

(19)  
(12)

(KR)  
(A)

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G02F 1/133

(11)  
(43)

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(21) 10 - 2001 - 0049908  
(22) 2001 08 20

(30) JP - P - 2000 - 00253829 2000 08 24 (JP)

(71) 가 가

997

(72) 997 가 가

997 가 가

(74)

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(54)

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가

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1 1 , ,

2 2 , ,

3 2 , ,

4 2 , ,

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6 3 , ,

7 3 , ,

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7; , 8; , 9; , 10; ,

, 11; , 12; , 13; , 14; , 15; ,

16; , 18, 19, 20; , 21, 22, 23, 24; , 25, 26, 27, 28

; , 29, 30, 31;

ON , 32; , 33, 34, 35;

, 36; 1 , 1

, 37;  
 , 39; , 38;  
 , 40; , 41;

11 (1) (2)  
 (3) (4) (2)  
 (3) (5)

(4) )  
 ( )  
 )가 ,  
 H  
 L

12 (4)  
 (6) (7) (8) (9)  
 , (10) , 1CLK . 1H  
 ( )  
 , m ( )  
 L

13 (4)  
 (11) , 1H , 1V ( )  
 ) n ( ) L

(4) (1) IC  
 (2) (3) (2) (3)  
 가 (2) (3)  
 ( ) ( )  
 ) ( )

) .

14 1 , (12) (3) , (14)  
 , (13) (2) , (14) (16)  
 , (15) , (16) .

15 (1) (12) (13) ( ) ,  
 X1 m 1, 2, 3, ..., m 1H , 1H 12 10 .  
 Y1, Y2, Y3, ... (13) 가 , (17) (17)  
 1, 2, 3, ..., A3, A3+1, ... . X1 m  
 1H Y1, Y2, Y3, ..., YA3, YA3+1, ... .  
 13 1 n . , 1 2 . 15 1  
 2 가 .

14, 15 Y1, Y2, Y3, ..., YA3, YA3+1, ... 1 1  
 ) . (17) H (15)가 ON (17)( H  
 가 . L (15)가 OFF (16)  
 (16) (14)가 (1) .  
 1 가 .

, (1) (14) 가 가 (前)  
 1 1 , 가 .

1 1

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ON

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1 1 ( )  
 , (18), (19), (20) , (21), (22), (23),  
 (24) , (25), (26), (27), (28)  
 , (21) (25) , (22)  
 (26) , (23) (27) , (24) (28)  
 A1, A2, A3 1, 2, 3  
 (21) (24) (14)가 가 (14)  
 (21) (24)

1

Y1 YA1, YA1+1 YA2, YA2+1 YA3, ... 1

1

(18), (19), (20)( 1 H )

( ) 1  
(21)

(24)( 1 H )  
(21) (24)  
(21) (24)

X1 Xm

,

, ) 2 1 . 1 1 ( (21), (22), (23)  
, (14) , 1 (22), (23), (24) 2  
(18), (19), (20) (14)  
(21), (22), (23) (21), (22), (23) (21), (22),  
(23) , 1  
가

, 1 (14) 가 가 가  
가 가 가  
1 가 가  
가 가

, 1 가 가  
가 가  
가 가

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2 2 , BLK1, BLK2, BLK3, ... ( ) ,  
, Y1, Y2, Y3, ... , (29), (30), (31) ON  
( H ) , BLK1, BLK2, BLK3, ... ON  
가  
Y1, Y2, Y3, ... BLK1, BLK2, BL  
K3, ...

