLS_i) + \frac{TDL_{i,j+1} - TDL_{i,j}}{TLE_{j+1} - TLE_j} (LE - TLE_j)$$

28b , DL TDL_{i+1,j} , TDL_{i,j+1} TLS_{i+1} , TLE_{j+1}
TDL_{i+1,j+1} , 15

15

$$DL = TDL_{i+1,j+1} - \frac{TDL_{i+1,j+1} - TDL_{i,j+1}}{TLS_{i+1} - TLS_i} (TLS_{i+1} - LS) - \frac{TDL_{i+1,j+1} - TDL_{i+1,j}}{TLE_{j+1} - TLE_j} (TLE_{j+1} - LE)$$

14 15
29 , 26 (2603) (2604)
29 , CLK
가 1
가
29 가 (2602) , 8A(HEX) 8A(
HEX) , C5(HEX) 8A(HEX) , C5(HEX) C5(HEX) , 8A(HEX) C5(HEX) , 4가 27
가 , 8A(HEX) C5(HEX) 가
(2603) TLS_i , TLS_{i+1} 7
F(HEX), 9F(HEX)가 TLE_j , TLE_{j+1} BF(HEX), DF(HEX)가
8A(HEX), C5(HEX) 7F(HEX), 9F(HEX), BF(HE
X), DF(HEX) 13 , 28 A
14가 , E2(HEX), D4(HEX) FF(HEX)가 DL_{i,j} ,
DL_{i+1,j} DL_{i,j+1} E2(HEX)가
E2(HEX) C5(HEX)
가 , C5(HEX) 8A(HEX) 59(HEX) , 8A(HEX)
가
(2404)
< 8 >
7 , 8 가 가
29 , 가 가

BE(HEX) , C5(HEX) C5(HEX) 가 14 15 가
 가 가 가 가
 30 (3002) 가 30 (3002)가 26 가
 가
 31 29 8A(HEX) 8A(HEX) 가 C5(HEX) C5(HEX) 31 가
 가 (3002) 가
 < 9 >
 가 가 가
 32 가
 00(HEX) 1F(HEX) 32 3F(HEX) 5E(HEX)
 1F(HEX) 가 3F(HEX) 가 00(HEX) FF(HEX) 32
 8bit 가
 33 32 가
 가 Y 가 가 Y 1.8 - 2.2
 (bent line) 16 가
 16

$$DL = \begin{cases} \text{if } LE < LS : M1, (LE - LS) \\ \text{else if } LS \leq LE < \frac{LMAX + LS}{2} : M2, (LE - LS) \\ \text{else if } LE \geq \frac{LMAX + LS}{2} : M2, \frac{LMAX - LS}{2} - M3, (LE - \frac{LMAX + LS}{2}) \end{cases}$$
 16 , DL , i , M1 (, M2
 , M3 (가), LMAX , LS , LE 9
 34 가 34 9
 3 가
 35 (3501) , (3502) 34 (3501) (3503)
 (2602) (3502) (3502) 16
 (3504) 가 (2611)
 가 , 가 (3505)
 36 36 3 8A(HEX)
 36 C5(HEX)

3 6(HEX) , 34 7 (7) BF(HEX) 가
 , 34 88/C0(HEX)가
 16 , -29(HEX)
 가 , 61(HEX)가 , 가
 , 8A(HEX) C5(HEX) 가 , 5 , 가
 30/50(HEX)가 16 +24(HEX)가 , 가
 , E9(HEX)가 36 , 29 31
 < 10 >
 32 , 가 1.8 - 2.2 , 가
 가 , 가
 8 , 가
 37 2 , FF(HE
 X) 2 가 가 00(HEX)
 2 가 17

$$DL = \begin{cases} \text{if } LE < LS : A1_i (LE^2 - LS^2) \\ \text{else if } LS \leq LE : -A2_i \left\{ \left(LE - \frac{LS + LMAX}{2} \right)^2 - \left(\frac{LS - LMAX}{2} \right)^2 \right\} \end{cases}$$

17 , DL , i 2 , A1 2 () , A2 2
 (가) , LMAX , LS , LE
 가 , 17 가 0

$$DL = 0 \text{ if } LS = LE$$

17 2 , 18
 38 2 , 38 9 2
 , 9 ,
 3 , 2
 39 , 2 (3901)
) 38 (3902) 17 2 39
 35 , 2
 2 (3901) , (2612) (2611) 가
 가 , 2 (3903) 2 (3902) 2
 (3902) (3903) , 가 17
 (3904) , (261) (3505)
 (2614) , 가
 (3611) (3904) 가 ,
 40 , 가 C5 8A
 가 , 2 가
 , 38 7 가 , 1/200(HEX)가 , 2
 17 , -26(HEX) 가 ,
 , 8A(HEX) C5(HEX) , 64(HEX)가 , 가
 HEX) 가 , +1A(HEX) , 5 , 4/200(
 DF(HEX)
 < 11 >
 ,
 R, G, B
 가 가 , y

1

$$H(z)=1+K(1-z)^{19}$$
$$K=\frac{\alpha\tau}{T_f}$$

H(z) , K , Tf , τ , α

19 , 가

41 가 (4101) 41 (4101)

(2611) (2612) 19 (4102)

42 가 K1 가 K2

HEX) C5(HEX) 8A(HEX) K1 , 64(HEX)가 8A(

가 C5(HEX) 가 K2가 , DF(HEX)rk

가 가

43a 43b (107) 43a

(normally black mode) (normally white mode)

43b 2가 (0-90%

) , 2

2 , 가 가 , 1

가 , 가 , 가 , 1

44 2 44 τ 43a

43b 가 44 , 가

가 가 가

가 45 45 A, B 43

가 가

Y , 44 가

46 , 45 가 (4602)가 41

(4602) 가 45a (4601) 45 (4603)

가 (4602) KA가 , 45b KB

1 (105)

< 12 >

가 47 47 (4604)가

0 가 7 가 1 6

6 48 48 (4802) K X 47 (4604)

(4801)

(4804) 가 . , 47 0 X=0 , 가 , (4604) 1 6 , 7 X=1 , 가 . , 가 48 , , 가 . , , . , () , 가 .

(57)

1.

2.

3.

4.

5.

6.

7.

Figure 1 is a flow diagram illustrating the selection process for the study. It begins with 14 potential participants. From this group, 15 individuals were excluded for various reasons: 8 for not meeting criteria, 3 for not being available, 1 for not completing the questionnaire, 1 for not being a resident of the study area, 1 for not being a resident of the study area, 1 for not being a resident of the study area, and 1 for not being a resident of the study area. This left 14 participants who were then divided into two groups: 7 in the (pre-change) group and 7 in the (post-change) group.

$$DL = \begin{cases} \text{if } (TLE_{j+1} - TLE_j)(LS - TLS_i) + (TLS_{i+1} - TLS_i)(LE - TLE_{j+1}) \leq 0: \\ TDL_{i,j} + \frac{TDL_{i+1,j} - TDL_{i,j}}{TLS_{i+1} - TLS_i}(LS - TLS_i) + \frac{TDL_{i,j+1} - TDL_{i,j}}{TLE_{j+1} - TLE_j}(LE - TLE_j) \\ \text{else} \\ TDL_{i+1,j+1} - \frac{TDL_{i+1,j+1} - TDL_{i,j+1}}{TLS_{i+1} - TLS_i}(TLS_{i+1} - LS) - \frac{TDL_{i+1,j+1} - TDL_{i+1,j}}{TLE_{j+1} - TLE_j}(TLE_{j+1} - LE) \end{cases}$$

(, DL , i , j , TLS , TLE , TDL , LS , TLE_i ≤ LS < TLE_{i+1}) , DL ± 20%

16.

(pre - change)

(post - change)

17.

16

y 가 1.8 2.2

(bent - line graph)

$$DL = \begin{cases} \text{if } LE < LS : M1_i(LE - LS) \\ \text{else if } LS \leq LE < \frac{LMAX + LS}{2} : M2_i(LE - LS) \\ \text{else if } LE \geq \frac{LMAX + LS}{2} : M2_i \frac{LMAX - LS}{2} - M3_i(LE - \frac{LMAX + LS}{2}) \end{cases}$$

(, DL , i , M1 , LS , M2 , M3 , LE , LMAX , DL ± 20%)

18.

16

y 가 1.8 2.2

2

2

$$DL = \begin{cases} \text{if } LE < LS : A1, (LE^2 - LS^2) \\ \text{else if } LS \leq LE : A2, \left\{ \left(LE - \frac{LS + LMAX}{2} \right)^2 - \left(\frac{LS - LMAX}{2} \right)^2 \right\} \end{cases}$$

(, DL (가), LMAX , A1 2 , LS (), A2 2)
DL $\pm 20\%$

19.

;

;

;

(pre - change)

가 (post - change)

$$H(z) = 1 + K(1 - z)$$

$$K = \frac{\alpha \tau}{T_r}$$

(, H(z) , K , Tf , τ , α)
DL $\pm 20\%$

20.

;

;

;

(pre - change)

가 (post - change)

21.

;

;

;

(pre - change)

가 (post - change)

22.

(pre - change)

가 (post - change)

-30% 10% 가 , 3

23.

