

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. 7
G09G 3/36

(11)
(43)

2001 - 0106164
2001 11 29

(21) 10 - 2001 - 0014865
(22) 2001 03 22

(30) 2000 - 90283 2000 03 29 (JP)

(71)	가	가				
	가		가	6	7	35

(74)

(54)

(動畫)

(行列形)

(線)

1
2
3
4
5
6
7
8
9
10

(動畫)

8
 (101) (102)
 (106) (104) 가
 (107) (108) (101)
 (109) (105) (106)
 (109), (TFT) (112) 가
 (110) (111) (112)
 (110), (109) (105),
 (110) (110) (1)
 06)

() , , ,

20 (靜正面) CRT 가

, 1997 (IDRC) , Improving the Moving - Image Quality of TFT - LCDs

가 . , 1 2 가 2

CRT

μ sec

가

, 「OCB」 5msec
 , , 1 , , 1 , , 1
 CRT 가 , 가 , 가 ,
 가 . , 가 . , 가 . ,
 가 . , , , , , ,
 , 1998 , , " A N
 ovel Wide - Viewing - Angle Motion - Picture LCD" 가

(行列形)
(順次走査)

(線)

10msec

10msec

(中間調)

10 msec

, 1

가

1

1

1

. (A) , (LC) , (LC) , (TFT) (1) , (1) , (3)) , (G) , AI (S) ,
 (2) TFT H (Tr) (LC) 가 V (1H) (1) (LC) (G) (LC) H
 Ho (S) , 1 (1H) 1 , 1 (LC) (LC) (点)
 . (LC) , (2) , (S) , H (HSW) (3) (H1, H)
 . (HSW)

(B)

, V

(1) 1

2

기

1 1 , 2 2 . 가 ,
2 1 2 2 , 가
1 2 , 3
H (3) 1 2 , 1
SIG 1 SIG 2 1 , 2 ,
SIG 1 , SIG 1.5 , SIG 2 (2)
V (1), H (3), (2)
가 , IC ,
(LCOS; Liquid Crystal on Silicon).
(2) 2 SIG 2 1 SIG 1
SIG 1.5 (LC)

$$, \vee \quad (1) \quad \mathsf{H} \quad (3) \quad , \quad 1 \quad (1) \quad .$$

(2)

2
 , 1 10msec
 , OCB (Optically Compensated Birefringence mode)
 (A) , OCB (10, 20) (30) 가
 (0) 가 , (30c) 가
 (10, 20) 가 , 가 (B)
 (30c) 가 . OCB
 2 , 가 , (nematic)
 TN STN , OCB

4
3
2
1
SIG1~SIG3
3
1~
3
SIG 1.5, SIG 2.5
S
IG 3.5

, 1 A 1 () . , 1 A 1 = 0 , A 1.5 0 .
 A 1.5 A 1 B , 1 B 1 , 1
 A B , 1 B 1.5가 ,
 B 1.5가 ,
 0.5~0.75 , 가 .

5 4 . 1
1 SIG 1 2 , 2 SIG 1 1
SIG 1.5가 2 . 2 SIG 2 , , S
SIG 2가 , 2 SIG 2 , ,
IG 2.5가 .

7 6 . 1
1 SIG 1 2 , 2
1 SIG 1.5 . 2
1 SIG 2 , 2
. .
, 1 ,
,
가 . ,
,
가 . ,

1.

(行列形)

(順次走査)

1

(線)

2.

1

3.

1

10 msec

4.

1

5.

4

6.

4

,

10msec

7.

,

,

1

,

,

(中間調)

8.

7

,

10msec

9.

,

,

1

,

,

,

10.

9

,

11.

9

,

10msec

12.

1

13.

12

14.

