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(71) .
20

(72) APT 1309

(74) :
:

(54)

IC

1

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4

1 .

2 1 IC .

3a 3b 2 IC .

4 IC .

5a 5b 4 IC .

6	가	4	IC	.
7	가	4	IC	.
8			IC	.
9a	9b	8		.
10a	10b	8	IC	.
11	가	8	IC	.
12	가	8	IC	.
13	4	8	IC가	.
14a	14b			.
15a	15b			.
16a	16b			.
< >				
2, 72 :	4, 74 :		IC	
6, 76 :	TCP 8, 78 :		IC	
10, 80 :	TCP 12, 42, 102 :			
13, 48, 108 :	1 14, 44, 104 :			
15, 54, 114 :	1 MUX			
17, 56, 116 :	1 MUX			
16, 46, 106 :	1 18, 50, 110 :	2		
19, 52, 112 :	2 20, 62, 122 :	DAC		
22, 64, 124 :	PDAC 24, 66, 126 :	NDAC		
26, 68, 128 :	28, 70, 130 :			
30, 58, 140 :	2 MUX			
32, 60, 142 :	2 MUX			
34, 88, 148 :	36, 90, 150 :			
80 :	3 MUX 82 :	3 MUX		
84, 146 :	DEMUX 86, 144 :	DEMUX		

IC (8) (2) 1 IC(Integrated Circuit) (4) , TCP(Tape Carrier Pakage)(6) (2) TCP(10) (2) IC (8) TCP(10) (2) 1 TCP(10) (1H) IC (8) IC (8) IC (4) TCP(6) (2) TCP(6) (2) IC (4) IC (4) 1 (1H) (2) IC (4) 2 (12) , (16, 18) 1 (18) 2 (20) 2 MUX (30) (R, G, B) (36) (34) , DAC (20) (26) , (26) (4) () (16, 18) , 2 (20) , DAC () 480) IC (4) n IC(4) n 2 6 n (, 384 (D1 D6) (34) 1 (16) (RGBeven) (RGBodd) (34) 1 (16) (R), (G), (B)

(36) ()

(12) 1 (16) n/6
 (14) 2 (14)
 (SSP) (SSC) (SSP) 3a 3b
 (14) (CAR) (SSC)

1 (1H)

1 (16) (12) (34)
 (RGBeven, RGBodd) 1 (16) n (R, G (3
 , B) n 1 (13) 1 (13) (R, G, B) (3
 6) 1 (16) (RGBeven)
 (RGBodd), 6

1 MUX (15) (POL) 1 (16) 1 MUX (17)
 (R, G, B) 1 MUX (17) 1 (13) 1 (13) (POL)
 1 MUX (17) 1 (13) 1 (13) 2 (POL)
 18) 1 MUX (17) 가 1 MUX (15) (POL)
 1 (13) (R, G, B)가 2 (18) 3a 3b
 2 (18) 1 MUX (15) 1 (16)
 1 (1H) (R, G, B) (POL) 2 DAC (20) P(Pos
 itive)DAC(22) N(Negative)DAC(24) (R, G, B)

2 (18) 1 (16) 1 MUX (15) (R, G, B)
 (18) 1 (16) (SOE) 2 n+1
 2 (19) (R, G, B)가 (SOE) 3a 3b 1 (1H)
) (R, G, B) 2 (18)

DAC (20) 2 (18) (R, G, B) (36)
 (GH, GL) , DAC (20) n+1
 PDAC(22) NDAC(24) PDAC(22) NDAC(24)
 PDAC(22) 2 (18) (R, G, B) (GH)
 NDAC(24) 2 (18) (R, G, B)

(GL)

(26) n+1 (28) DAC (20) PDAC(22) NDAC(24)

2 MUX (30) (POL) 2 MUX (30) n 2 MUX (32) 2
 MUX (32) (POL) 2 (28) 2 (28) 2
 (D) , 가 2 MUX (30) (POL)
 2 MUX (32) (28) (28) 가 (D1 D6)
 (28) , 2 MUX (30) (POL) (28)
 (28) 가 (D1 D6)
 (POL) 1 MUX (15) 2 MUX (30) 1 MUX
 3b (15) 1 (1H) (D1 D6)
 (POL) (D1 D6)
 2 MUX (30) 3a 3b DL1, DL3, DL5
 (Dodd) DL2, DL4, DL6 (Deven)
 (Dodd)

(Deven)

(GL1, GL2, GL3, ...)

1

(1H)

IC (4)

n

IC (4)

n+1

DAC

가가

가

IC

1

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1

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가

, 1

n(n)

n

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n

n

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n

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n

n

+1

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n

n+1

n

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2

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3

가가

.

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2

1

n-1

2

n

, 3

3

2

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2

n

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1

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3

2

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n

1

1

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2

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n

1

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2

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1 2 가 1/2

가 .

1 1 2

1 1 2

1 1 2

1 1 2

, ; - 1 n
2 가

, 4k-3(k) 4k-2

1 1 1 2 , 1 2 , 2

2 2 2 2 2 , - -

n 1

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n

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1/2 가 .

1 가 .

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n

가

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n

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가

1/2

1

2

1 2

1

1

가

4k-3(k

)

4k-2

1

, 2

2

1 2

가

가

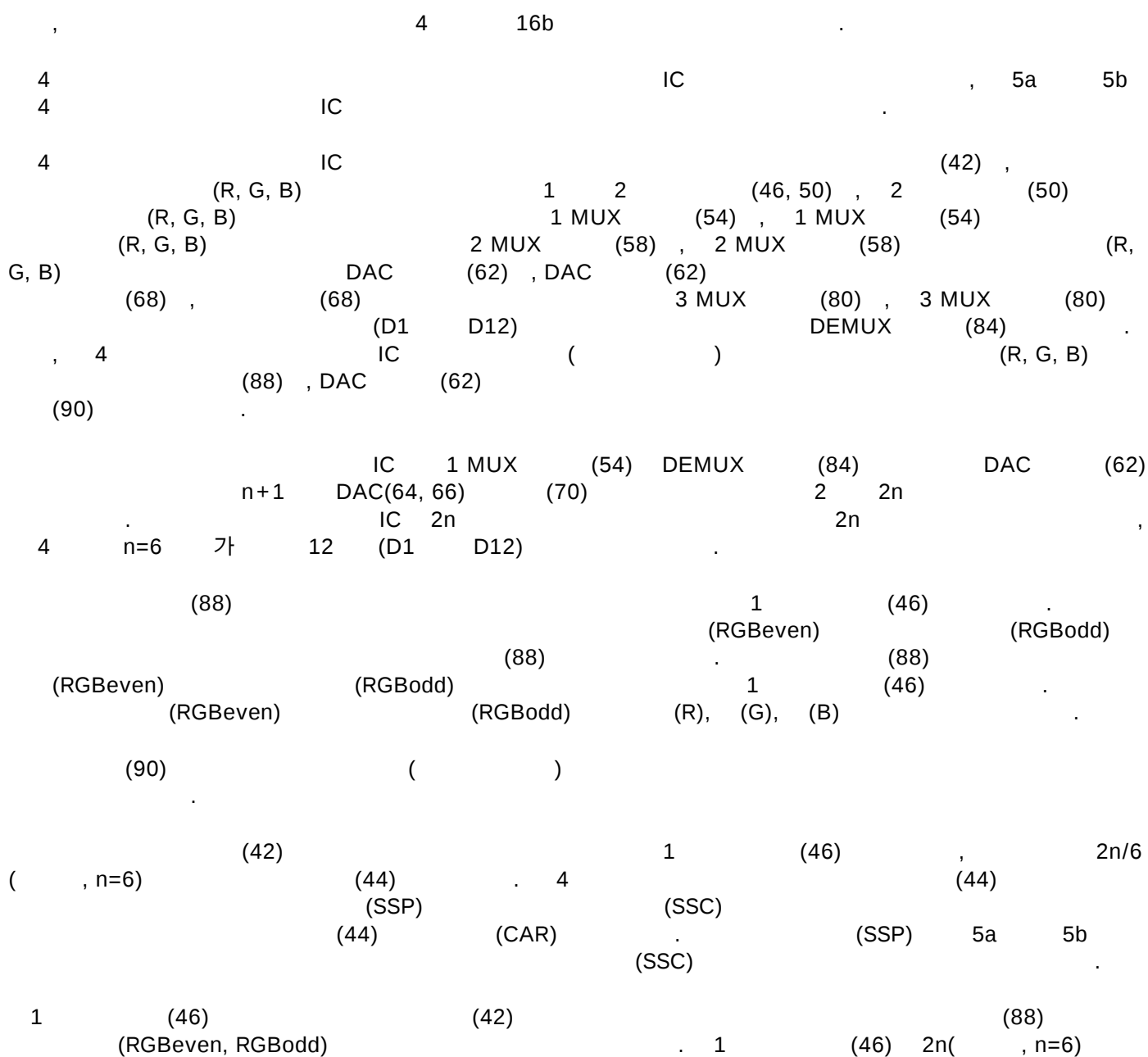
n

가

가

n

가 1/2



(R, G, B) 2n 1 (48) 1 (48) (R,
 G, B) (3 6) 1 (46)
 (RGBeven) (RGBodd), 6
 2 (50) 1 (46) (R, G, B)
 (SOE) 2 (52) 2 (50) 1 (46) 2n(
 , n=6) 5a 5b
 1 MUX (54) 1 2 (Θ1, Θ2) 2 (50)
 2n(, n=6) H/2 n 1 MUX (56) 2 (50) 1 MUX (5)
 (54) n 1 MUX (56) 1 MUX (56) 2 (52)
 2) 1/2
 2 (52) 1 MUX(56) 1 (Θ1) 2 (Θ2)
 2 2 (52) 1 MUX(56) 2
 1 MUX(56) 1 (Θ1) 2 (52) 3 2 (
 52) 1 1 MUX(56) 2 (Θ2) 2 (52) 4 2
 (52) 2 (Θ1, Θ2) 5a 5b
 가 ,
 2 MUX (58) (92) (POL) 1 MUX (54) 2 MUX (6
 0) (R, G, B) 2 MUX (60) 1 MUX(56) 2 MUX (POL)
 1 MUX (56) 1 MUX (56) 1 MUX (56) PDAC(66)
 2 MUX(60) 가 2 MUX (58) (POL) 5a
 1 MUX (56) DAC (62) (R, G, B)가 DAC (62) (POL) 5a
 5b (R, G, B) (POL) DAC (62) 1 MUX (54)
 NDAC(66) (R, G, B) (R, G, B) PDAC(64)
 60) 1 1 MUX(56) 1 3 2 MUX(
 PDAC1(66) 1 MUX (56) 2 4
 2 MUX(60) NDAC1(64) 1 3
 2 MUX(60) NDAC1(64) , 2 4 2 MUX(60)
 PDAC2(66)
 DAC (62) 2 MUX (58) (R, G, B) (90) DAC (62) n+1
 (GH, GL) PDAC(66) NDAC(64) (GH)
 PDAC(66) 2 MUX (58) NDAC(64) (R, G, B) (GH)
 NDAC(64) 2 MUX (18) PDAC(66) NDAC(64) 1/2
 (GL)
 , PDAC1(66) 5a 5b 1
 [1,1] [1,3] NDAC2(64) 5a 5b
 1 [1,2] [1,4]
 , 2 NDAC2(64) [2,1] [2,3]
 PDAC2(66) 2 [2,2] [2