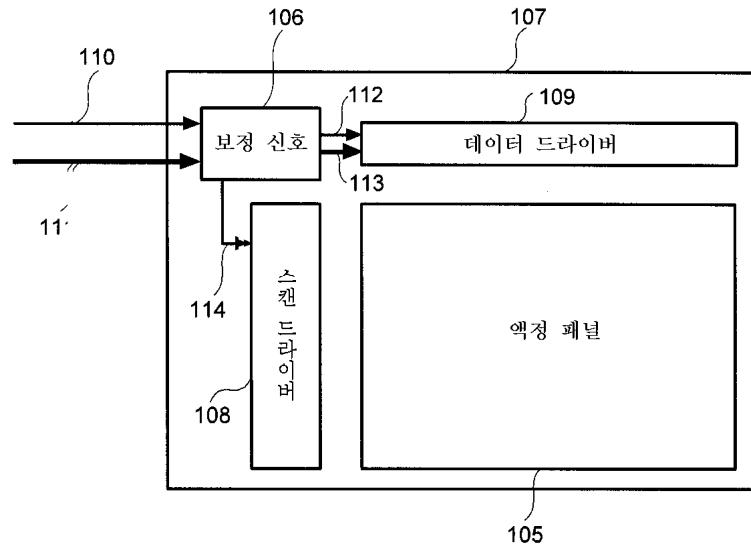
(pre - change)

가 (post - change)

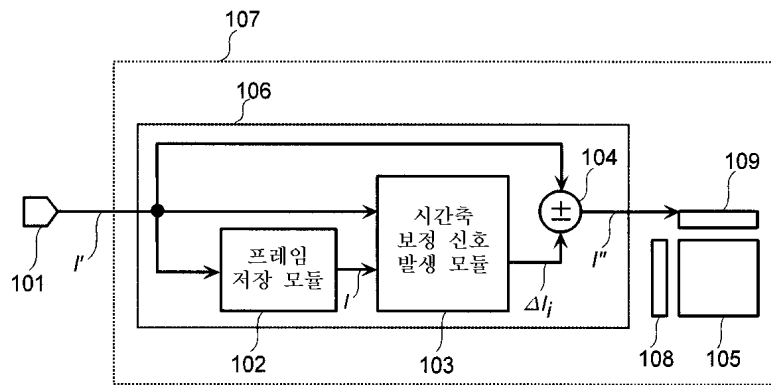
, 13 21

24.