12

10msec

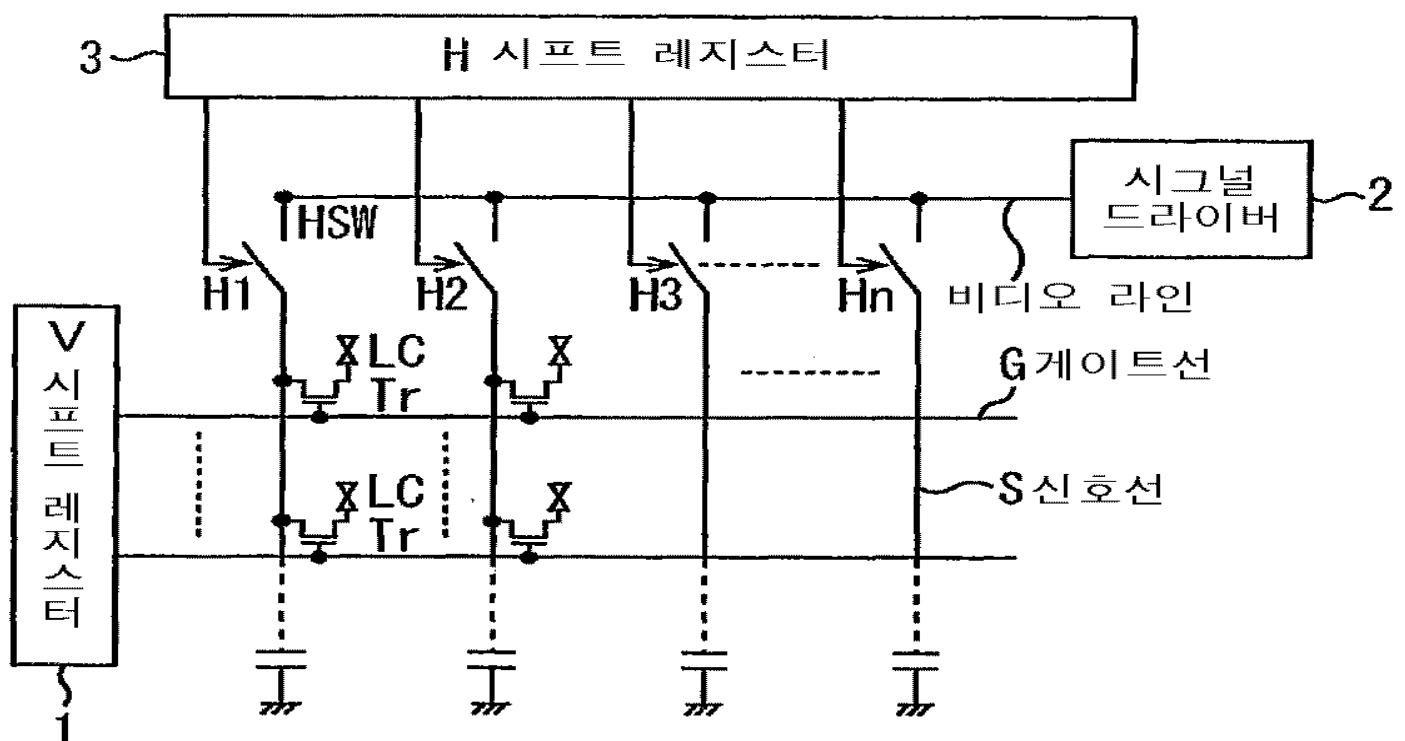
15.