2 BLK1, BLK2, BLK3, ... (29), (30), (31)  
, , ... Y1 YA1, YA1 + 1 YA2, YA2 + 1 YA3, ... H (ON )

3 2  
 ON 3 2 가 , BLK1, BLK2, BLK3, ...  
 , Y11 YIA1, YIA1+1 YIA2, YIA2+1 YIA3, ...  
 , YO1 YOA1, YOA1+1 YOA2, YOA2+1 YOA3, ... B  
 LK1, BLK2, BLK3, ... OR H (ON )

4 2  
 , CTL2 , CLK , CTL1 ( ) ,  
 ON OFF , BLK1, BLK2, BLK3, ...  
 , Y1, Y2, Y3, ... , (18), (19),  
 (20) , (21),  
 (22), (23), (24) ON , (25), (26), (27)  
 3, ... , BLK1, BLK2, BLK  
 가 . ,

4 BLK1 (21) ( )  
 (25) , (26)  
 , (26) (26) BLK2 (22)  
 (26) 가 . ,  
 CLK H YA1, YA2, ... (23), (24)  
 L CTL2 (23), (24)  
 , 4 가  
 가 가  
 2 1 1 ON  
 가 .

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5 3  
 , CLK , BLK1, BLK2, BLK3, ...  
 ON , Y1, Y2, Y3, ...  
 , (29), (30), (31) ON ( H) , BLK1, BLK2, BLK3,  
 ... 가  
 Y1, Y2, Y3, ... BLK1, BLK2, BLK3, ...

5 BLK1, BLK2, BLK3, ... (29), (30), (31)  
 , ... Y1 YA1, YA1+1 YA2, YA2+1 YA3, ... H (ON ) . 5  
 2 2 ON BLK1, BLK2, BLK3, ...  
 5 ON  
 5 2 가 .

3 5  
 6 5 가 . BLK1, BLK2, BLK3, ...  
 ON , Y1 YIA1, YIA1+1 YIA2, YIA2+1 YIA3, ...  
 YO1 YOA1, YOA1+1 YOA2, YOA2+1 YOA3, ... BLK1, BLK2, BLK3, ...  
 OR H (ON ) . , 3  
 BLK1, BLK2, BLK3, ... , 2 .

7 3  
 , CLK , CTL1 ( ) ,  
 , CTL2 OFF , BLK1, BLK2, BLK3, ...  
 ON , Y1, Y2, Y3, ... , (18), (19),  
 (20) , (21),  
 (22), (23), (24) ON , (25), (26), (27)  
 3, ... , BLK1, BLK2, BLK3, ...  
 가 . ,

6 7  
 , CLK , CTL1 , BLK1, BLK2, BLK3, ...  
 ON , YO1 YOA1, YOA1+1 YOA2, YOA2+1 YOA3, ...  
 BLK1, BLK2, BLK3, ... NOR CLK  
 , CLK AND 4 CLK 가  
 , BLK1, BLK2, BLK3, ... H

7 (21) (25)  
 , (26) , (26)  
 (22) (26) , (26)  
 7) 가 . , (26)  
 YA1, YA2, ... (23), (24) CLK  
 H CTL2 (23), (24) L . 7  
 4 (23), (24) CLK BLK1, BLK2, BLK3, ... H  
 (23), (24)

, 7 가 가 ,  
가 가 .

3 , 1 1 ON  
가 .

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8 4 , ( ) ,  
, D1, D2, ... , RST  
( ) , DLY  
, X1, X2, X3, ... , (32)  
( L), (33), (34), (35)  
( H) . , DLY, RST 가 .  
X1, X2, X3, ... D1, D2, ..., RST, DLY

8 RST (32) 8  
DLY (33), (34), (35) X1, X2, X3, ... (33), (33) (34) , (33) (34) (35)

9 8 9 8 가 . RST  
( ) , DLY  
, XI1, XI2, XI3, ... , XO1, XO2, XO3, ... , (36)  
1 , 1 , (37)  
, (38) , (39)  
, (40) , (41)

, XI1, XI2, XI3, ... , (36) 1 , 1  
(38) RST  
DLY H . (38)  
, (37) DLY H .  
(40) (39) DLY H  
가 , 가  
, 9 XI1, XI2, XI3, ... DI1, DI2, DI3, ... , XO1, XO2, X  
O3, ... DO1, DO2, DO3, ... 9  
8 가 .

10 4 , ( ) ,

, D1, D2, ...  
 ( )  
 , X1, X2, X3, ...