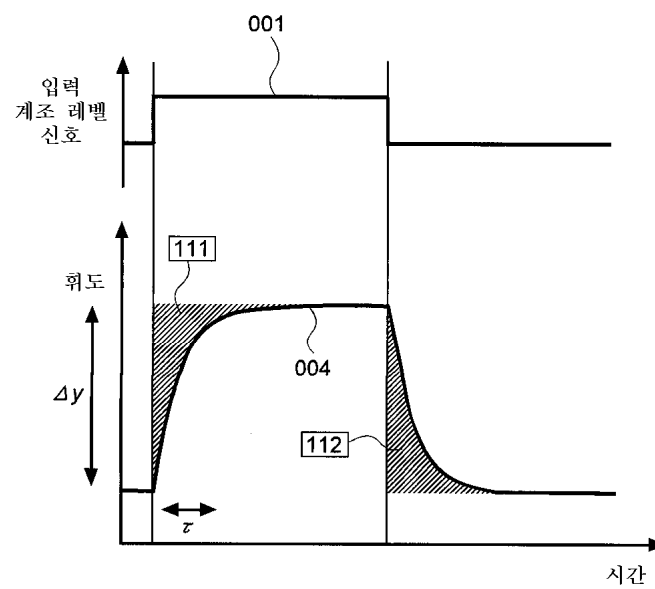
1

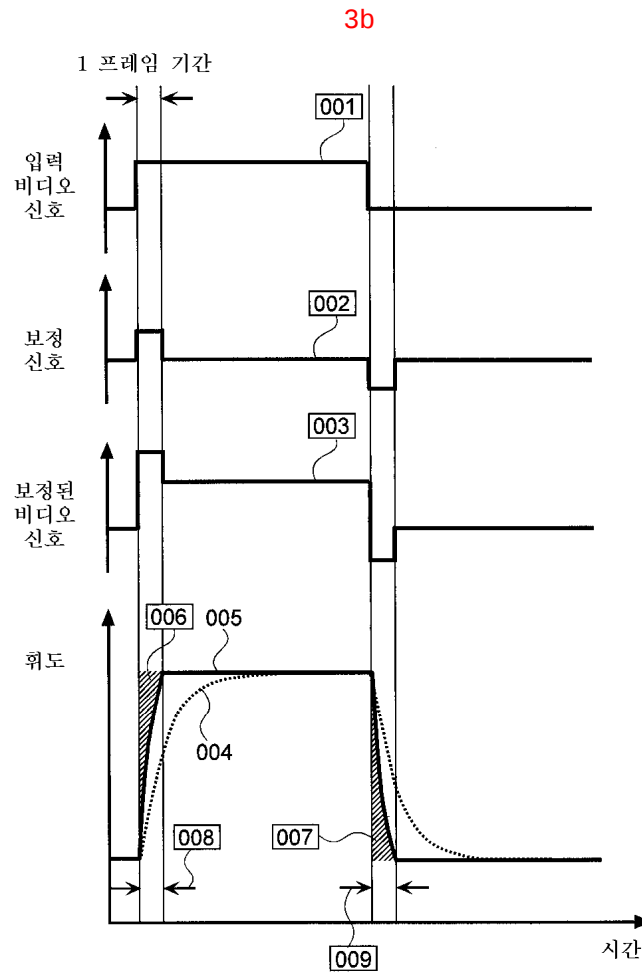


2

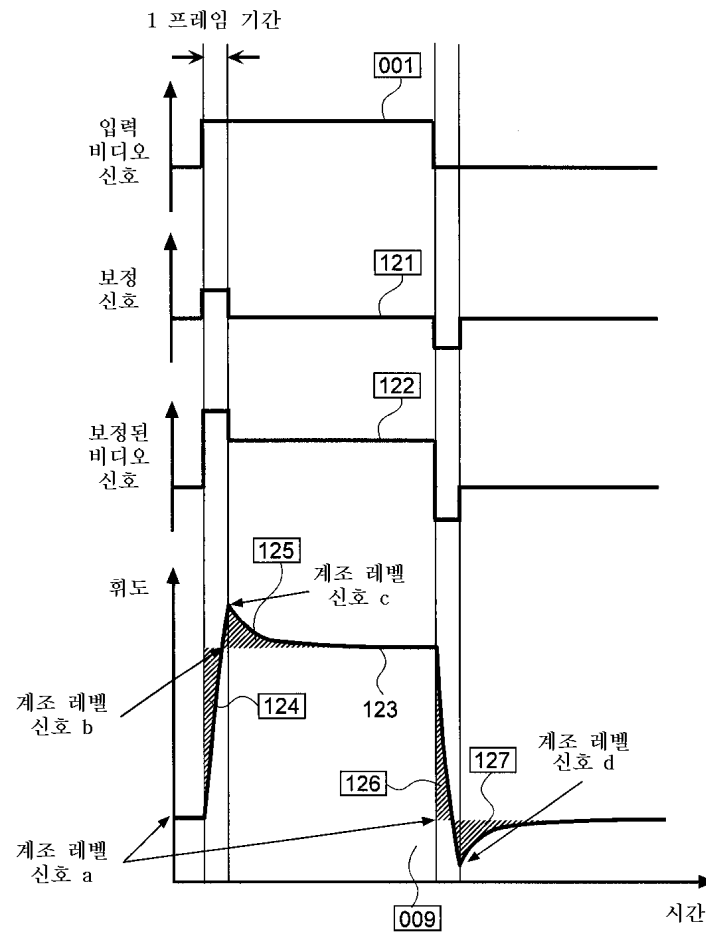


3a

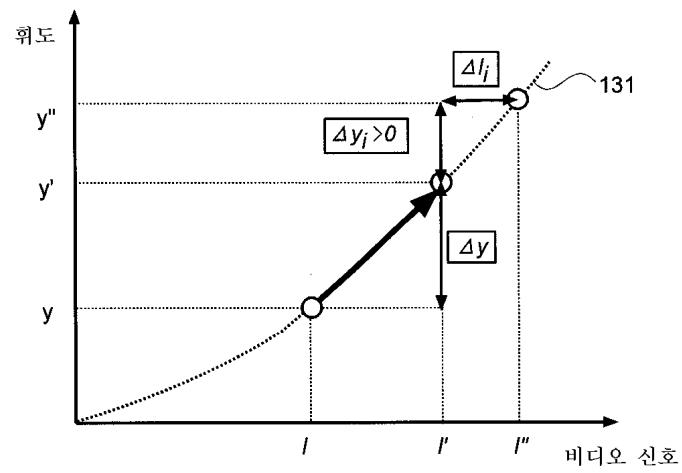




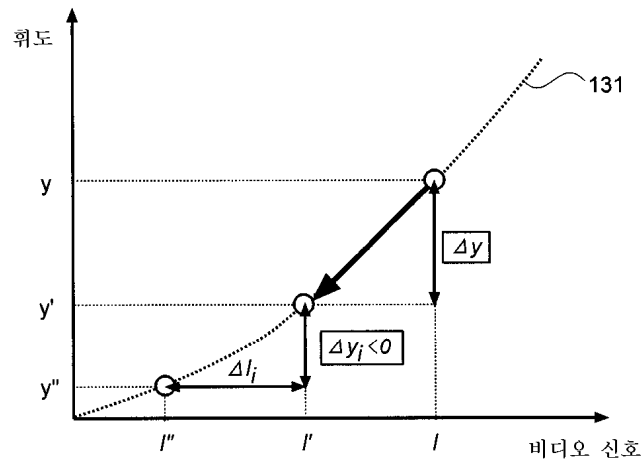
4



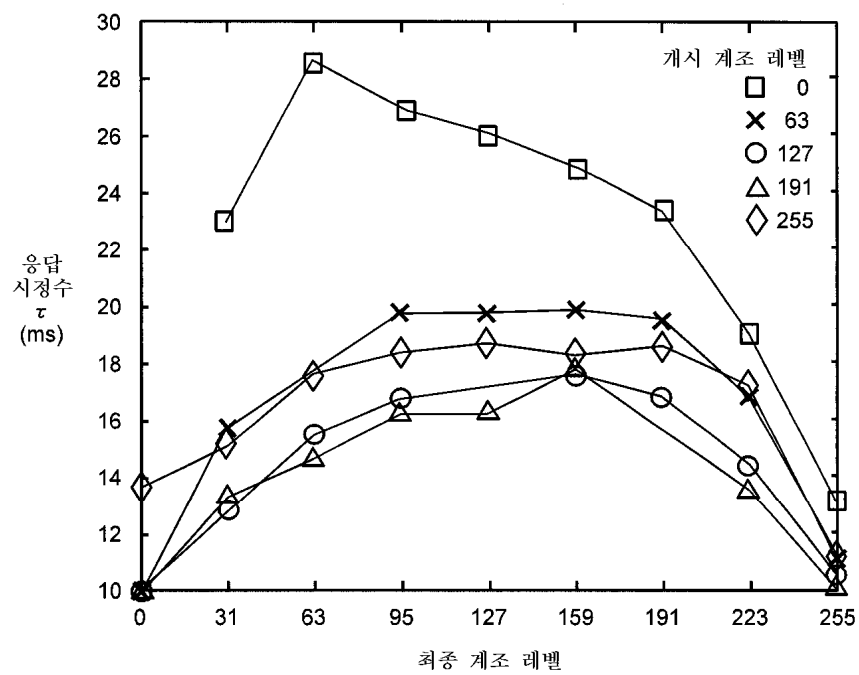
5



6



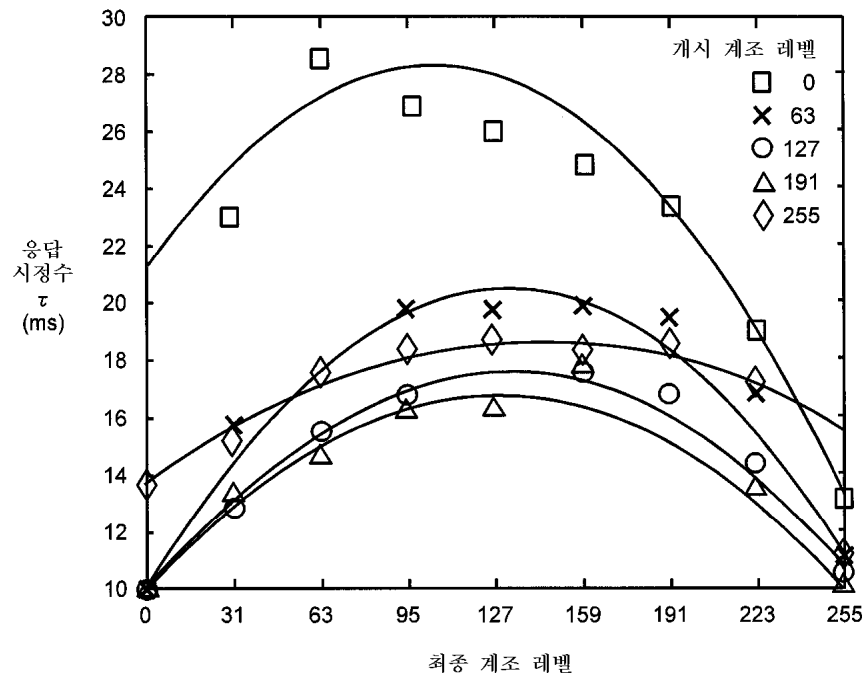
7



8

		최종 게조 레벨								
		0	31	63	95	127	159	191	223	255
게시 게조 레벨	0	-	23	29	27	26	25	23	19	13
	63	10	16	-	20	20	20	20	17	11
	127	10	13	15	17	-	18	17	14	10
	191	10	13	15	16	16	18	-	14	10
	255	14	15	18	18	19	18	19	17	-

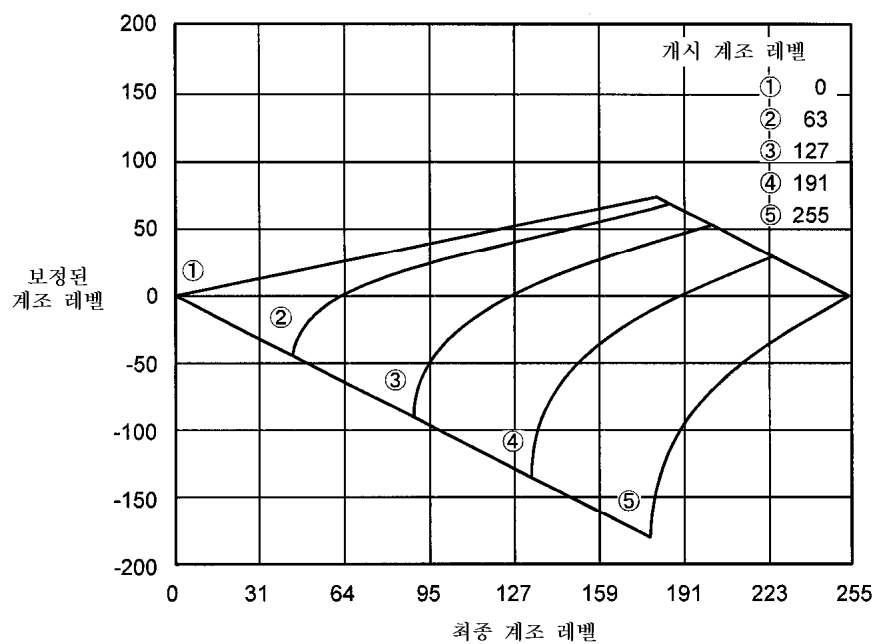
9a



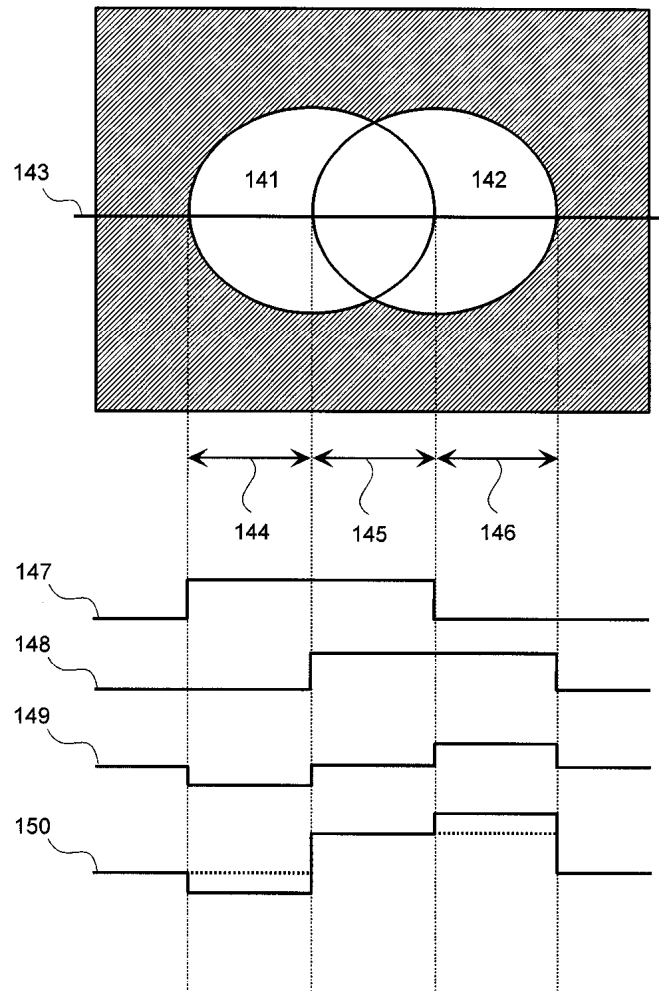
9b

개시 계조 레벨	근사 함수
0	$-0.000618 (l-104)^2 + 27$
63	$-0.000580 (l-132)^2 + 20$
127	$-0.000458 (l-132)^2 + 17$
191	$-0.000421 (l-129)^2 + 17$
255	$-0.000258 (l-142)^2 + 18$