1

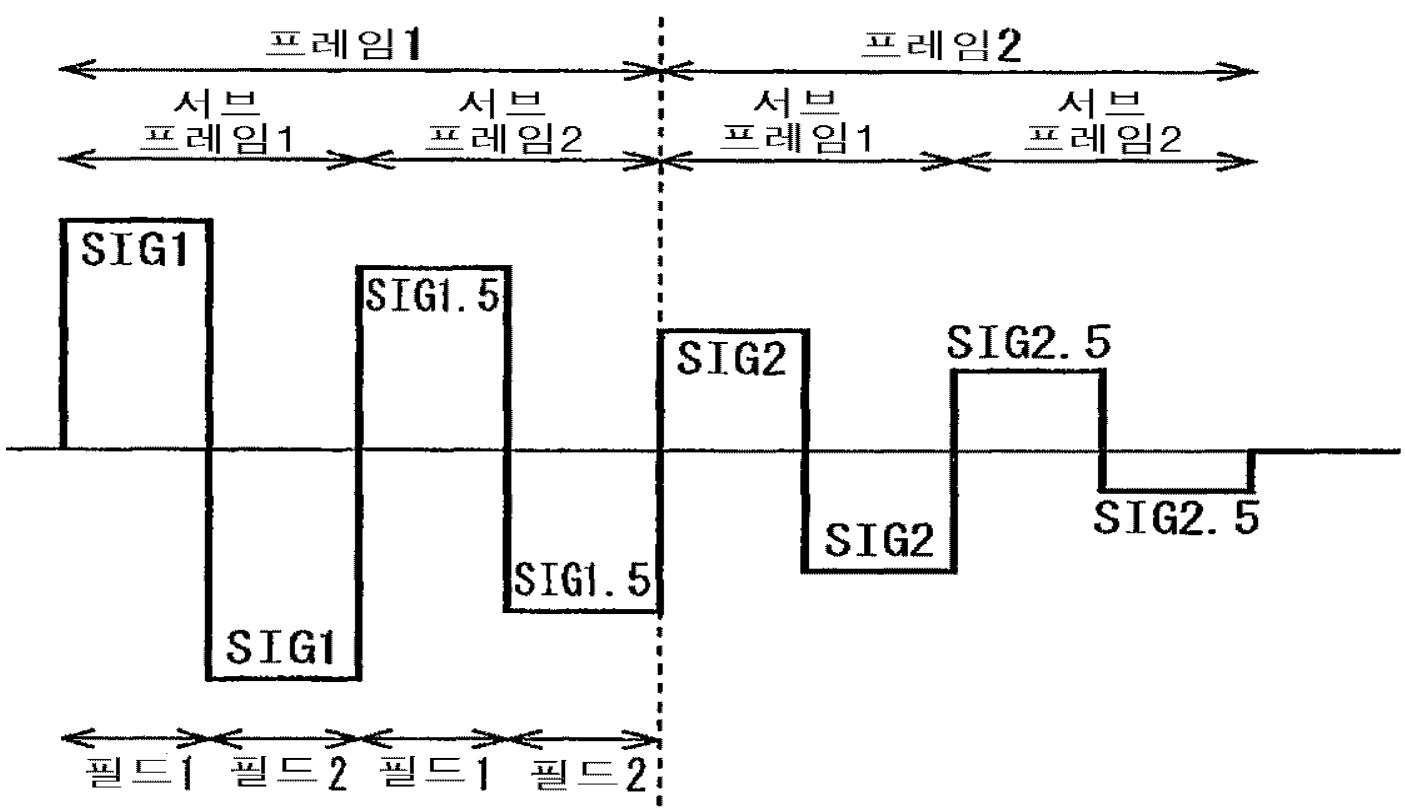
16.