(4)	n			DAC	(62)	2n	가 1/2
		(68)	n+1	(70)	DAC	(62)	PDAC(66) NDAC(64)
3 MUX	(80)			(POL)			(68)
	3 MUX (82)			(POL)	3 MUX (80)	n (n=6)	3 MUX (82)
				(70)	가	(70)	2
3 MUX	(82)			(70)	3 MUX (82)	가	(POL)
	(70)		3 MUX (82)	(70)	(POL)		DEMUX (86)
			2 MUX (58)	가 DEMUX (86)			(70)
OL)	(70)		3 MUX (80)	2 MUX (58)	5a (58)	5b	(POL)
)				3 MUX (80)			
DEMUX	(84)		1 2	($\Theta 1, \Theta 2$)			3 MUX (80)
	(84) n	2n (n=6)	DEMUX(86)	DEMUX(86)	3 MUX(82)		DEMUX
			3 MUX(82)	2	DEMUX(86)	1	($\Theta 1$)
6)	2		($\Theta 2$)	2	3 MUX(82)	2	DEMUX(8
		1 2	($\Theta 1, \Theta 2$)	가	5a 5b		1 MUX (54)
		DEMUX(86)	5a 5b	1	($\Theta 1$)		1/2
86)	5a	3 MUX(82)	1 3	(D1, D3)			DEMUX(
(82)	5b	2 4	2	($\Theta 2$)	1/2		3 MUX
			(D2, D4)				
		DEMUX(86)	1	($\Theta 1$)	1	(GL1)	1
		[1,1]	1	(D1)			[1,3] 3
H1)	(D3)		DEMUX(86)	2	($\Theta 2$)		1 (
	(D4)	[1,2]	2	(D2)			[1,4] 4
		[2,1], [3,1]	1	(DL1)	(H2) 3	(H3)	[2,3], [3,3]
3	(DL3)		DEMUX(86)	2	(H2) 3	(H3)	(H3)
[2,4], [3,4]	4	[2,2], [3,2]	2	(DL2)			
		(DL4)					
DL2, DL4		IC	DL1, DL3		5a 5b		(DL2, DL4, ...)
			(DL1, DL3, ...)	1	(1H)		
6	7	4	IC	(POL)			
	(POL)가	(	)	2 MUX	(58)	6	1 2
6)	(46, 50)	1 MUX	(54)	6	PDAC4(66)		PDAC1(6
	NDAC3(64)					1 MUX(56)	
	PDAC1(66)			3 MUX	(80)	PDAC1(66)	NDAC3(64)
	(68)			DEMUX	(86)		
DEMUX	(86)	3 MUX (82)			12	(DL1	DL12

)

(POL)가 () 2 MUX (58) 7 1

2 (46, 50) 1 MUX (54) 6 PDAC1(

66) NDAC1(64) PDAC3(66)

1 MUX(56) PDAC4(66) 3 MUX (82)

NDAC1(64) PDAC4(64) (68)

DEMUX (86) DEMUX (86) 3 MUX (82)

12 (DL1 DL12)

IC DAC 가 n+1

DAC IC 2n 2n DAC IC 1/2 , n+1 DAC

8 IC , 10a 10b 8

IC , 9a 9b 8

(148) m-1 m

8 IC (102) ,

(R, G, B) 1 2 (106, 110) , 2 (110)

(R, G, B) 1 MUX (114) , 1 MUX (114)

(R, G, B) (128) , DAC (122) 2 MUX (140) ,

2 MUX (144) (140) (DL1 D12) DEMUX

, 8 IC () (R, G, B)

(150) (148) , DAC (122)

122) n+2 IC 1 MUX (114) DEMUX (144) DAC (

, 8 n=6 가 12 (DL1 D12) 2n 2n

(90) ()

(148) 1 6 (IB1 IB6) 1

(106) (148) (OR, OG, OB) (ER, EG, EB) , 1 6

(148) (OB1 OB6) (OR, OG, OB) (ER, EG, EB)

G, EB) , (148) 9a 9b 6 (OR, OG, OB, ER, E

ER, EG, EB) 1 6 (SSP) (IB1 IB6) (SSC) 6 (OR, OG, OB,

(148) m-1 9a

4k-2(, k) , 7 8 , 10 11 , 9a

1 MUX (116) , 11

1 MUX (148) (OR, OG, OB, ER, EG, EB)

1 MUX (114) DAC (122) (POL)

MUX

, (148) m 9b

$4k-2(\quad , k \quad)$ $4k-1$ 2 ,
 $(OB1 \quad OB6)$ (148) 1 ,
 $3 \quad (OB3) \quad , \quad 3 \quad (OB4) \quad , \quad 2 \quad 5 \quad (OB5)$
 $, 4 \quad 6 \quad (OB6) \quad 2 \quad , 5$
 $1 \quad (OB1) \quad , \quad 7 \quad 2 \quad (OB2) \quad , \quad 6 \quad 3 \quad (OB3)$
 (148) $(ORO, OGO, OBO, ERO, EGO, EBO)$
 (OR, OG, BO, ER, EG, EB) ,
 $2/3$.
 (102) 1 (106) $2n$
 $/6(\quad , n=6)$ (104) 8 (104)
 (SSP) (SSC)
 (104) (CAR) (SSP) $10a$
 $10b$ (SSC)
 1 (106) (102) (148)
 $1 \quad 6 \quad (OB1 \quad OB6)$ 6 1 (108) 1 (10)
 $(106) \quad 2n(\quad , n=6)$ $(6 \quad 8 \quad)$ $2n$ 1 (106) $9b$
 $8)$ 2 2 1 $($ $)$.
 $, m-1$ 1 (108) 12 1 (108) (148)
 $1, 3, 2, 4, 5, 7, 6, 8, 9, 11, 10, 12$ $가$ $, m$
 (148) 2 (108) $($
 $108)$ $가$ (108) 12 (108) 2 $1, 3, 2, 4, 5, 7,$
 $6, 8, 9, 11$ $가$ $, 10$ 12 2 .
 2 (110) 1 (106) 2 (110) 1 (106) $2n($
 (SOE) $, n=6)+2$ 2 (112) (SOE) $10a$ $10b$.
 1 MUX (114) $(\Theta 1)$ 2 (110) $2n($
 $, n=6)$ $H/2$ n $, 1 \text{ MUX}$ (114) $가 2$ 1 MUX (114) n
 1 MUX (116) $, 1 \text{ MUX}$ (114) $가 2$ 1 MUX (116) (110) 2 $(1$
 1 $1 \text{ MUX}($ $)$ 1 MUX (116) 2 (110) 2 $(1$
 (112) $, 1 \text{ MUX}$ (116) 2 $(1$
 $12)$ $1/2$.
 $1 \text{ MUX}(116)$ $(\Theta 1)$ 2
 2 (112) DAC (122) $PDAC(124)$ $, DA$
 $1 \text{ MUX}(56)$ $(\Theta 1)$ 2 2 (112) DA
 C (122) $NDAC(126)$.
 $, m-1$ $1 \text{ MUX}(56)$ $(\Theta 1)$ 2
 (112) 1 $, 1 \text{ MUX}(116)$ 2 (112) 3 $PDAC1$
 (124) $, 1 \text{ MUX}(116)$ $(\Theta 1)$ 2 (112) 2 (112)
 2 $, 1 \text{ MUX}(116)$ 2 (112) 4 $NDAC1(126)$
 $, m$ $1 \text{ MUX}(56)$ $(\Theta 1)$ 2
 (112) 1 $, 1 \text{ MUX}(116)$ $(\Theta 1)$ 2 (112) 3 $NDAC1(126)$
 $C1(126)$ $, 1 \text{ MUX}(116)$ $(\Theta 1)$ 2 (112) 4 $NDAC1(126)$
 $)$ 2 $, 1 \text{ MUX}(116)$ $(\Theta 1)$ 2 (112) 4 $NDAC1(126)$
 $, 1 \text{ MUX}(116)$ $(\Theta 1)$ 2 (112) 4 $NDAC1(126)$
 $(\Theta 1)$ $10a$ $10b$ $1/2$ $(H/2)$