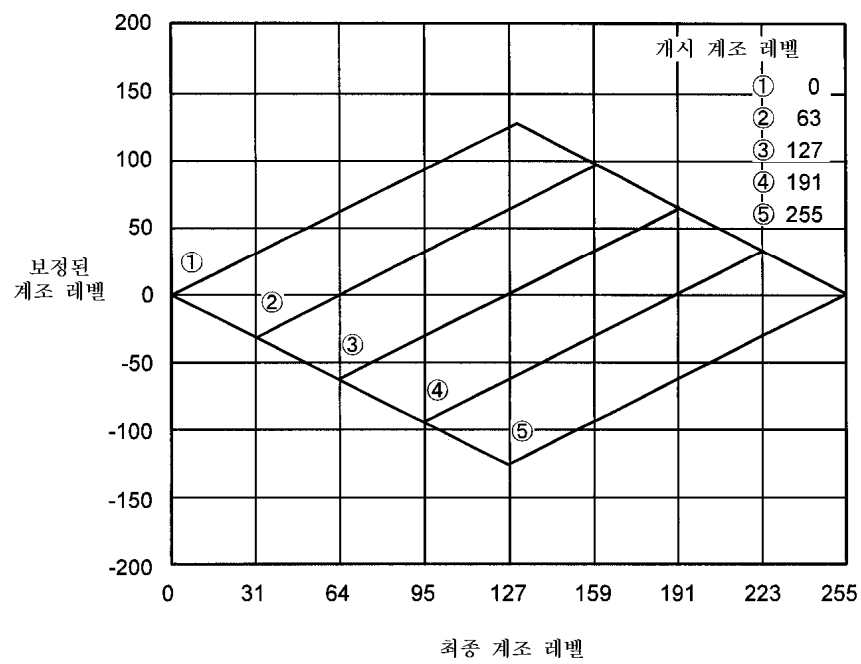
10



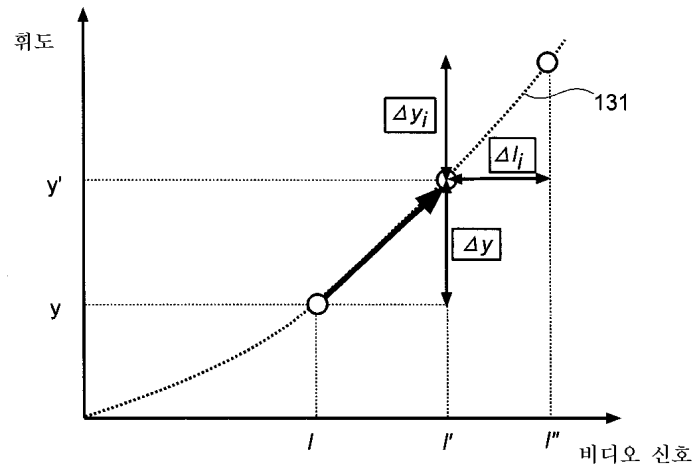
11



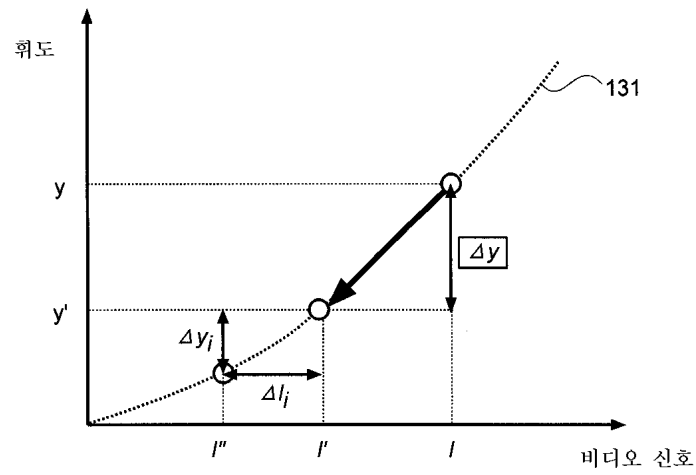
12



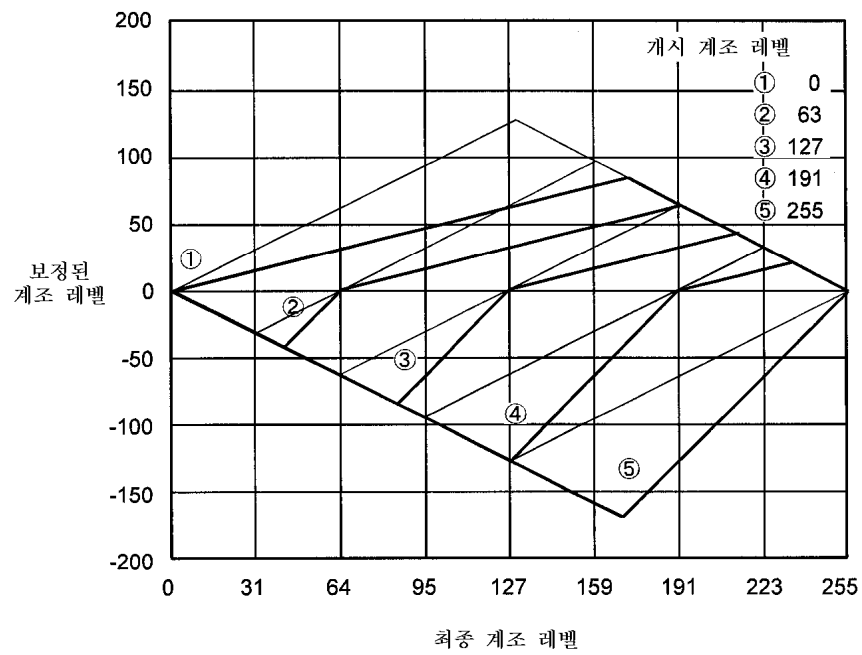
13



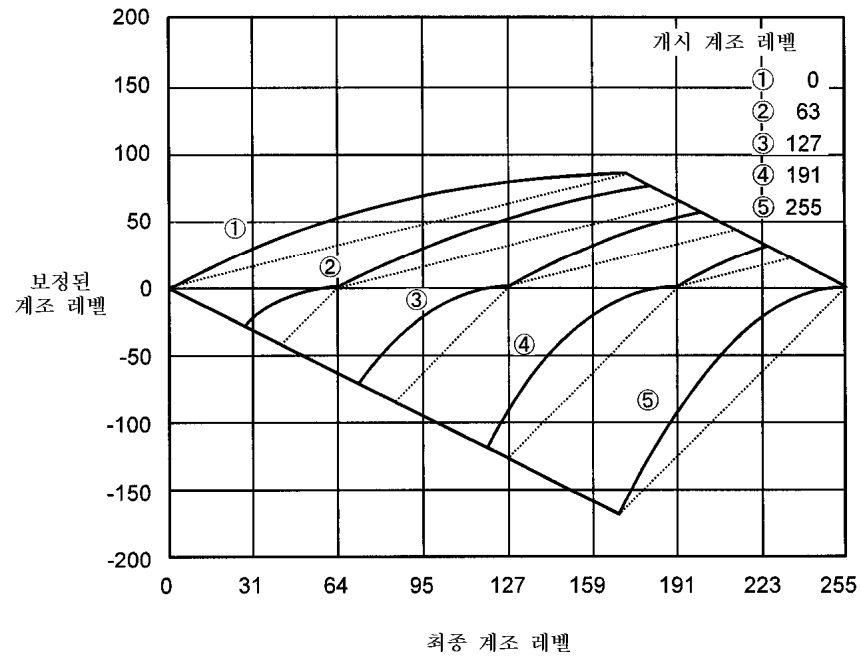
14



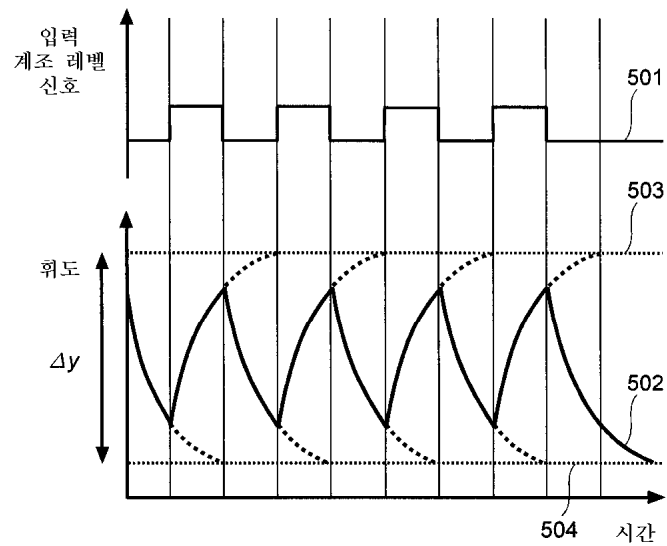
15



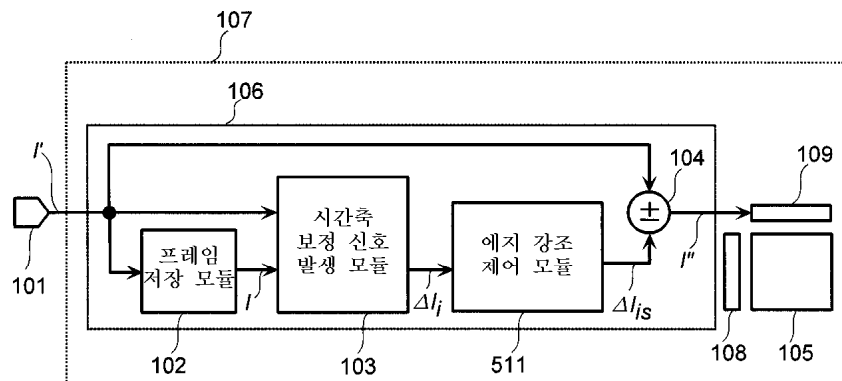
16



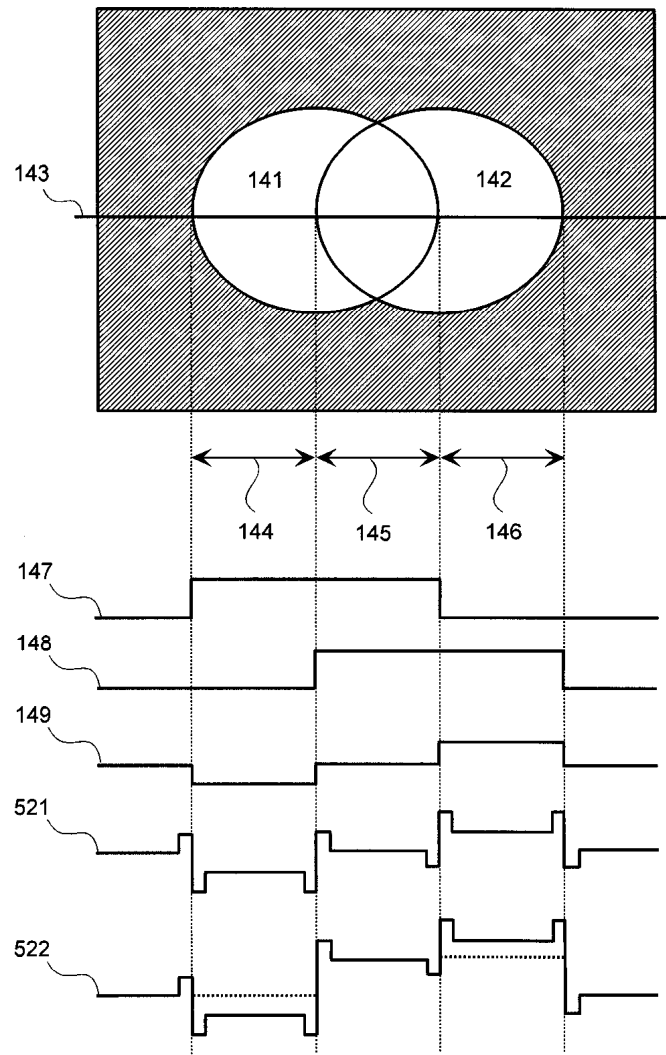
17



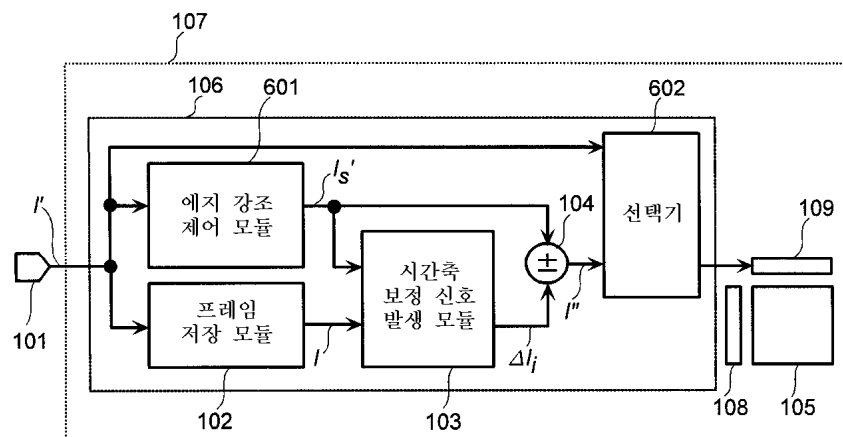
18



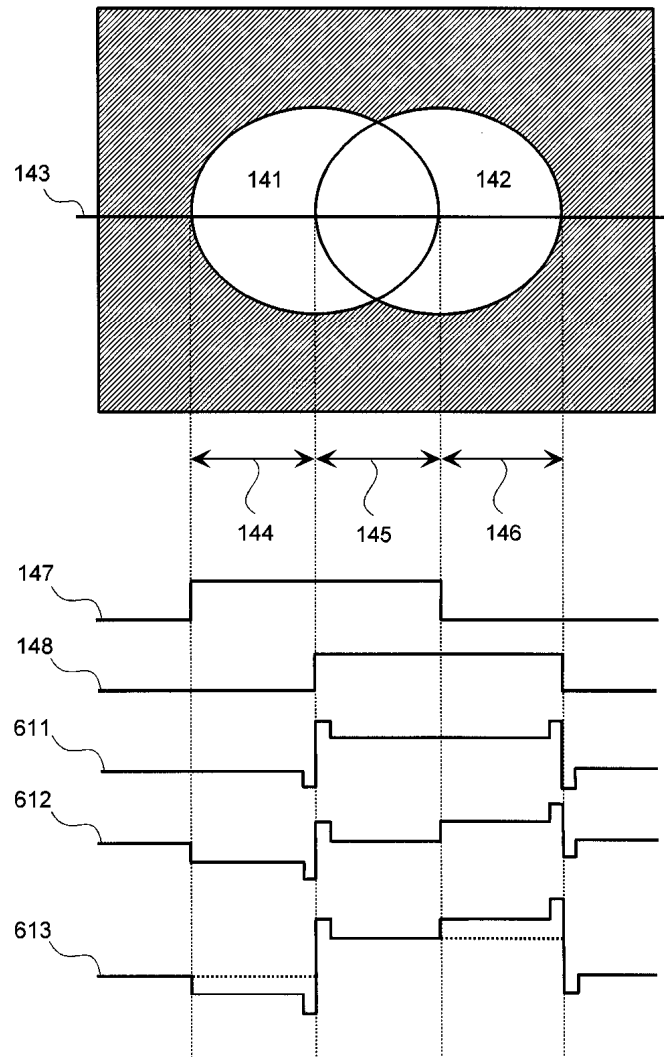
19



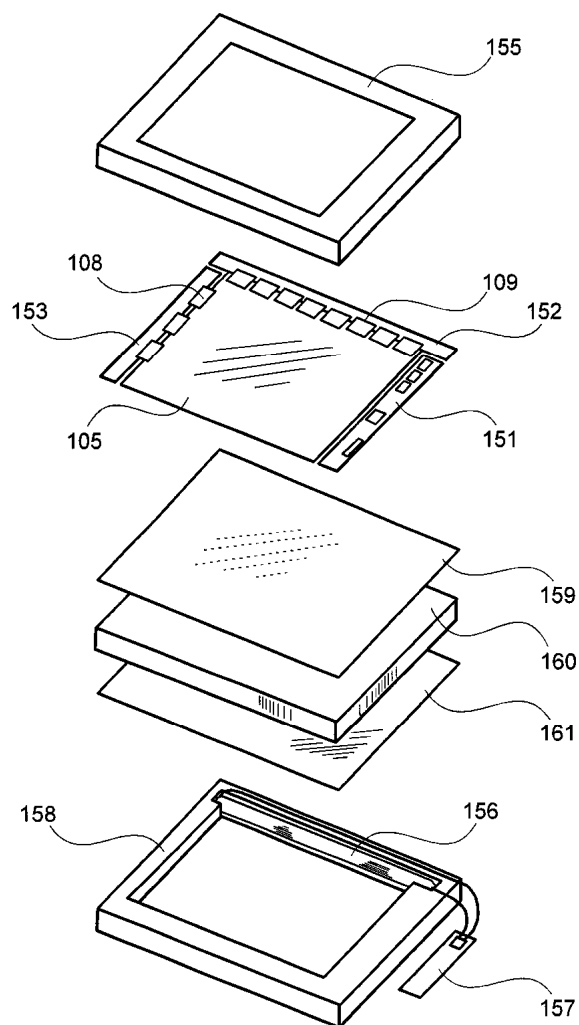
20



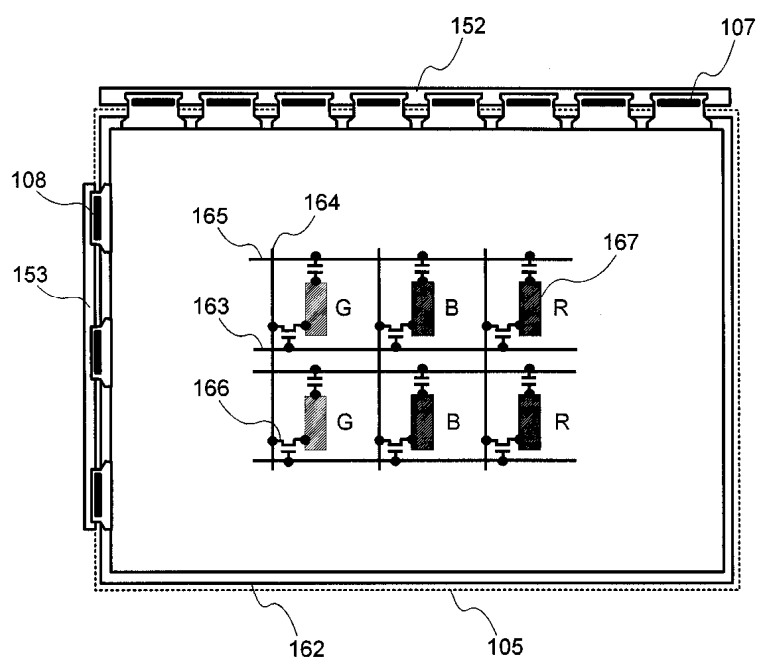
21



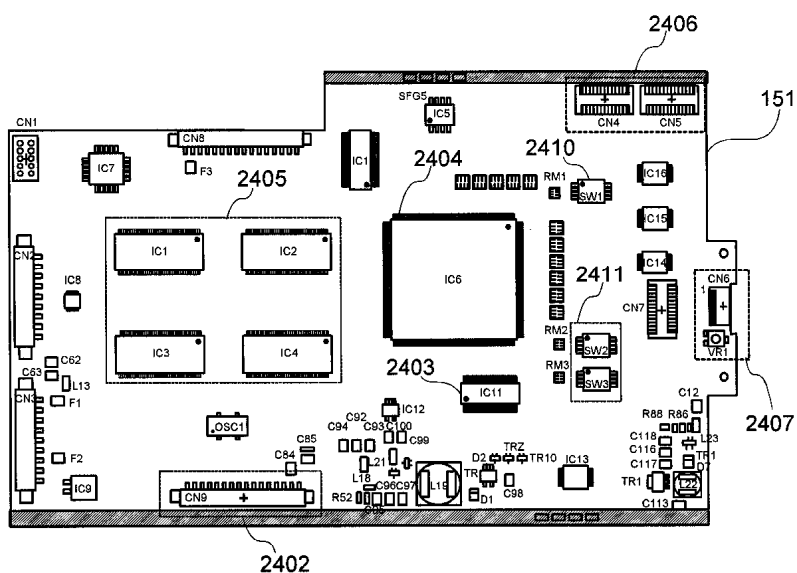
22