15

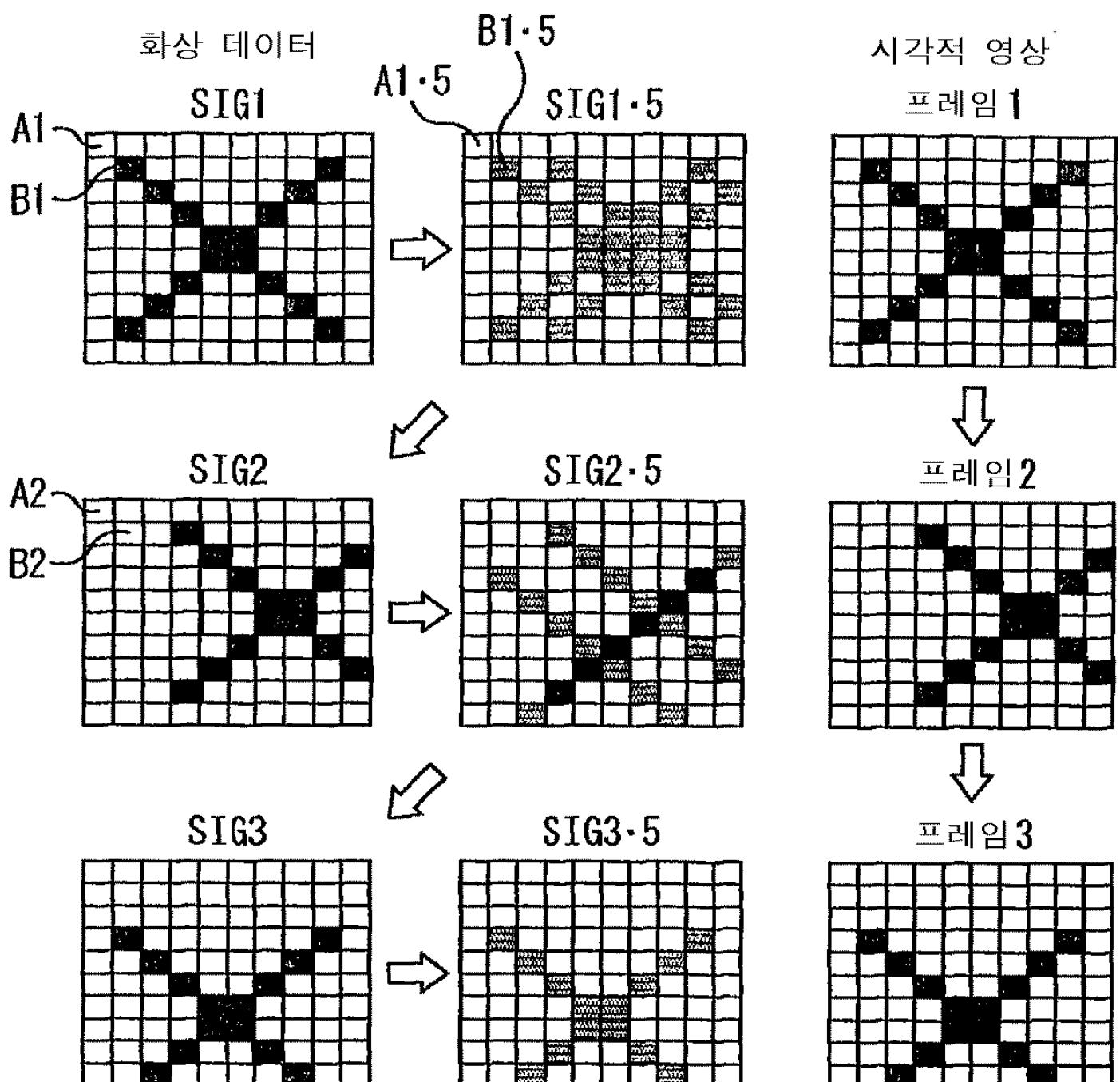
10msec

(A) ¹

(B)