DAC (122) 1 MUX (114) (150)
 (GH, GL) , DAC (122) n+1 P
 DAC(124) NDAC(126) PDAC(124) NDAC(126)
 PDAC(124) 1 MUX (114) (GH)
 () (R, G, B)
 () (GL) PDAC(124) NDAC(126)
 126) 1/2
 , PDAC1(124) 10a 10b 1
 [1,1] [1,3] NDAC2(126) 10a 10b
 [1,2] [1,4]
 , 2 NDAC1(126) [2,1] [2,3]
 PDAC2(124) 2
 [2,2] [2,4] DAC (122) 2n 가 1/2
 n
 (128) n+1 (130) DAC (122) PDAC(124) NDAC(126)
 2 MUX (140) (POL) (128)
 , 2 MUX (140) n(, n=6) MUX (142)
 MUX (142) (POL) (130) 2 (70)
 가 3 MUX (142) m-1 2
 (130) (130) 가 DEM
 UX (146) (POL) (70) 2 MUX (142) m 가 DEMUX (86)
 POL) (70) (POL) 2 MUX (140) 10a 10b
 2 MUX (140) (POL)
 DEMUX (144) (Θ1) 2 MUX (140)
 2n (, n=6) DEMUX(146) 2 MUX(142) DEMUX (144) n
 DEMUX(146)
 , DEMUX(146) 10a 10b (Θ1) 1/2
 MUX(142) 1 3 (D1, D3) DEMUX(142)
 6) 10a 10b (Θ1) 1/2
 2 4 (D2, D4)
 , DEMUX(146) (Θ1) 1 (GL1) 1
 [1,1] 1 (D1) [1,3] 3
 (D3) DEMUX(146) (Θ1) 1 (H1)
 [1,2] 2 (D2) [1,4] 4
 (D4) DEMUX(86) 2 (H2) 3 (H3)
 [2,1], [3,1] 1 (DL1) [2,3], [3,3]
 3 (DL3) DEMUX(86) 2 (H2) 3 (H3)
 [2,2], [3,2] 2 (DL2)
 [2,4], [3,4] 4 (DL4)
 IC DL1, DL3
 DL2, DL4 10a 10b
 (DL1, DL3, ...) (DL2, DL4, ...)
 (GL1, GL2, GL3, ...) 1 (1H)

11 12 8 IC (POL)

m-1 1 2 (106, 110) 1, 3, 2, 4, 5, 7, 6, 8, 9, 11, 10, 12
가 (POL)가 () m-1 1 MUX
(114) 11 2 (110) 1, 2, 5,
6, 9, 10 , 3, 4, 7, 8, 11, 12 PDAC1(124) NDAC3(126)
) 2 MUX (142) PDAC1(124) NDAC3(126)
(128) DEMUX (146) 12 (DL1 D
. DEMUX (146) 2 MUX (142) L12)

m 1 2 (106, 110) 1, 3, 2, 4, 5, 7, 6, 8, 9, 11, 10, 12
가 2 가 ()가 (POL)가 ()
) , m 1 MUX(116) 1 MUX (116) 12
, 2 (110) 1, 2, 5, 6, 9, 10
3, 4, 7, 8, 11, 12 NDAC1(126) PDAC4(124)
2 MUX (142) NDAC1(126) PDAC4(124) ()
128) DEMUX (146) 2 MUX (142) DEMUX (146) 12 (D
L1 DL12)

DAC IC 2n 2n IC DAC 가 n+1
DAC IC 1/2 , n+1 DAC
13 4 8 IC가
13 TCP(80) (72) TCP(76) (72) IC (74) ,
IC (74) TCP(76) , TCP(76) (72)
IC (78) TCP(80) (72) TCP(80)
IC (78) (72) 1 (1H)
(72) IC (74) 1/2 (H/2) , 8n , 2n
n IC(74) 4
가 1 (1H)
(1H) 1/2 (H/2) 1
가 , , 1 (1H) 1/2

14a 14b

4 (DL1 DL4), 14a 4 8 1 14b

2) 14a, 1 (H1) H/2 (Θ1 / Θ2)

[1,1], [1,2]가 1 (DL1) [1,1] ()

2 (DL2) [1,2] (Θ1 / Θ2)

[1,3], [1,4]가 3 (DL3) [1,3] ()

(DL4) [1,4] 4

1), [2,2]가 2 (H1) H/2 (Θ1 / Θ2) [2,

1 (DL1) [2,1] ()

2 (DL2) [2,2] ()

[2,3], [2,4]가 3 (DL3) H/2 (Θ1 / Θ2)

4 (DL4) [2,3] ()

[2,4]

13b, 1 (H1) H/2 (Θ1 / Θ2)

2) [1,3], [1,4]가 3 (DL3) [1,3] ()

[1,4] (Θ1 /

4 (DL4) H/2 (Θ1 /

Θ2) [1,1], [1,2]가 1 (DL1) [1,1] ()

2 (DL2) [1,2]

3), [2,4]가 2 (H1) H/2 (Θ1 / Θ2) [2,

3 (DL3) [2,3] ()

[2,4] 4 (DL4)

H/2 (Θ1 / Θ2) [2,1], [2,2]가 1 (D

L1) [2,1] ()

[2,2] 2 (DL2)

15a 15b

1 4 (DL1 DL4), 15a 4 8 15b

15a, 1 (H1) H/2 (Θ1 Θ2)

[1,1], [1,2]가 1 (DL1) [1,1] ()

(DL2) [1,2] 2

[1,3], [1,4]가 3 (DL3) [1,3] H/2 (Θ1 / Θ2)

(DL4) [1,4] 4

$$\begin{array}{c}
\begin{array}{c}
\text{2} \\
\text{1} \\
\text{2) }
\end{array}
\begin{array}{c}
\text{(H1)} \\
\text{[2,3], [2,4]} \\
\text{3} \\
\text{(DL4)} \\
\text{[2,1], [2,2]} \\
\text{1} \\
\text{(DL1)}
\end{array}
\begin{array}{c}
\text{H/2} \\
\text{[2,3]} \\
\text{(DL3)} \\
\text{[2,1]} \\
\text{[2,2]}
\end{array}
\begin{array}{c}
\text{(}\Theta 1 \text{ / } \Theta 2\text{)} \\
\text{[2,3]} \\
\text{[2,4]} \\
\text{(}\Theta 1 \text{ / } \Theta 2\text{)} \\
\text{[2,2]}
\end{array}
\begin{array}{c}
\text{1} \\
\text{(} \\
\text{)} \\
\text{2}
\end{array}
\begin{array}{c}
\text{(H1)} \\
\text{)} \\
\text{)} \\
\text{)} \\
\text{)} \\
\text{)} \\
\text{)}
\end{array}
\end{array}$$

2) ()

14b , 1 (H1) H/2 (Θ1 / Θ

[1,3], [1,4]가 [1,3] [1,4]

3 (DL3)

4 (DL4)

(Θ1 / Θ2)

[1,1], [1,2]가 [1,1] H/2

1 (DL1)

[1,2]

2 (DL2)

$$\begin{array}{c}
\begin{array}{c}
\text{2} \\
\text{[2,3], [2,4]가} \\
\text{3}
\end{array}
\begin{array}{c}
\text{(H1)} \\
\text{[2,1], [2,2]가} \\
\text{1}
\end{array}
\begin{array}{c}
\text{H/2} \\
\text{(DL1)} \\
\text{[2,3]}
\end{array}
\begin{array}{c}
\text{(DL2)} \\
\text{[2,3]}
\end{array}
\begin{array}{c}
\text{(DL3)} \\
\text{[2,4]}
\end{array}
\begin{array}{c}
\text{(DL4)}
\end{array}
\end{array}
\begin{array}{c}
\text{(}\Theta 1 \text{ / } \Theta 2\text{)} \\
\text{[2,1]} \\
\text{[2,2]} \\
\text{(}\Theta 1 \text{ / } \Theta 2\text{)} \\
\text{[2,4]}
\end{array}
\begin{array}{c}
\text{1} \\
\text{(} \\
\text{)} \\
\text{4}
\end{array}
\begin{array}{c}
\text{(H1)}
\end{array}$$

16a 16b

8 1 4 (DL1 DL4) 16a 4

, 16b .

$$\begin{array}{lcl}
2) & \begin{array}{l} 16a \\ [1,1], [1,2]가 \\ 1 \end{array} & \begin{array}{l} (H1) \\ (DL1) \end{array} \\
2 & \begin{array}{l} (DL2) \\ [1,3] \end{array} & \begin{array}{l} H/2 \\ [1,2] \end{array} \\
4 & \begin{array}{l} (DL4) \\ [1,4]가 \\ 3 \end{array} & \begin{array}{l} (DL3) \\ [1,3] \end{array}
\end{array}$$
[illegible]

2) 16b, 1 (H1) H/2 (Θ1 / Θ2) (1,3) (1,4) (DL3), (DL4) 4 (DL4) H/2 (Θ1 / Θ2) (1,1), [1,2]가 (DL1), [1,2] (DL2) 2 (H1) H/2 (Θ1 / Θ2) 1 (H1) [2,1], [2,2]가 (DL1), [2,2] (DL2) 2 (DL2) H/2 (Θ1 / Θ2) [2,3], [2,4]가 (DL3), [2,3] (DL4) 3 (DL3), [2,4] 4

가

.

3.

1 ,

1

 $n(n)$

n ,

-

n

,

n

n

.

4.

3 ,

-

n

 $n+1$

-

,

-

-

.

5.

4 ,

n

 $n+1$

-

n

-

2

;

n

3

가

.

6.

5 ,

2

2

1

n

 -1 2

,

3

2

-

n 3

,

1

2

2

,

-

2

3

.

7.

3 ,

n

1

1

,

2

.

8.

7 ,

n

1

2

9.

8 ,

1 2

가

1/2

10.

5 ,

가

11.

7 ,

1

1 2

12.

11 ,

1

1 2

13.

11 ,

1

1 2

14.

11 ,

1

1 2

15.

4 ,

1

;

- 2^n 가

15 **16.** ,

$$4k-3(k) \quad 4k-2$$

15 **17.** ,

$$\begin{aligned} &1 \quad 1 \\ &2 \quad 2 \quad 1 \\ &1 \quad 2 \end{aligned}$$

17 **18.** ,

$$\begin{aligned} &2 \quad 2 \quad - \\ &n \quad 2 \\ &- \quad 2 \quad 2 \end{aligned}$$

17 **19.** ,

$$\begin{aligned} &n \quad 1 \\ &, \end{aligned}$$

19 **20.** ,

$$n$$

20 **21.** ,

$$1/2 \quad \text{가}$$

15 **22.** ,

$$1 \quad \text{가}$$

23.