, RST  
 , DLY  
 , (18), (19), (20)  
 , (21), (22), (23), (24), (25), (26), (27)

3), (24)  
 (26), (27)  
 , (36)

가 . ,  
 1 .

, RST, DLY  
 . ,

10 DLY (21) ( )  
 (25) , (26) (26)

DLY (22) (26) , (27)  
 가 .

, 10 가 가  
 가 가 .

4 , 1 1 1  
 1 , 1 가 .

가 , 가 .  
 , 1 1 ON  
 가 .

, 1 1  
 1 , 1 가 .

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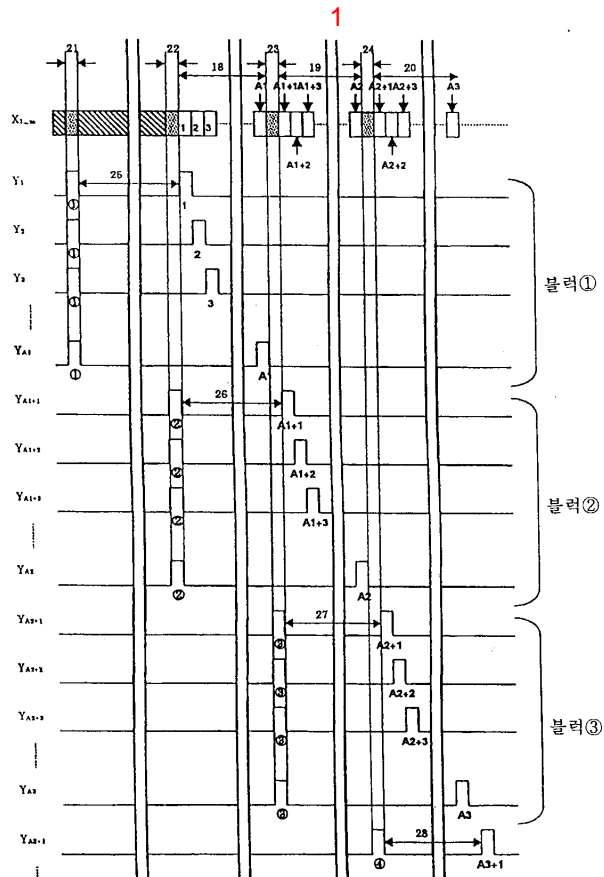
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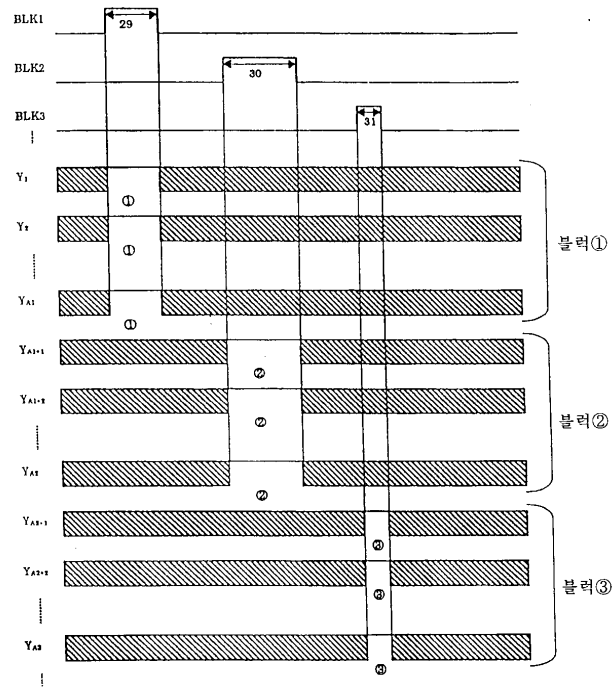
1 1