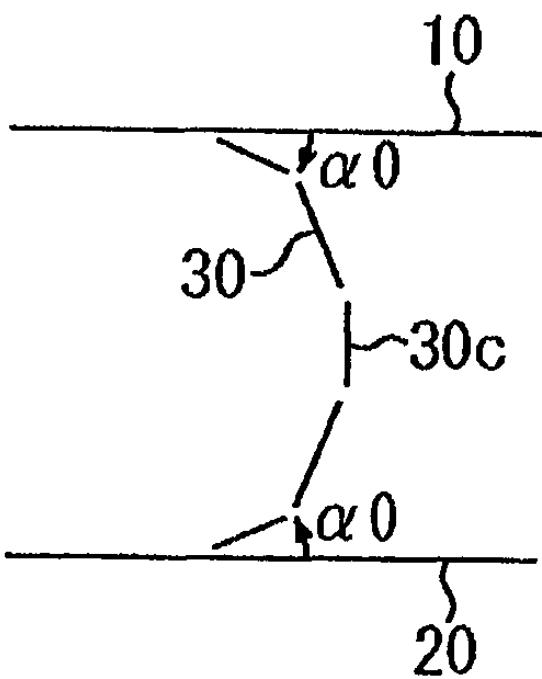


2

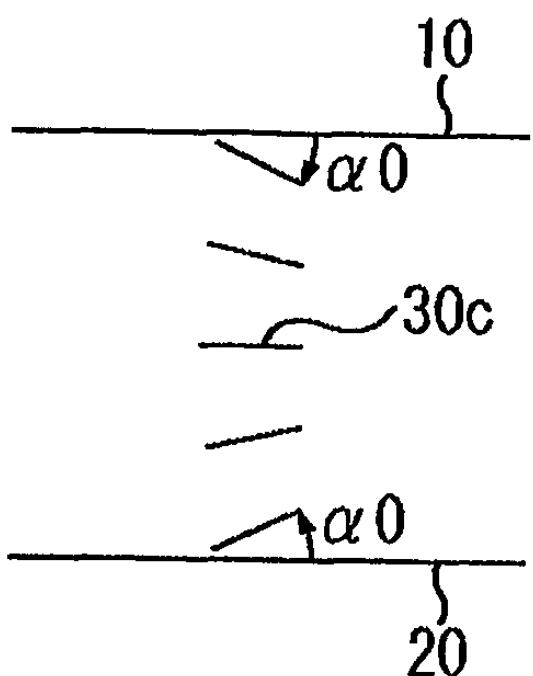


3

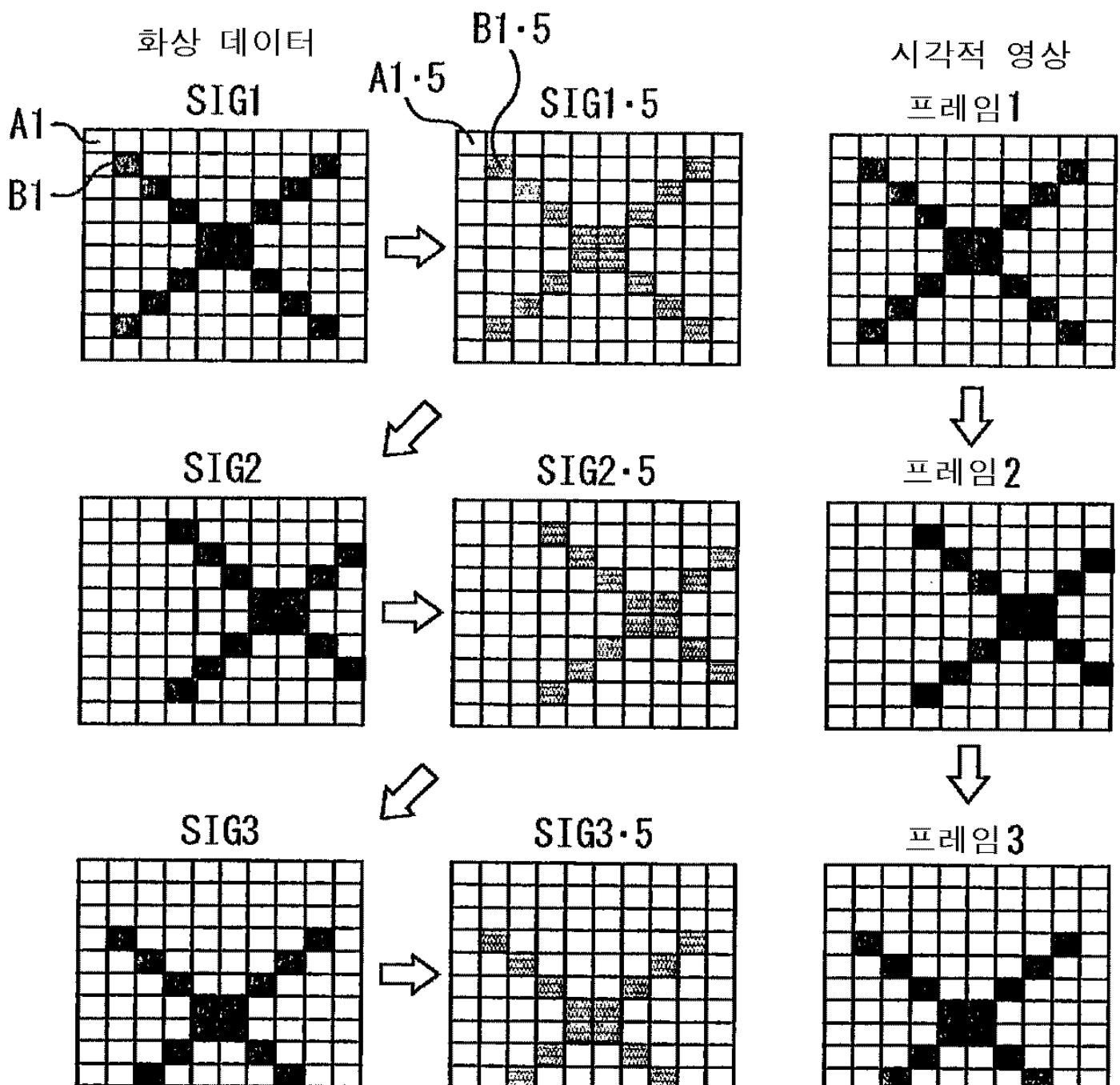
(A)