19

1

24.

23

1

25.

23

1

26.

23

1

27.

1

28.

29.

28

가

30.

28

,

가

31.

28

,

-

,

가

32.

31

,

가

33.

28

,

n

가

2

가

1

,

34.

33

,

n

가

2

가

1

,

35.

34

,

1

2

가

1/2

36.

33

,

,

37.

36

,

$1 \quad 2$

38.

36

,

1

39.

36

,

1

40.

28

,

;

가

41.

40

,

$4k-3(k \quad) \quad 4k-2$

42.

41

,

1

,

2

2

,

$1 \quad 2$

43.

40

,

n

가

가

44.

43 ,

가 n 가
,

44 45. ,

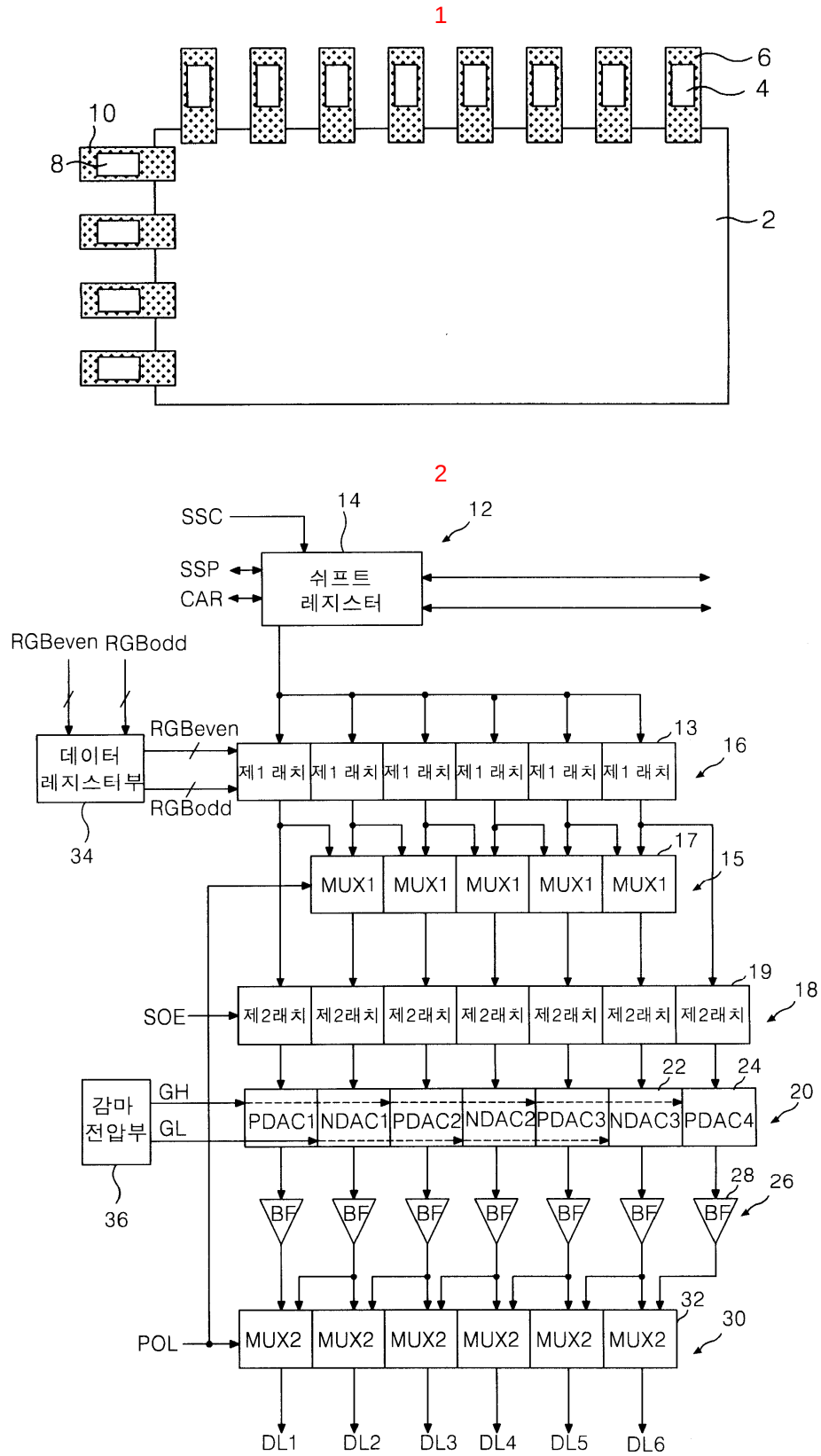
가 1/2

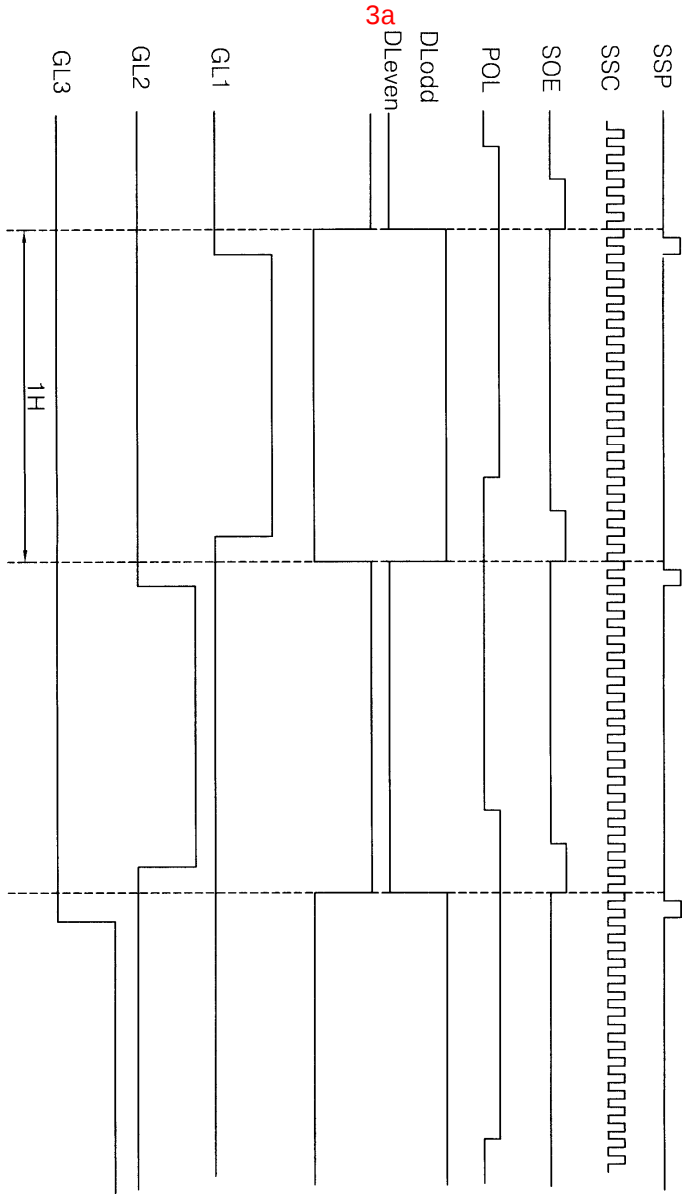
44 46. ,

46 47. ,

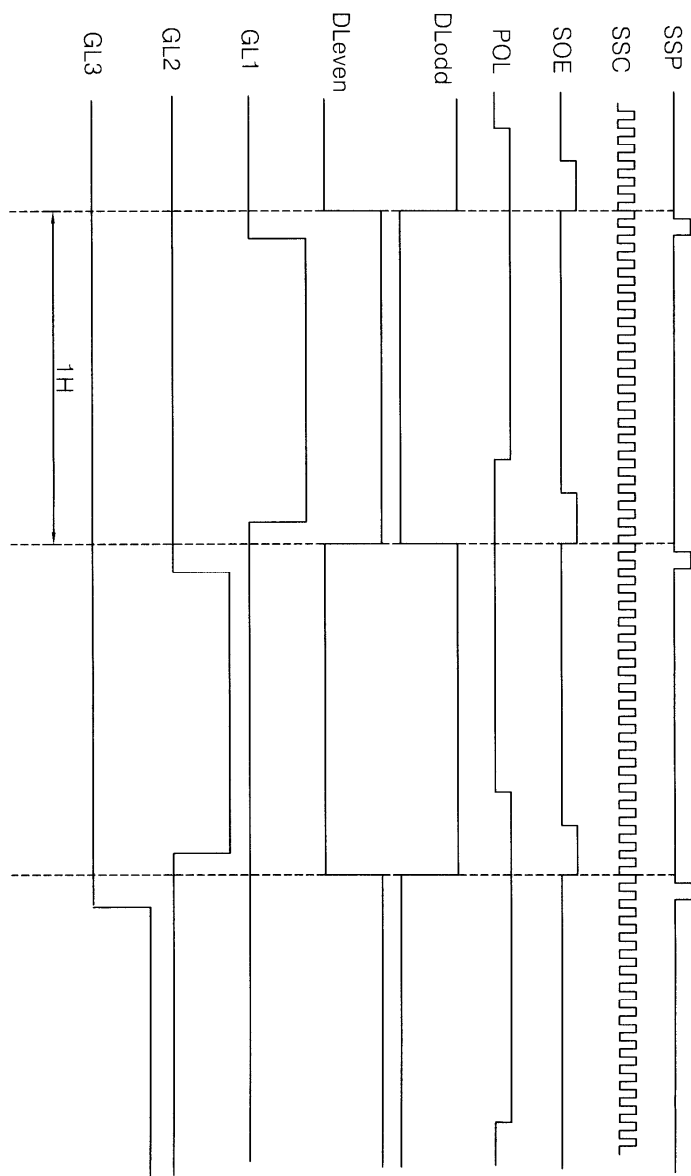
46 48. ,

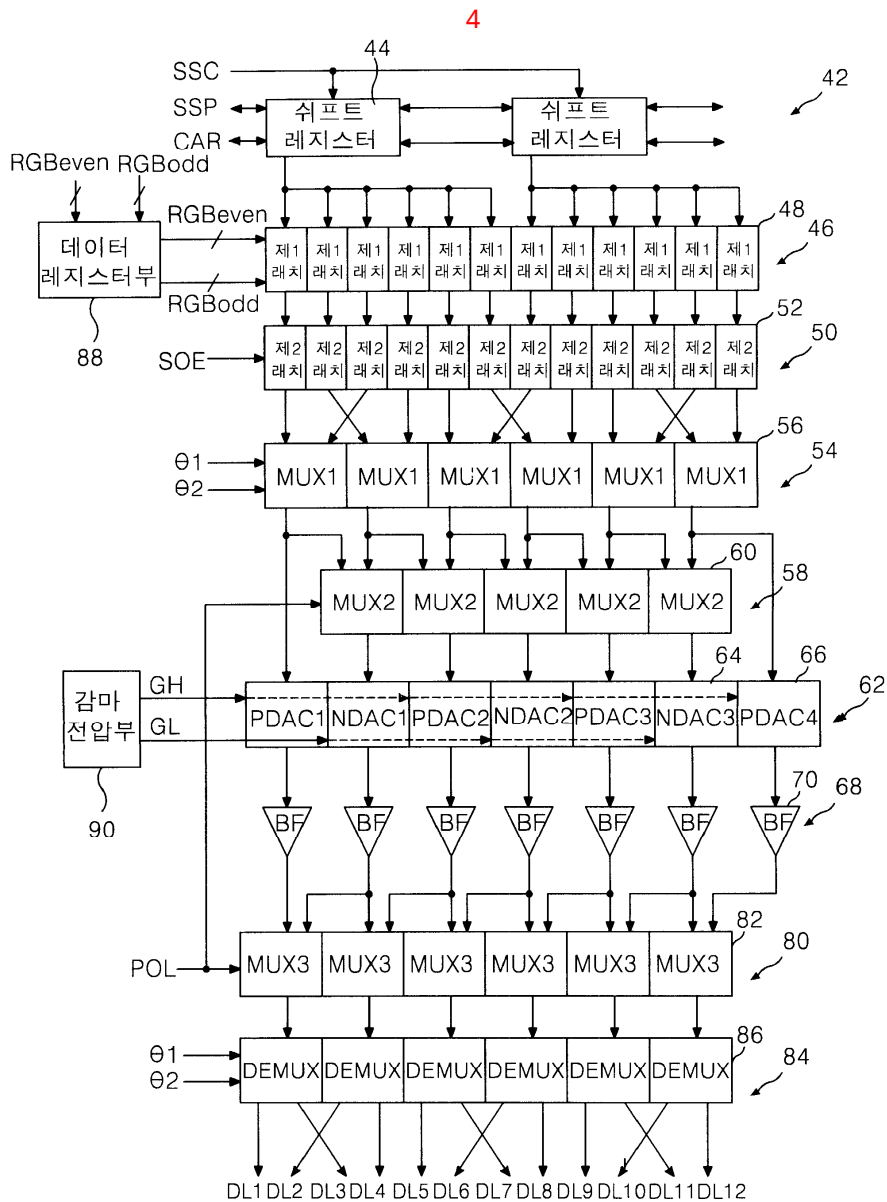
46 49. ,



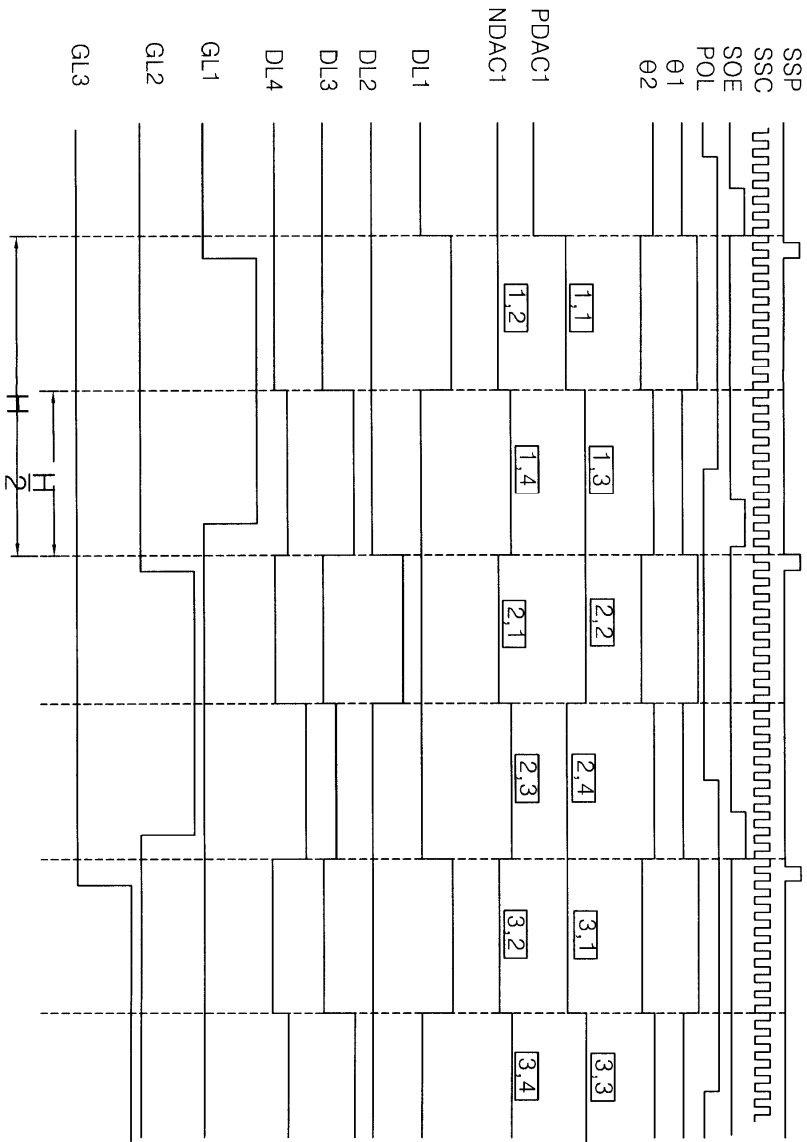


3b

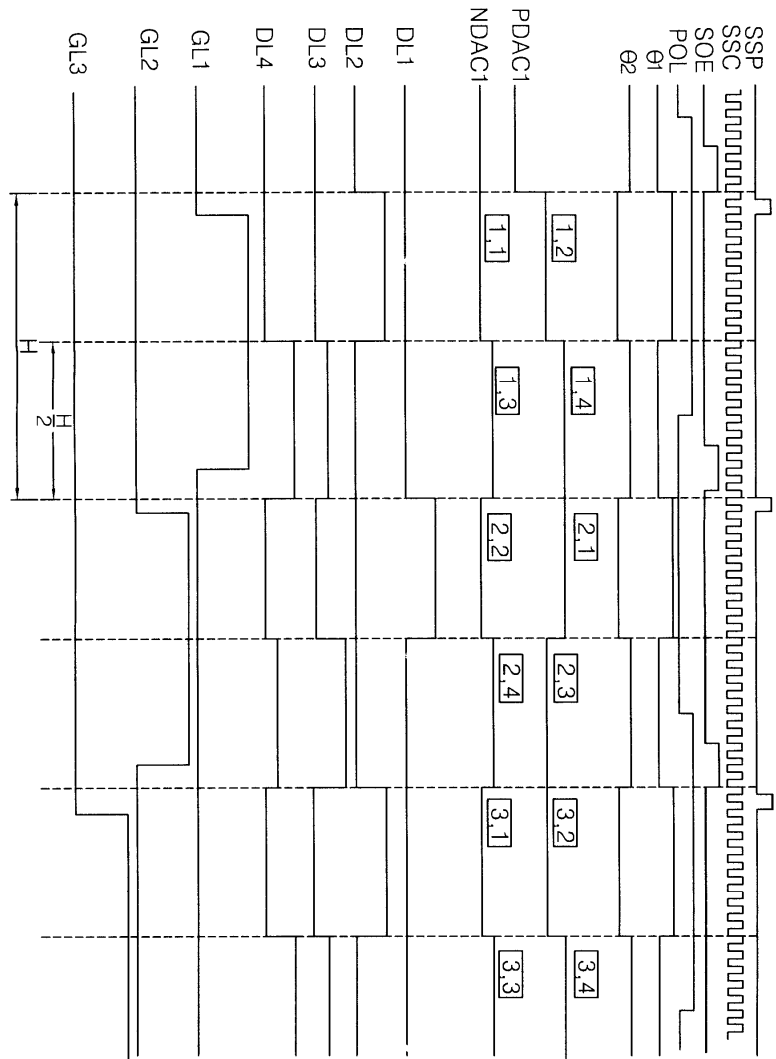