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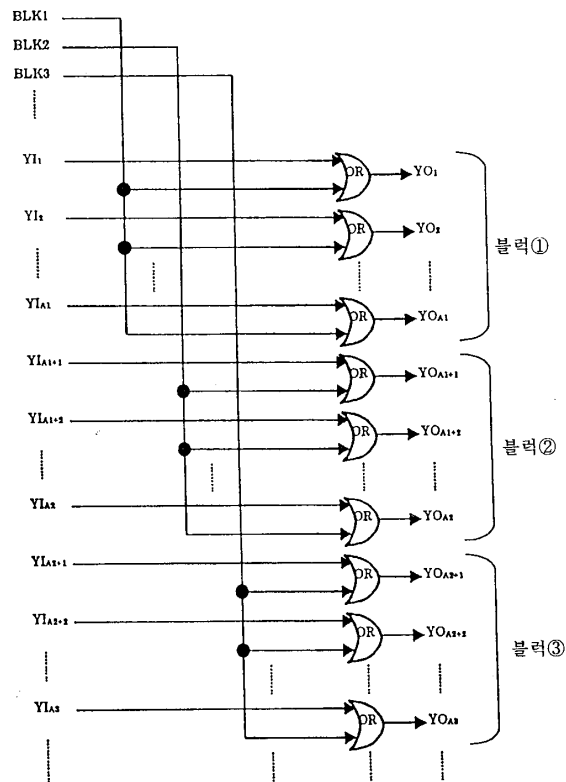
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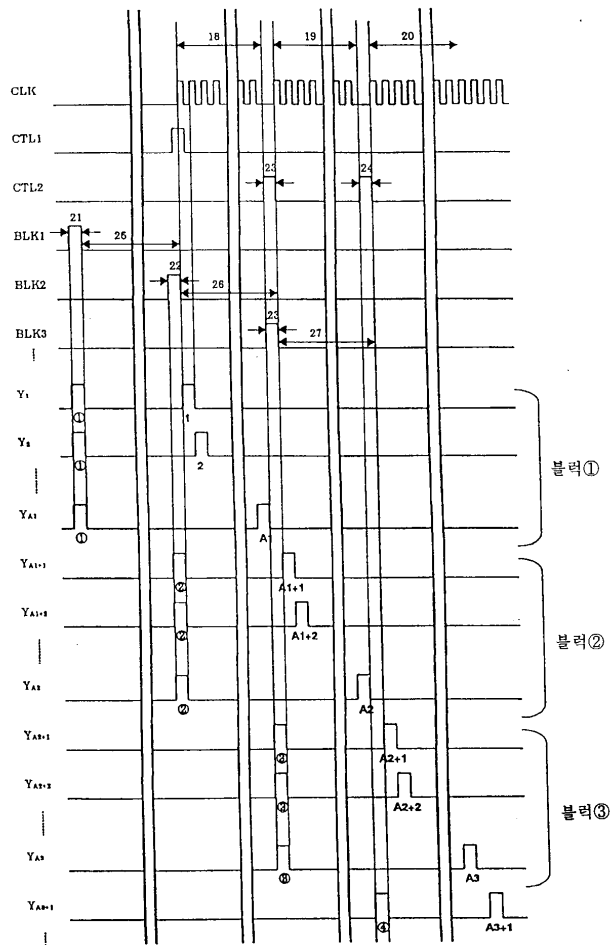


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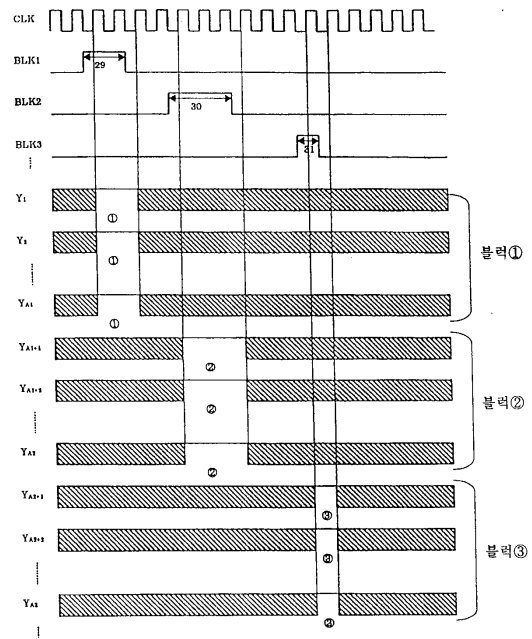