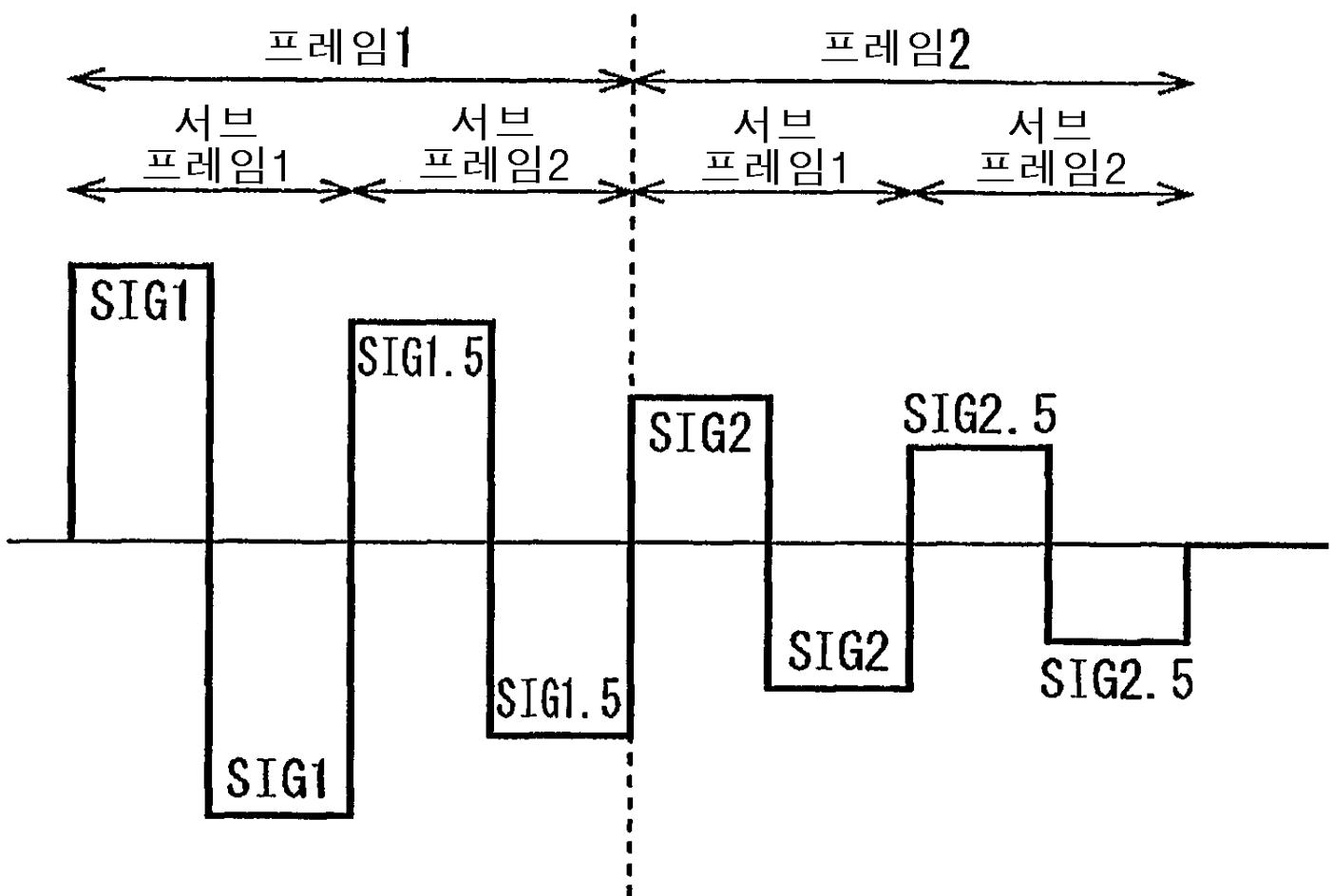
(B)