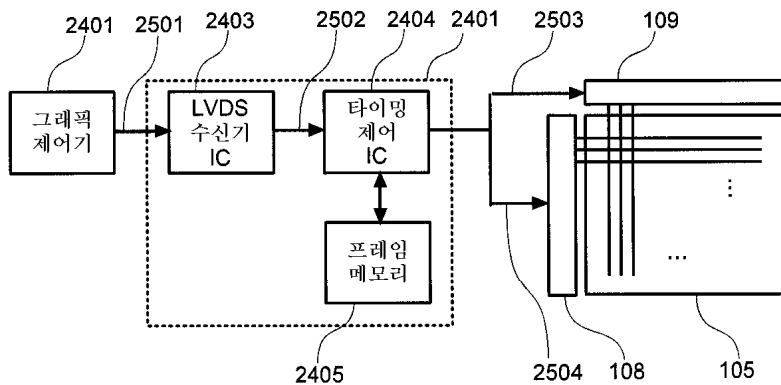
23



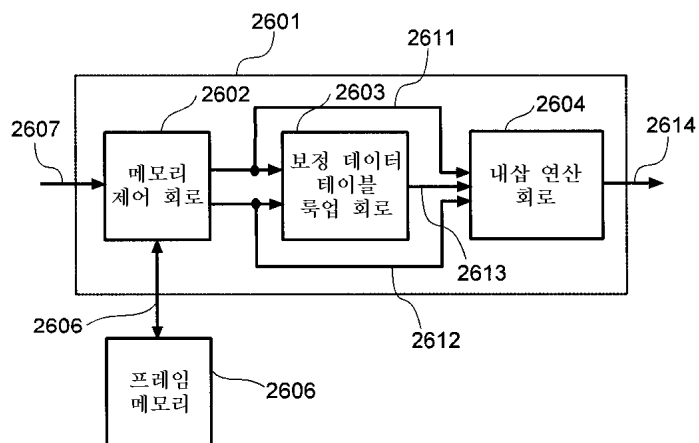
24



25



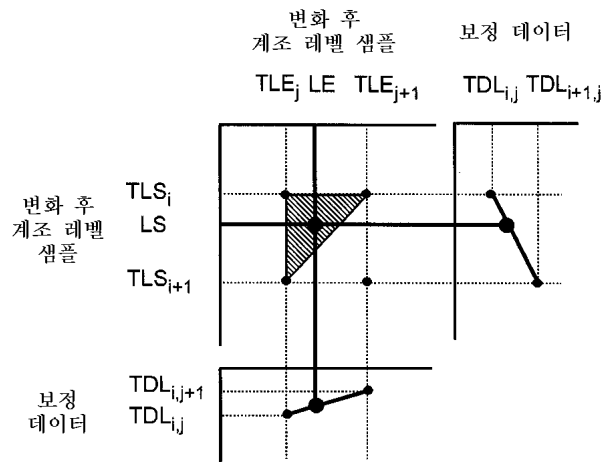
26



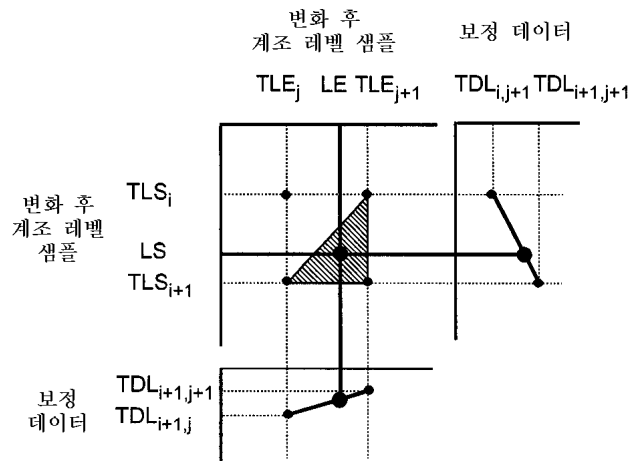
27

		변화 후 계조 레벨 샘플(hex)								
		(1) 00	(2) 1F	(3) 3F	(4) 5F	(5) 7F	(6) 9F	(7) BF	(8) DF	(9) FF
변화 전 계조 레벨 샘플 (hex)	(1) 00	00	60	8B	CB	EB	F3	FF	FF	FF
	(2) 1F	00	1F	6B	AB	DB	E7	FF	FF	FF
	(3) 3F	00	00	3F	8F	C8	E0	F0	FF	FF
	(4) 5F	00	00	0F	5F	AC	D3	EB	FF	FF
	(5) 7F	00	00	00	38	7F	C0	E2	FF	FF
	(6) 9F	00	00	00	1E	60	9F	D4	F7	FF
	(7) BF	00	00	00	11	4F	80	BF	E0	FF
	(8) DF	00	00	00	00	2C	5C	97	DF	FF
	(9) FF	00	00	00	00	13	3F	70	C3	FF