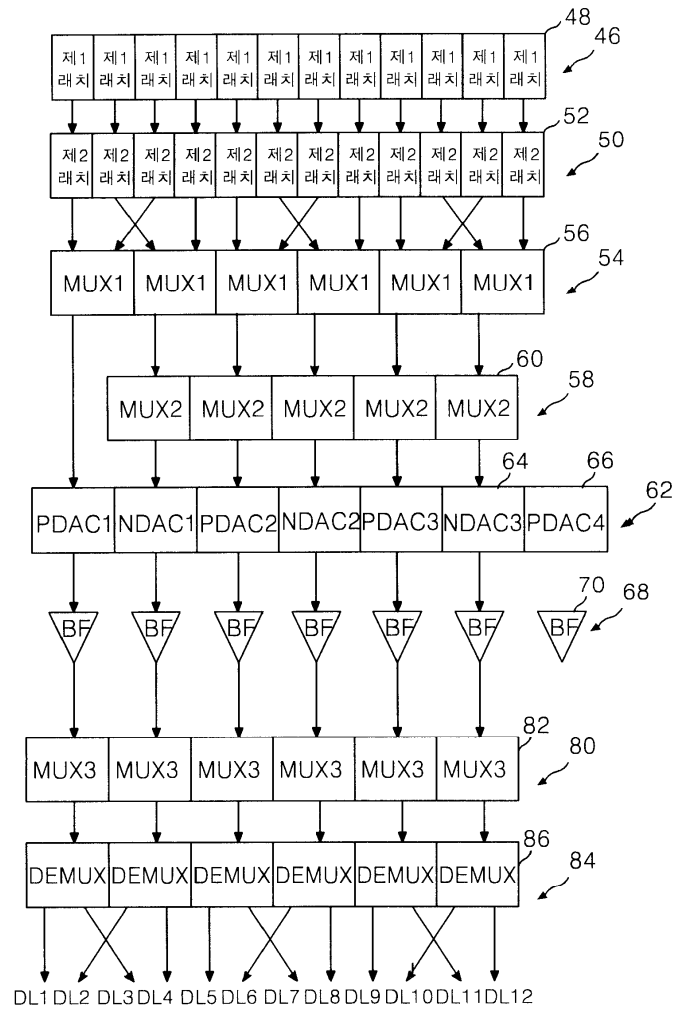
5a



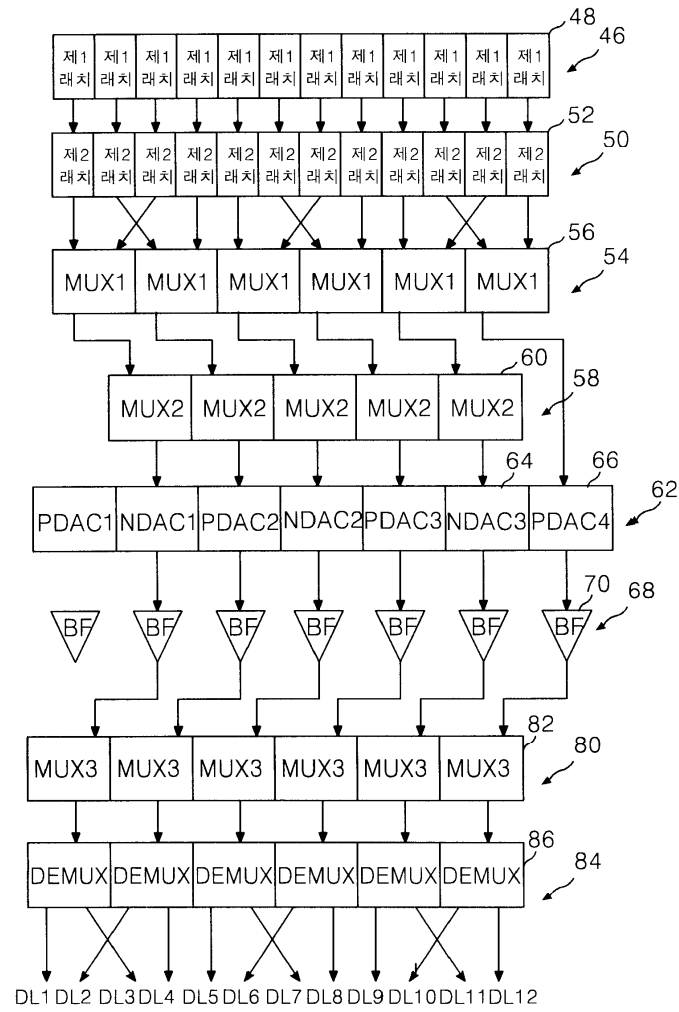
5b

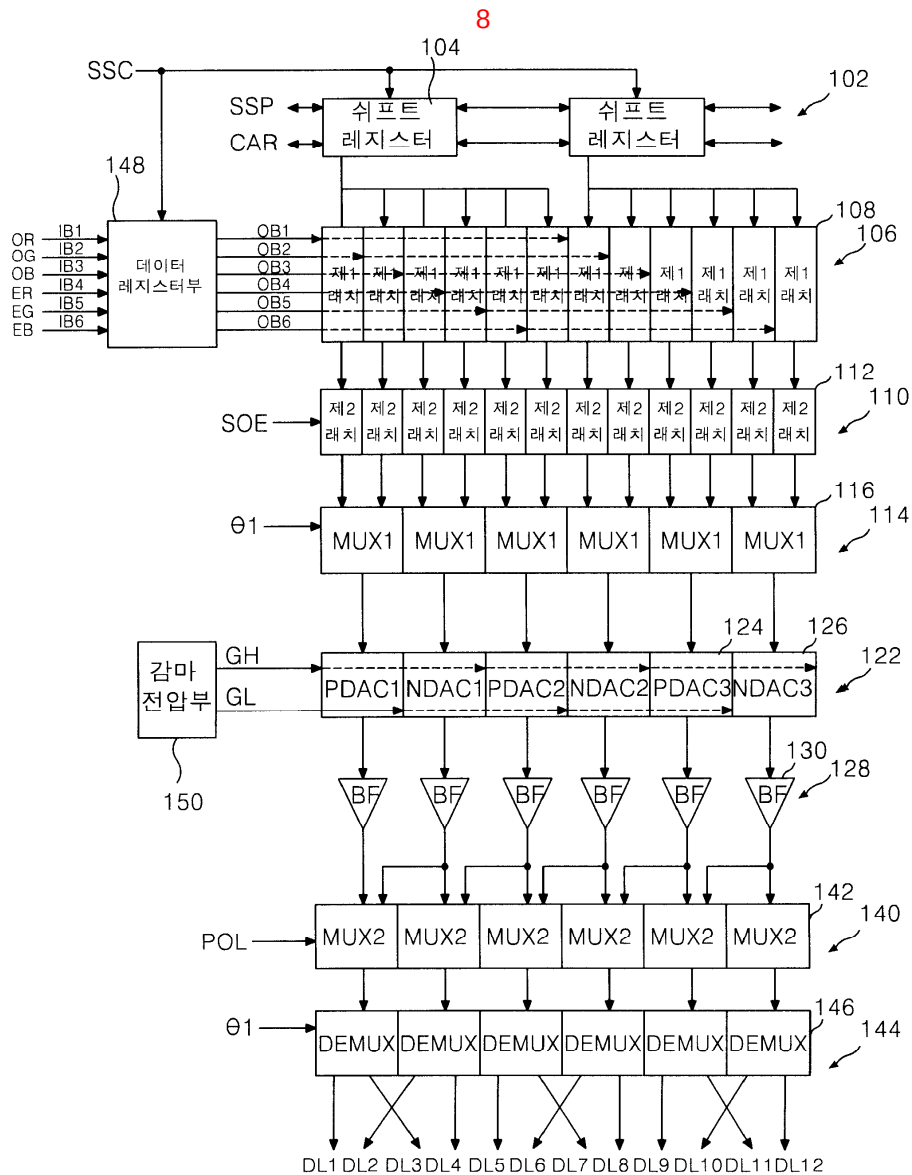


6



7





[illegible]

SSP

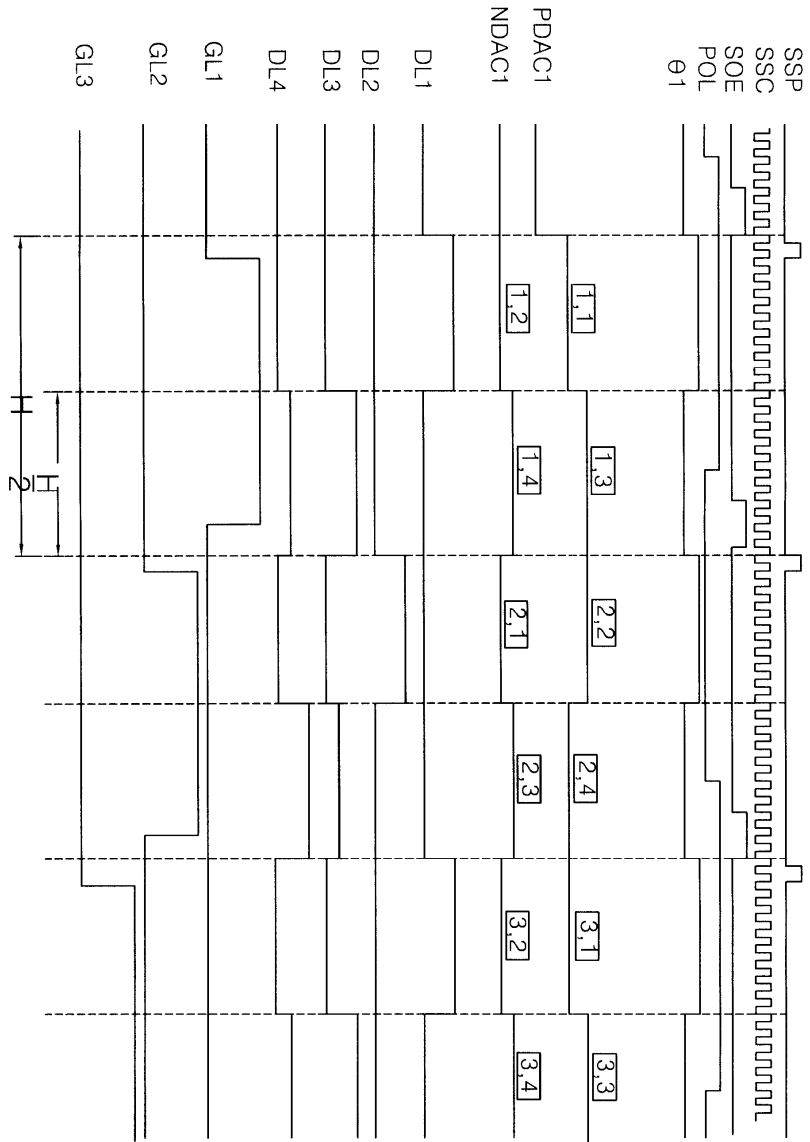
SSC

IB1	1	7	13	19	25	31	37	43
IB2	2	8	14	20	26	32	38	44
IB3	3	9	15	21	27	33	39	45
IB4	4	10	16	22	28	34	40	46
IB5	5	11	17	23	29	35	41	47
IB6	6	12	18	24	30	36	42	48