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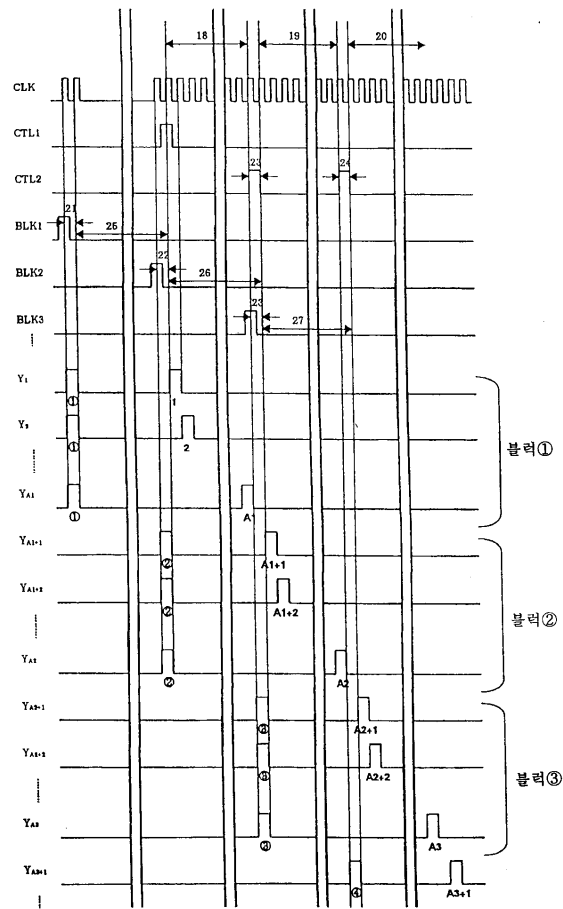




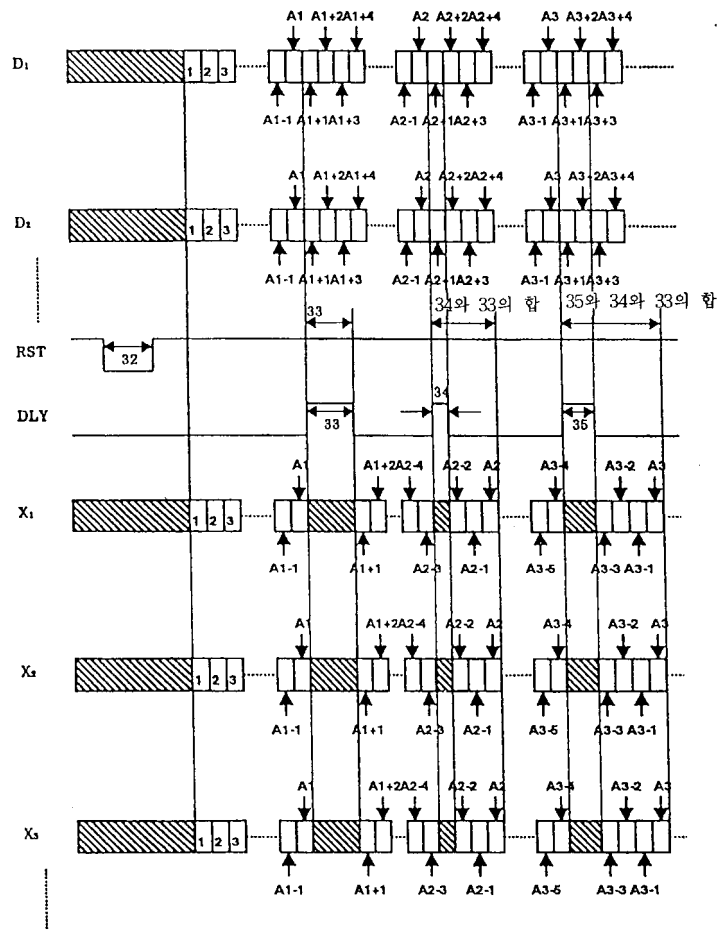
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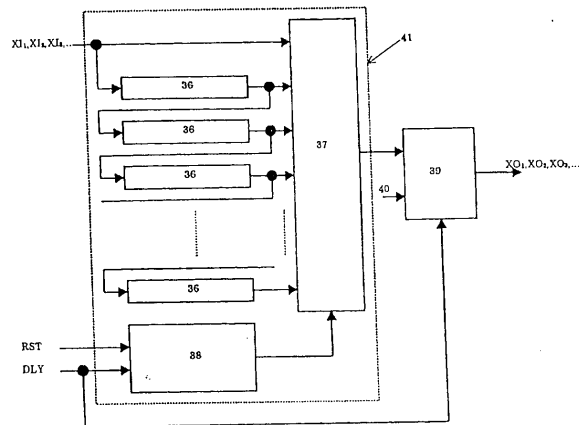