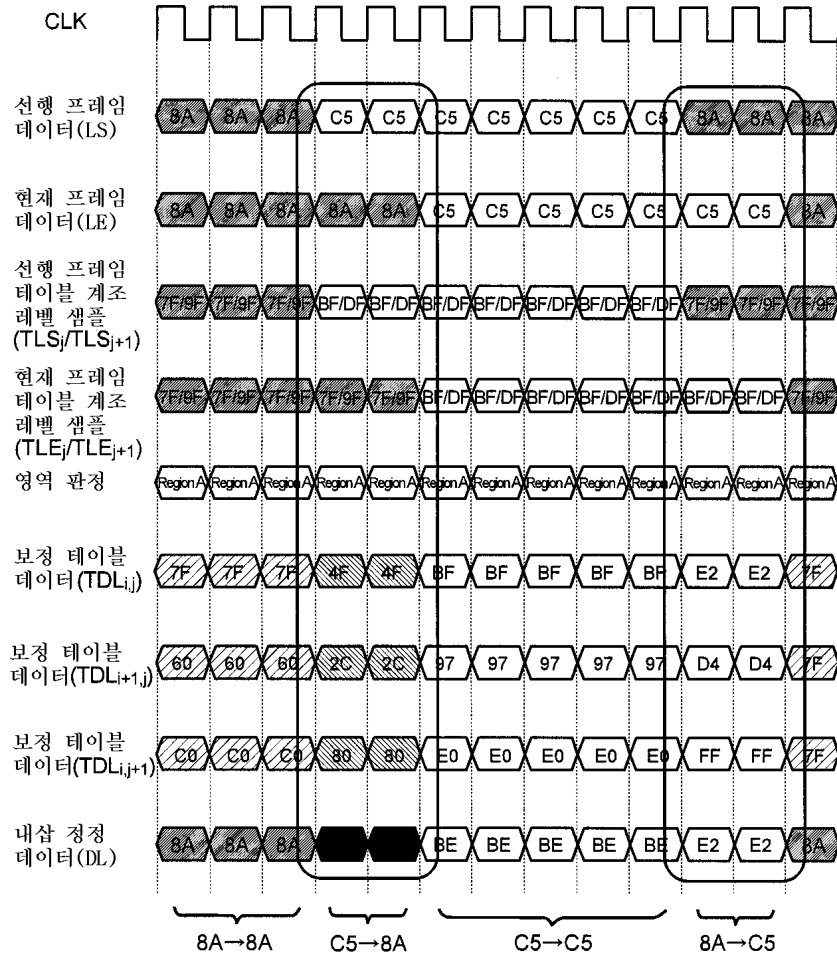
28a



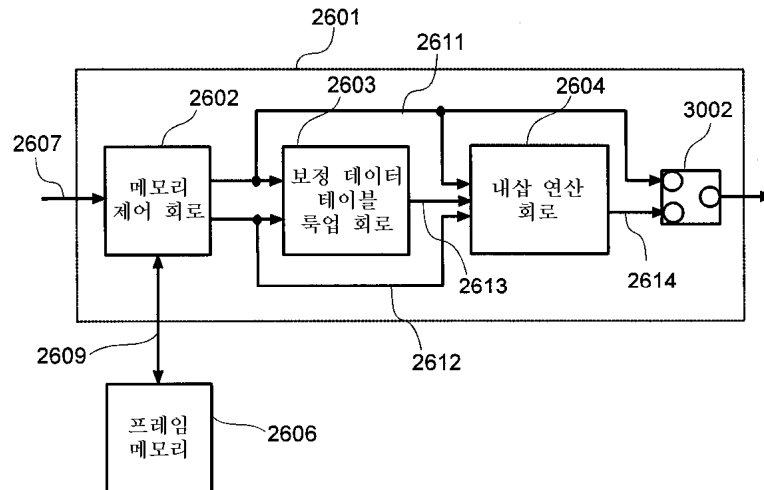
28b



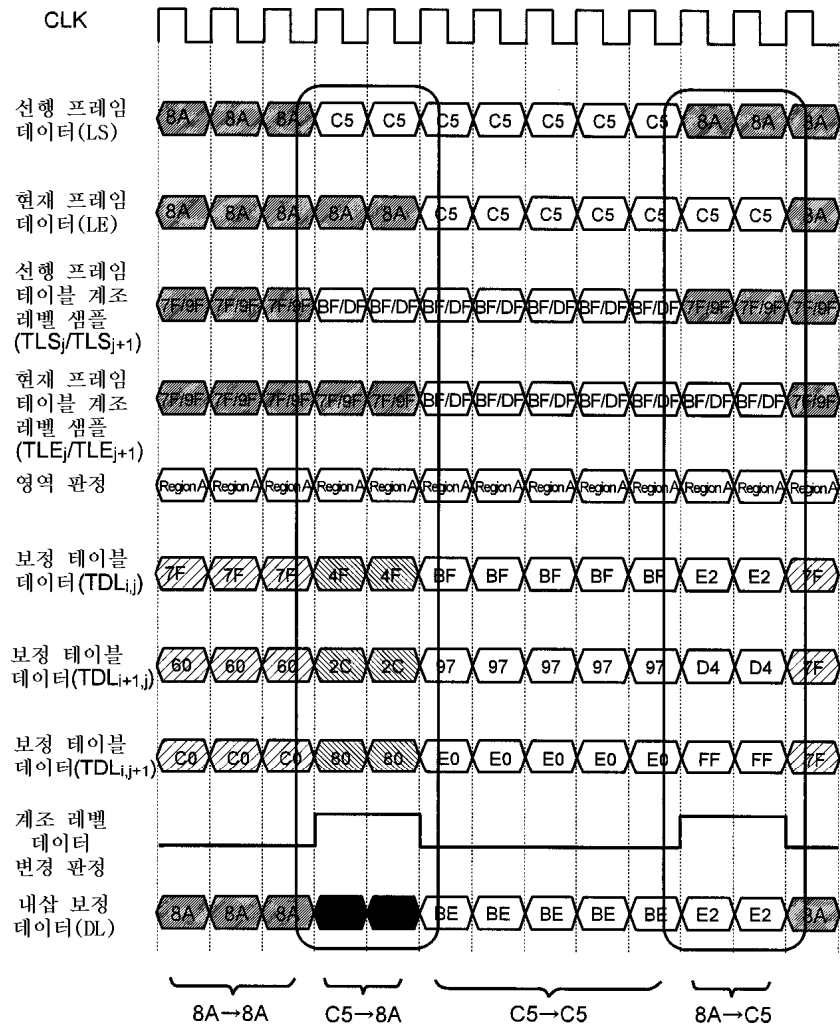
29



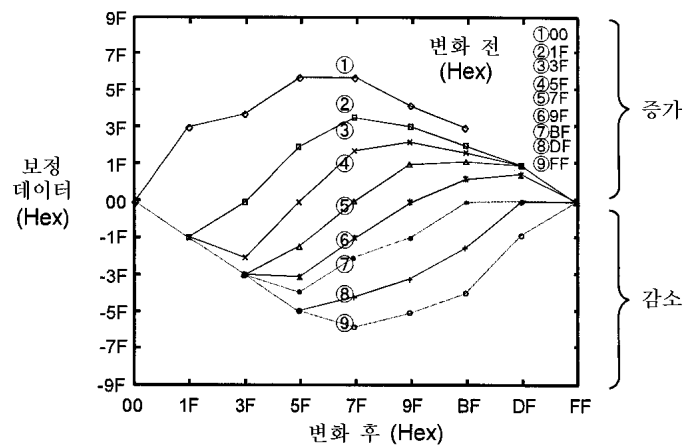
30



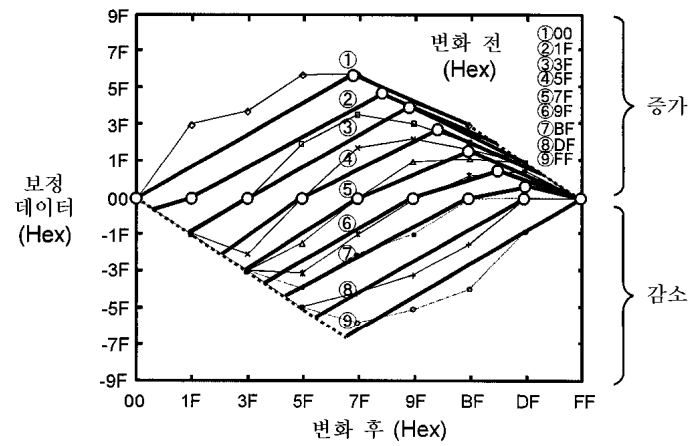
31



32



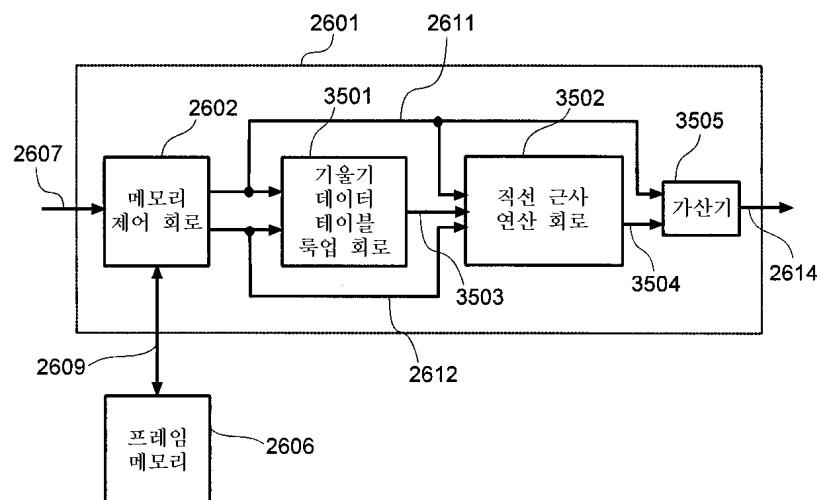
33



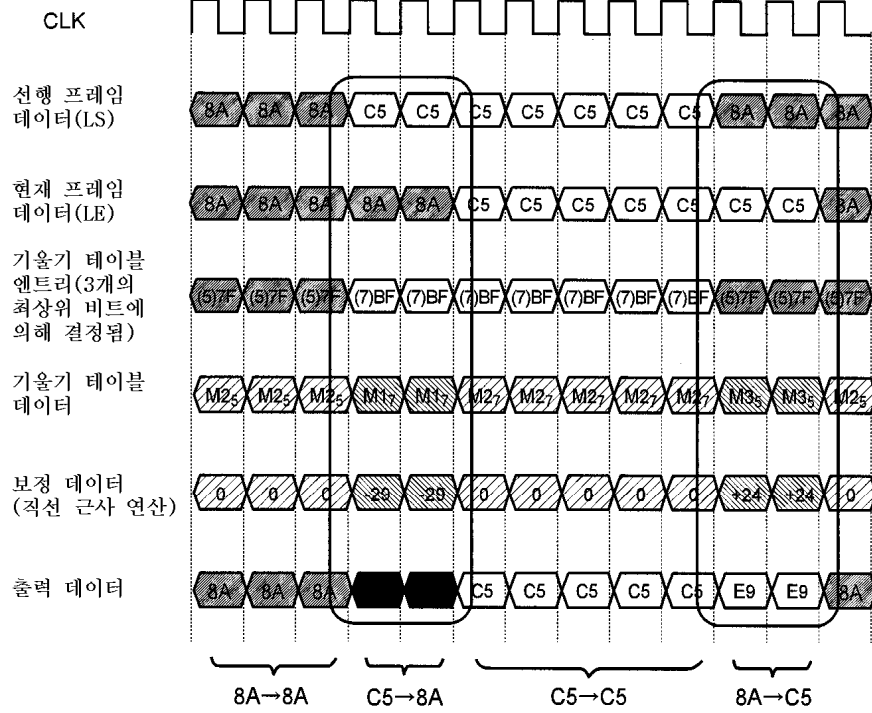
34

		기울기 (Hex)		
		감소	증가	
			절점 미만	절점 이상
변화 전 계조 레벨 샘플 (Hex)	(1)00	-	65/80	50/80
	(2)1F	0F/20	55/70	40/70
	(3)3F	3F/40	4F/60	30/60
	(4)5F	5F/60	35/50	30/50