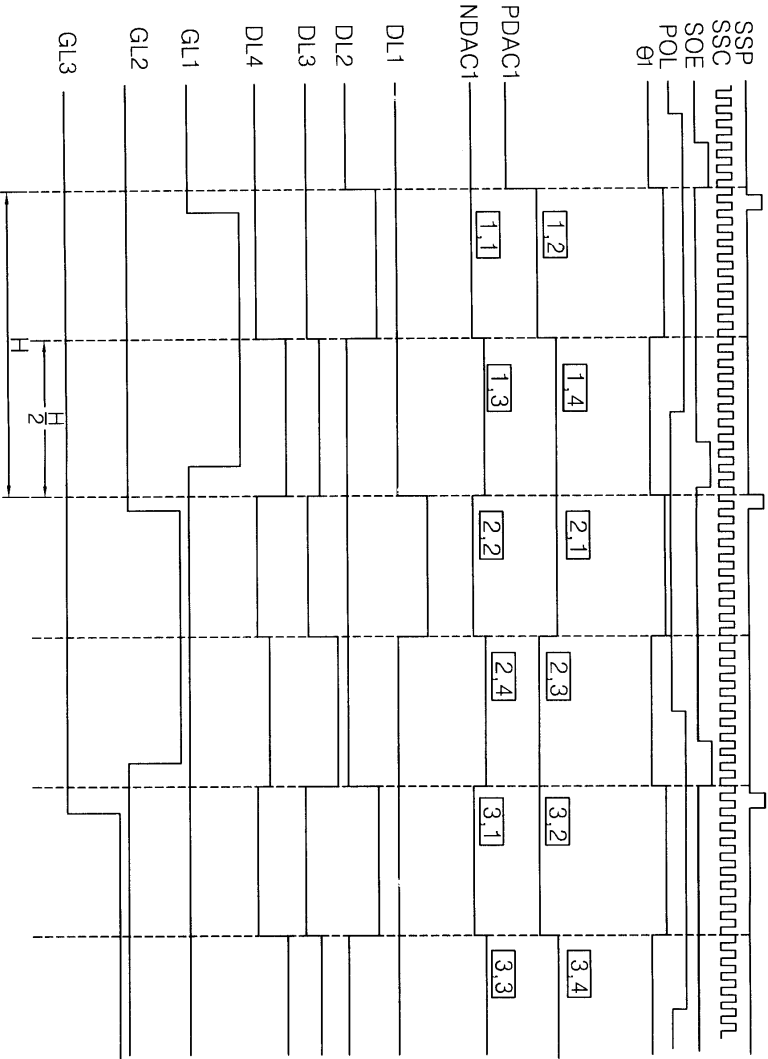
9

OB1		5	10	17	22	29	34	41
OB2		7	12	19	24	31	36	43
OB3	1	6	13	18	25	30	37	42
OB4	3	8	15	20	27	32	39	44
OB5	2	9	14	21	26	33	38	45
OB6	4	11	16	23	28	35	40	47

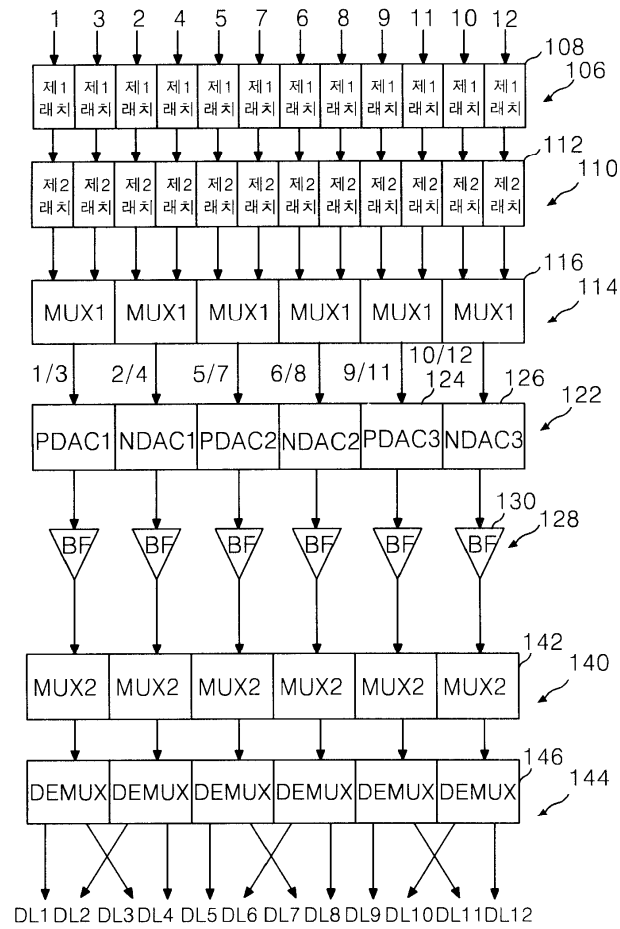
10a

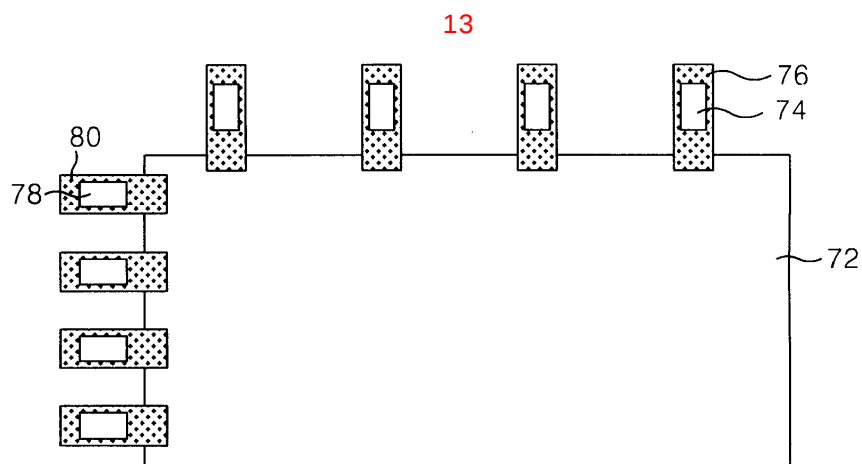
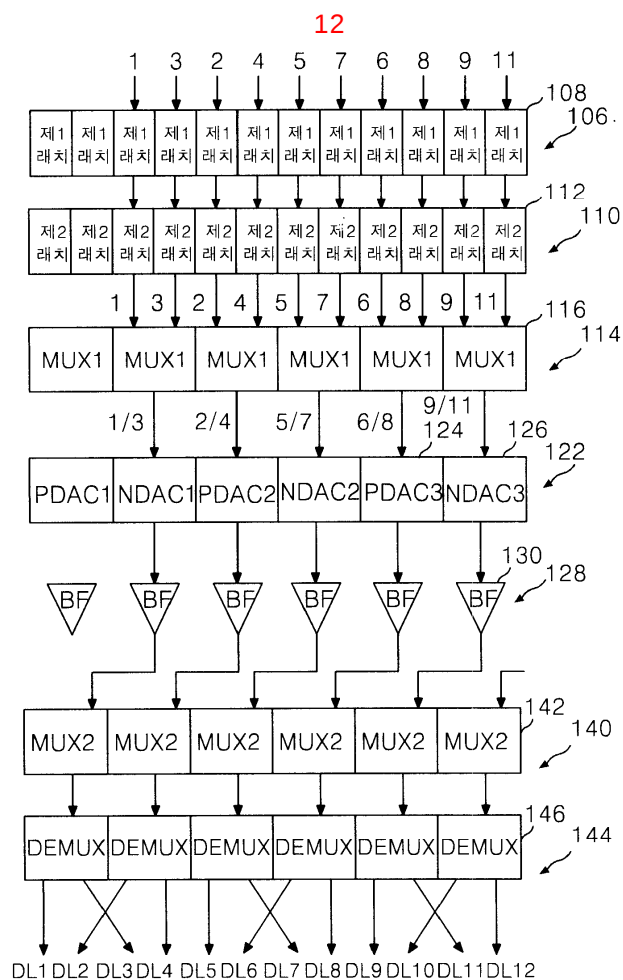