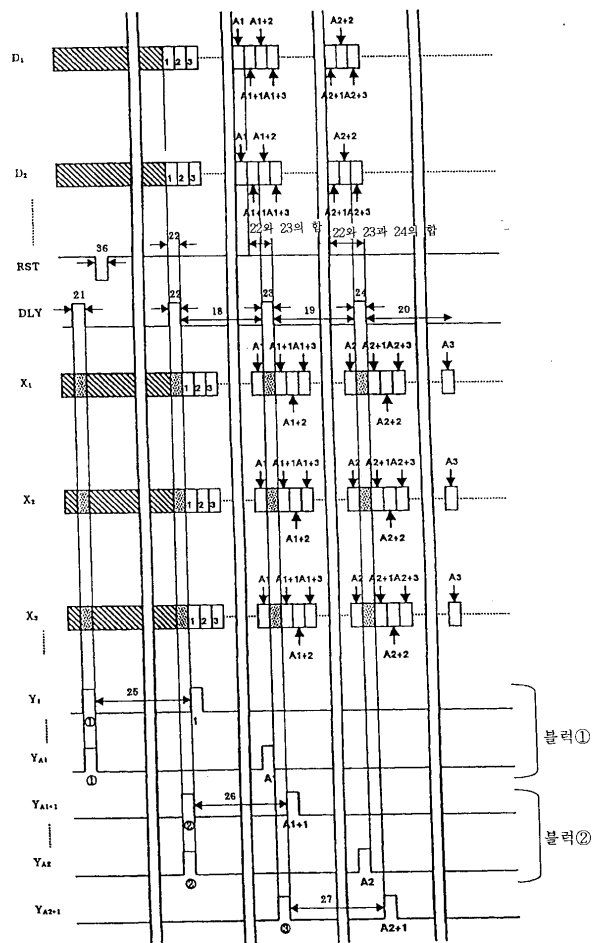
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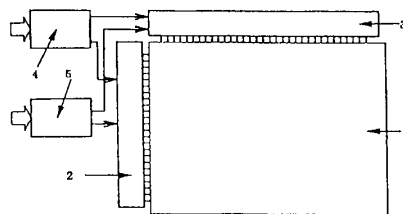
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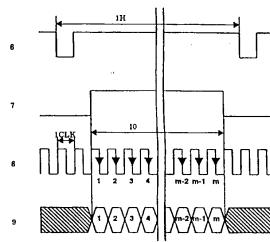
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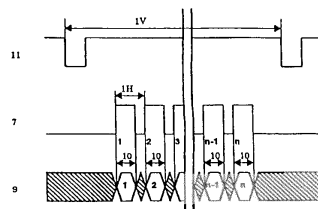
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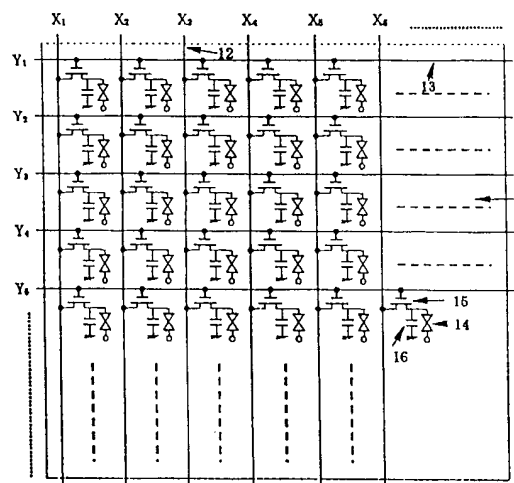
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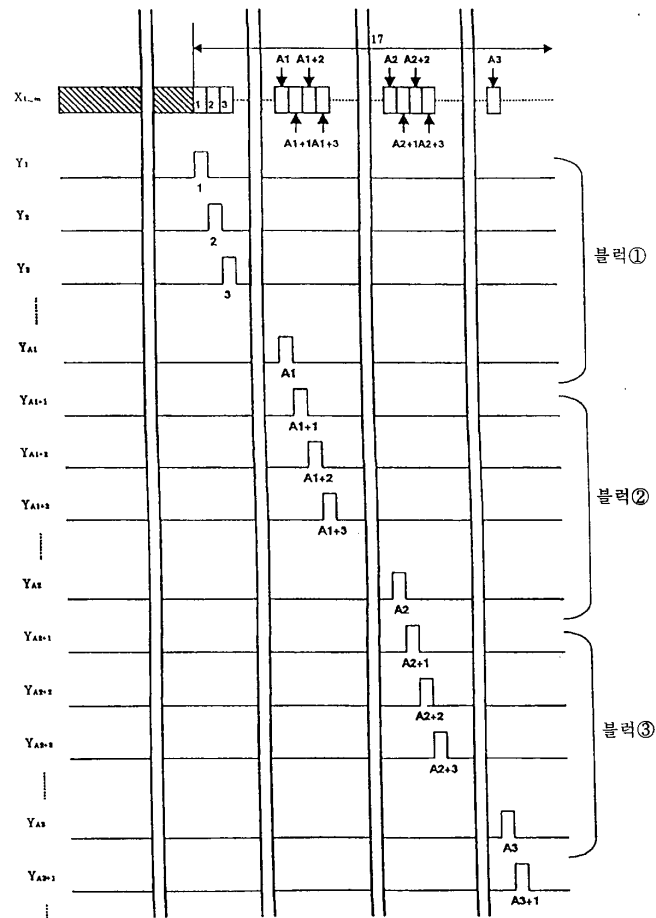