	(5)7F	7F/80	28/40	4/40
	(6)9F	85/A0	1A/30	1A/30
	(7)BF	88/C0	0F/20	0F/20
	(8)DF	AF/E0	02/10	02/10
	(9)FF	F0/FF	-	-

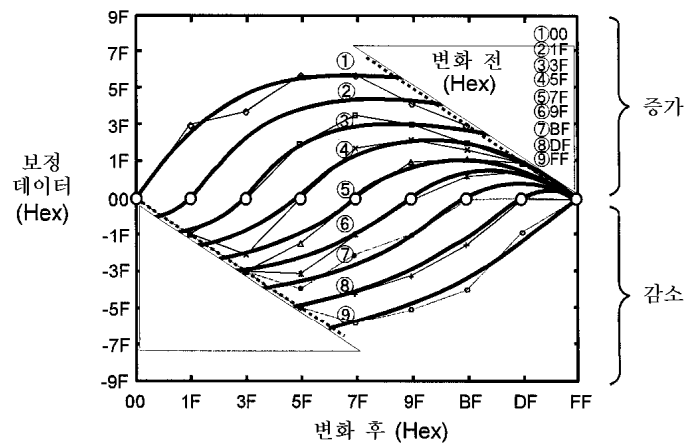
35



36



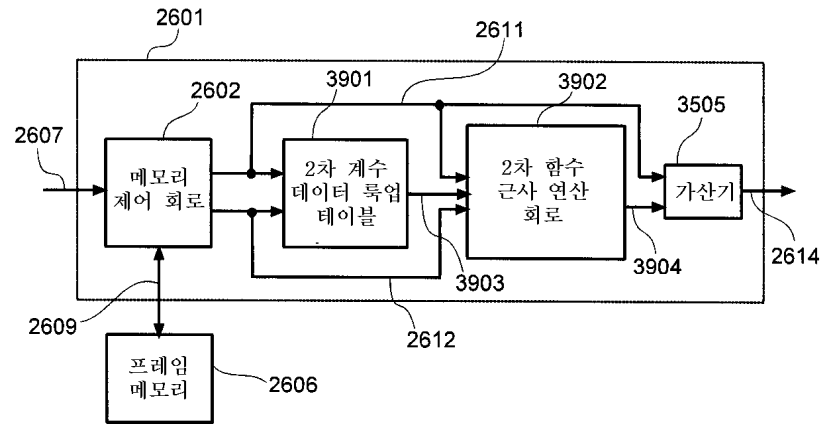
37



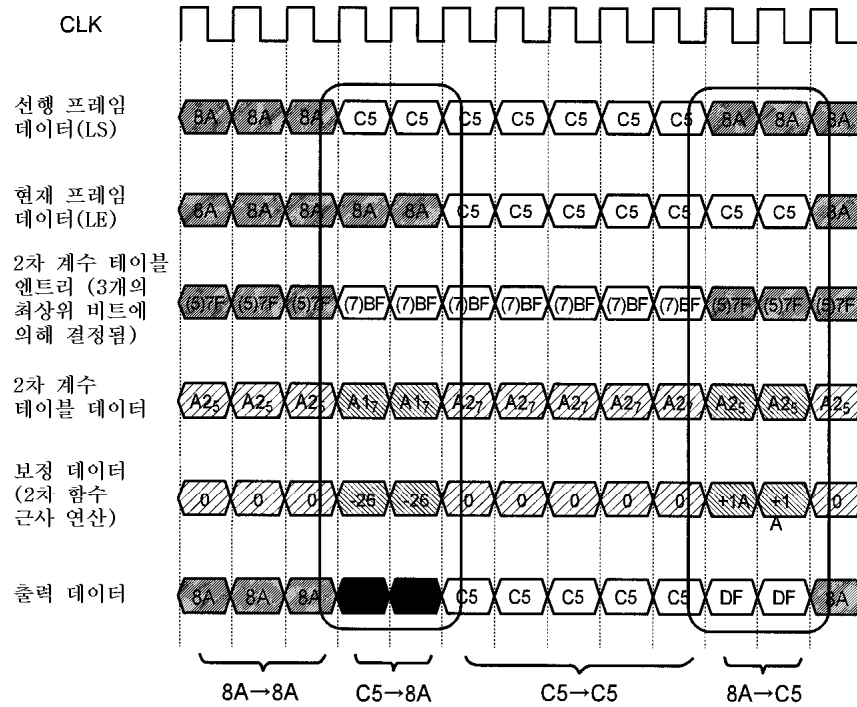
38

		2차 계수 (Hex)	
		감소	증가
변화 전 계조 레벨 샘플 (Hex)	(1)00	-	3/200
	(2)1F	8/200	3/200
	(3)3F	6/200	3/200
	(4)5F	4/200	4/200
	(5)7F	3/200	4/200
	(6)9F	2/200	4/200
	(7)BF	1/200	5/200
	(8)DF	1/200	A/200
	(9)FF	1/200	-