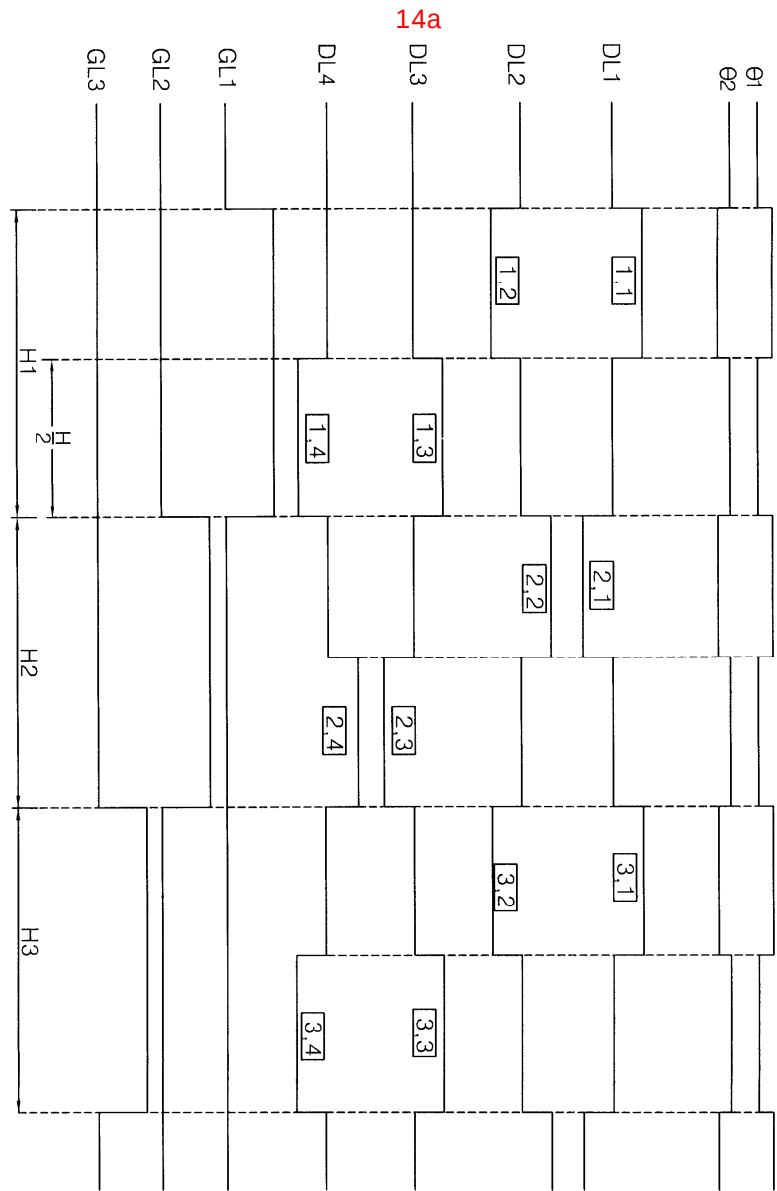
10b



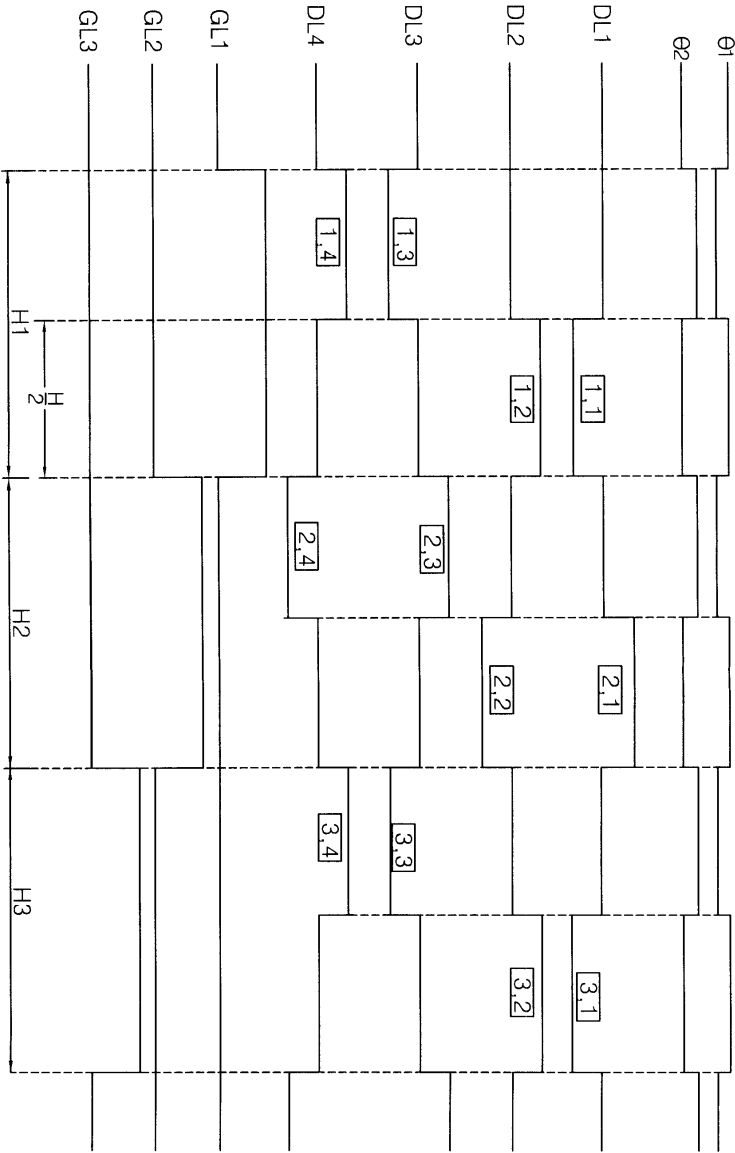
11



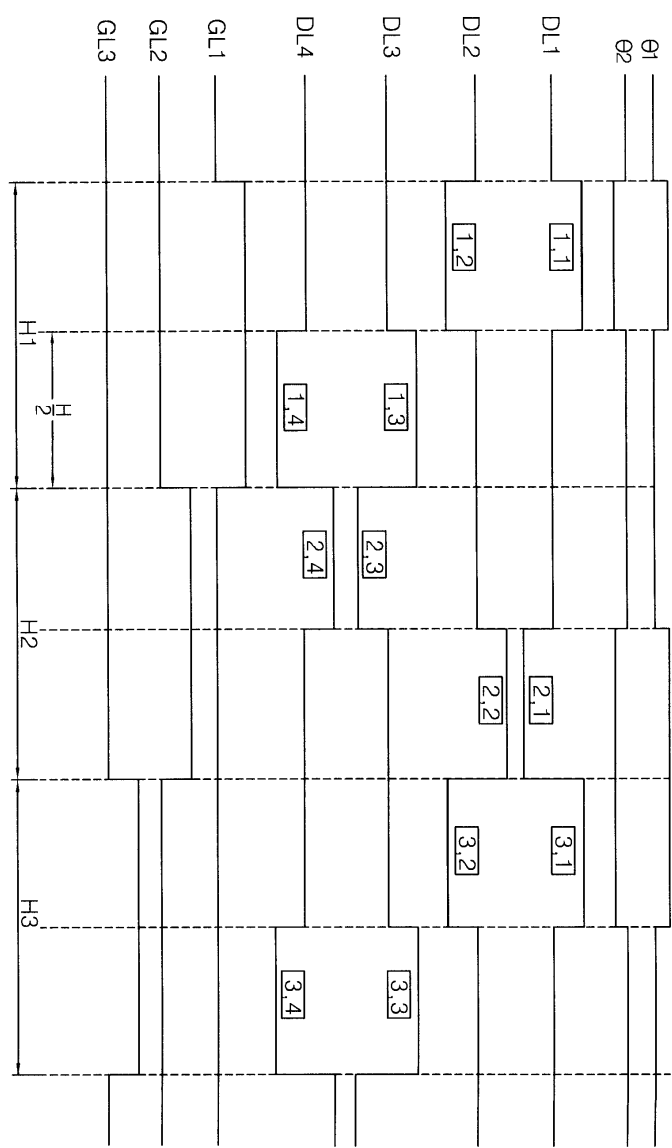




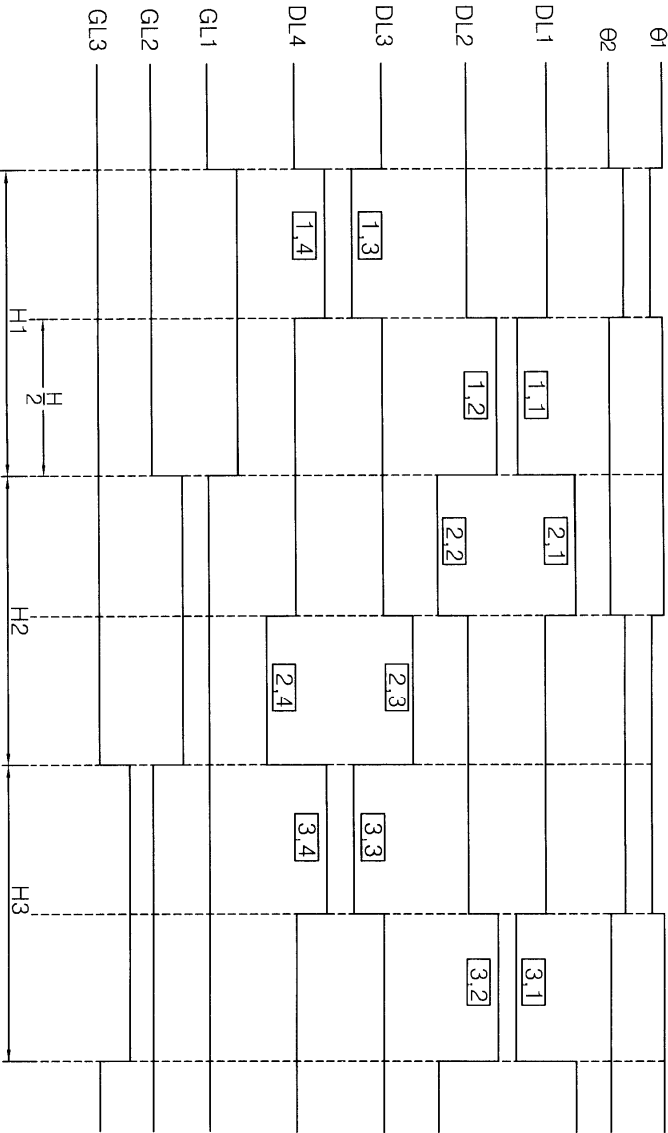
14b



15a



15b



16a

θ1						
θ2						
DL1	1.1			2.1	3.1	
DL2	1.2			2.2	3.2	
DL3		1.3	2.3		3.3	
DL4		1.4	2.4		3.4	
GL1						
GL2						
GL3						
	H1	H	H2	H3		

16b

ø1						
ø2						
DL1			1.1	2.1		3.1
DL2			1.2	2.2		3.2
DL3		1.3		2.3	3.3	
DL4		1.4		2.4	3.4	
GL1						
GL2						
GL3						
		H1	H	H2	H3	

专利名称(译)	用于驱动液晶显示装置的装置和方法		
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当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	AN SEUNG KUK 안승국		
发明人	안승국		
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代理人(译)	金勇 年轻的小公园		
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摘要(译)

本发明的目的是提供一种液晶显示器的数据传输装置，它用于减少数据驱动集成电路数据线的数量和驱动时间共享。本发明的用于数据传输的液晶显示装置配备有主多路复用器阵列：用于为其提供分时输入的像素数据，数字模拟转换阵列：用于将时分像素数据转换为像素电压信号和多路分配器阵列，用于分时数据线和提供像素电压信号。