13



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专利名称(译)	显示方法和显示装置		
公开(公告)号	<a href="#">KR1020020016519A</a>	公开(公告)日	2002-03-04
申请号	KR1020010049908	申请日	2001-08-20
申请(专利权)人(译)	可否让我有这一半的喷雾.		
当前申请(专利权)人(译)	可否让我有这一半的喷雾.		
[标]发明人	MATSUMURA TATSUYA 마츠무라다츠야 SHIBATA SUSUMU 시바타스스무		
发明人	마츠무라다츠야 시바타스스무		
IPC分类号	G09G3/36 G02F1/133 G09G3/20 H04N5/66		
CPC分类号	G09G3/3614 G09G2310/0251 G09G3/3677 G09G3/3666 G09G2320/0252		
代理人(译)	LEE HWA我 权泰BOK		
优先权	2000253829 2000-08-24 JP		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

作为与液晶显示装置和显示装置及其装置有关的本发明，计划减少余像的显示方法的效果提供了提供与每个栅极线对应的图像数据信号的图像数据光移动。选择每条栅极线用于图像显示，它将整个栅极线分成多个块到源极线和无图像数据写入动作，同时选择块的整个栅极线并将无图像数据信号提供给强制执行源极线，并且在栅极线的信号处理中选择无图像数据写入动作，以关于刚好在配置之前的图像数据光移动。它可以选择延迟图像数据信号的配置，作为在1帧持续时间或1场周期中在源线的信号处理中具有块的累积的无图像数据信号周期。显示屏，栅极线的驱动电路，源极线的驱动电路，控制电路，电源单元，水平同步输入信号电压，数据使能输入信号电压，时钟输入信号电压。