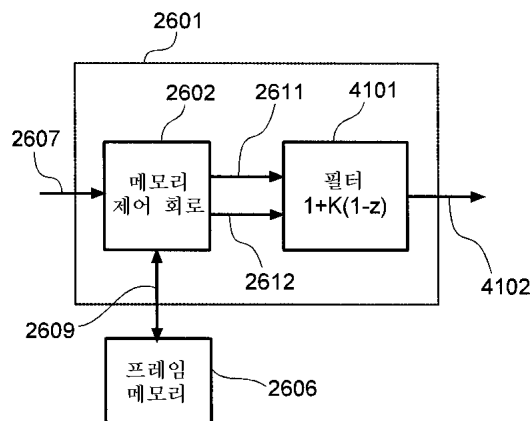
39

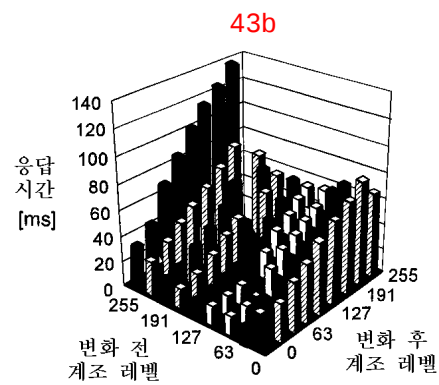
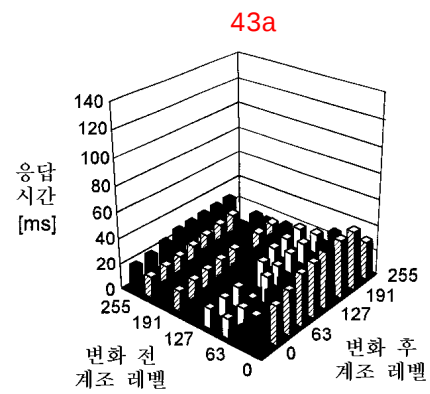
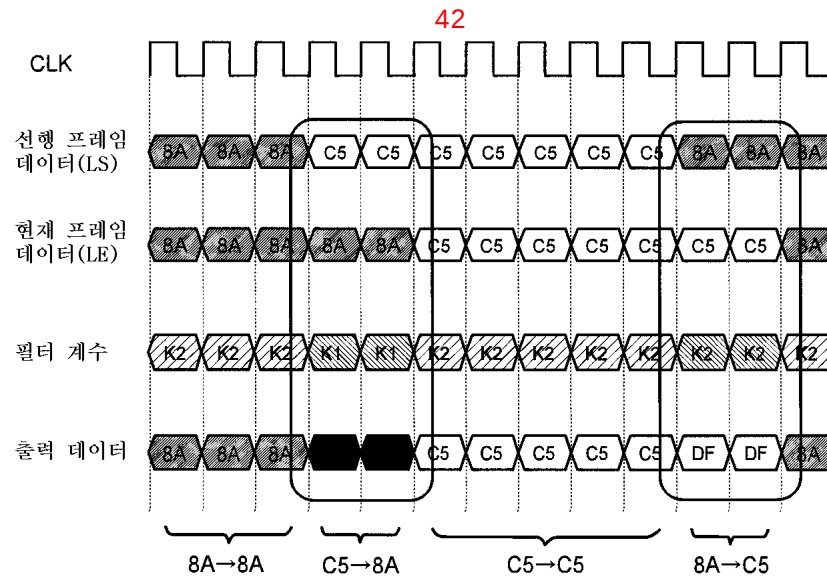


40



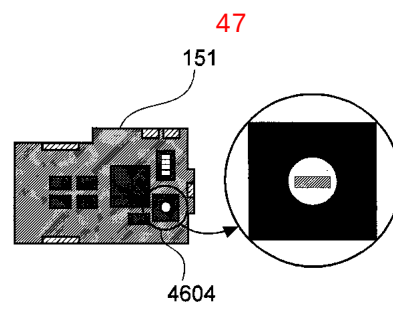
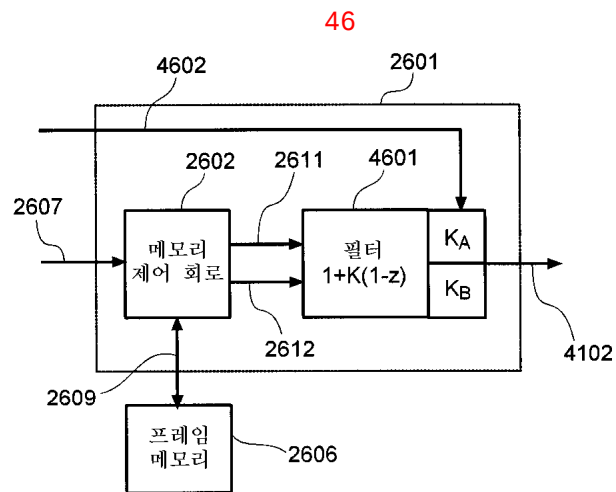
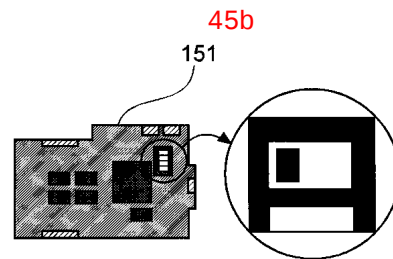
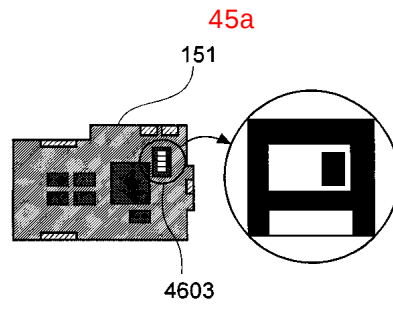
41

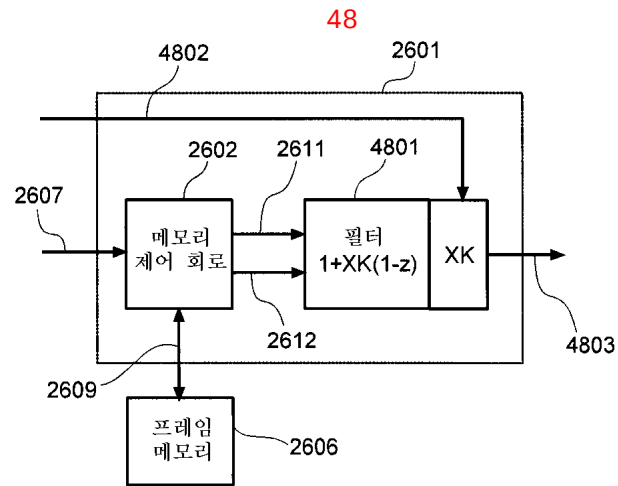




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		시정수 τ (ms)	보정 계수 α		필터 계수 K	
			감소	증가	감소	증가
특성	수평 전계	33.4	0.75	1.25	1.50	2.50
	수직 전계	16.3	1.00	0.75	1.00	0.75





专利名称(译)	一种用于显示视频数据的显示设备		
公开(公告)号	KR100430541B1	公开(公告)日	2004-05-10
申请号	KR1020010016942	申请日	2001-03-30
[标]申请(专利权)人(译)	日立HITACHI SEISAKUSHODBA HITACHI视频与信息SYST		
申请(专利权)人(译)	株式会社日立制作所 可否怎么这地.汤赵号系统.		
当前申请(专利权)人(译)	株式会社日立制作所 可否怎么这地.汤赵号系统.		
[标]发明人	KAWABE KAZUYOSHI 가와베가즈요시 FURUHASHI TSUTOMU 후루하시쯔또무 INUZUKA TATSUHIRO 이누즈까다쓰히로 KURIHARA HIROSHI 구리하라히로시 ONO KIKUO 오노기꾸오		
发明人	가와베가즈요시 후루하시쯔또무 이누즈까다쓰히로 구리하라히로시 오노기꾸오		
IPC分类号	G09G3/20 G02F1/133 G09G3/36		
CPC分类号	G09G3/3648 G09G2320/103 G09G2340/16 G09G2320/0252 G09G3/3611 G09G2320/0223 G09G2320/0261		
代理人(译)	CHANG, SOO KIL		
优先权	2000210686 2000-07-06 JP 2000379778 2000-12-08 JP		
其他公开文献	KR1020020005397A		
外部链接	Espacenet		

摘要(译)

本发明提供一种液晶显示装置，包括：液晶面板（105），其中多个像素形成为矩阵；通过使用由来自第（N-1）帧的输入灰度的灰度级和来自输入灰度的灰度级定义的关系来获得用于校正亮度的校正信号。校正电路107，用于通过使用校正信号校正第N帧的灰度信号；数据驱动器109，用于根据第N帧的校正输入灰度信号产生写入电位；以及用于选择应用写入电位的像素的扫描驱动器。2 指数方面 视频数据，灰度信号，校正信号，写入电位，轮廓校正部分，