4

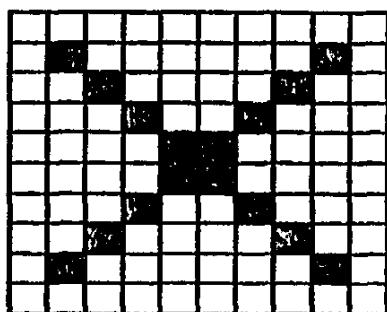


5

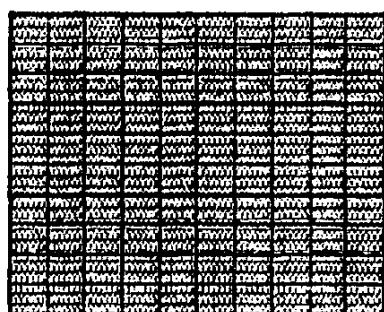


화상 데이터

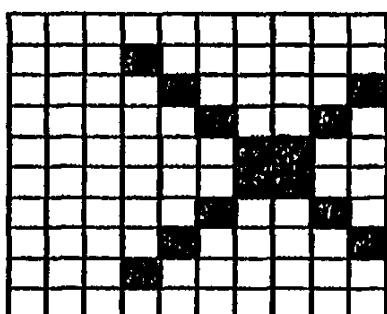
SIG1



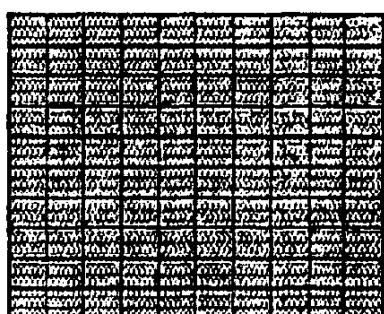
SIG1·5



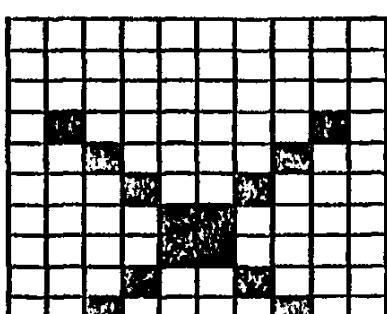
SIG2



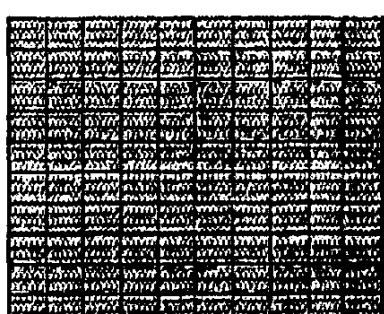
SIG2·5



SIG3

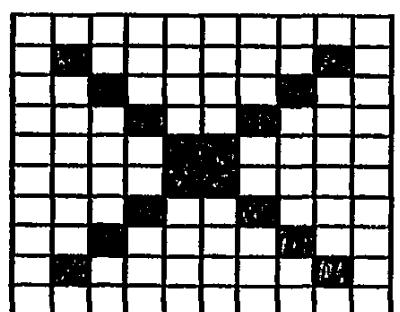


SIG3·5

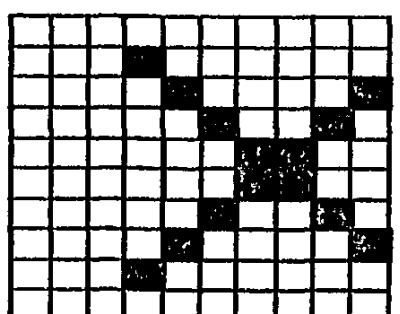


시각적 영상

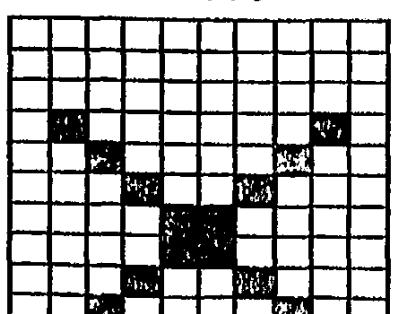
프레임1



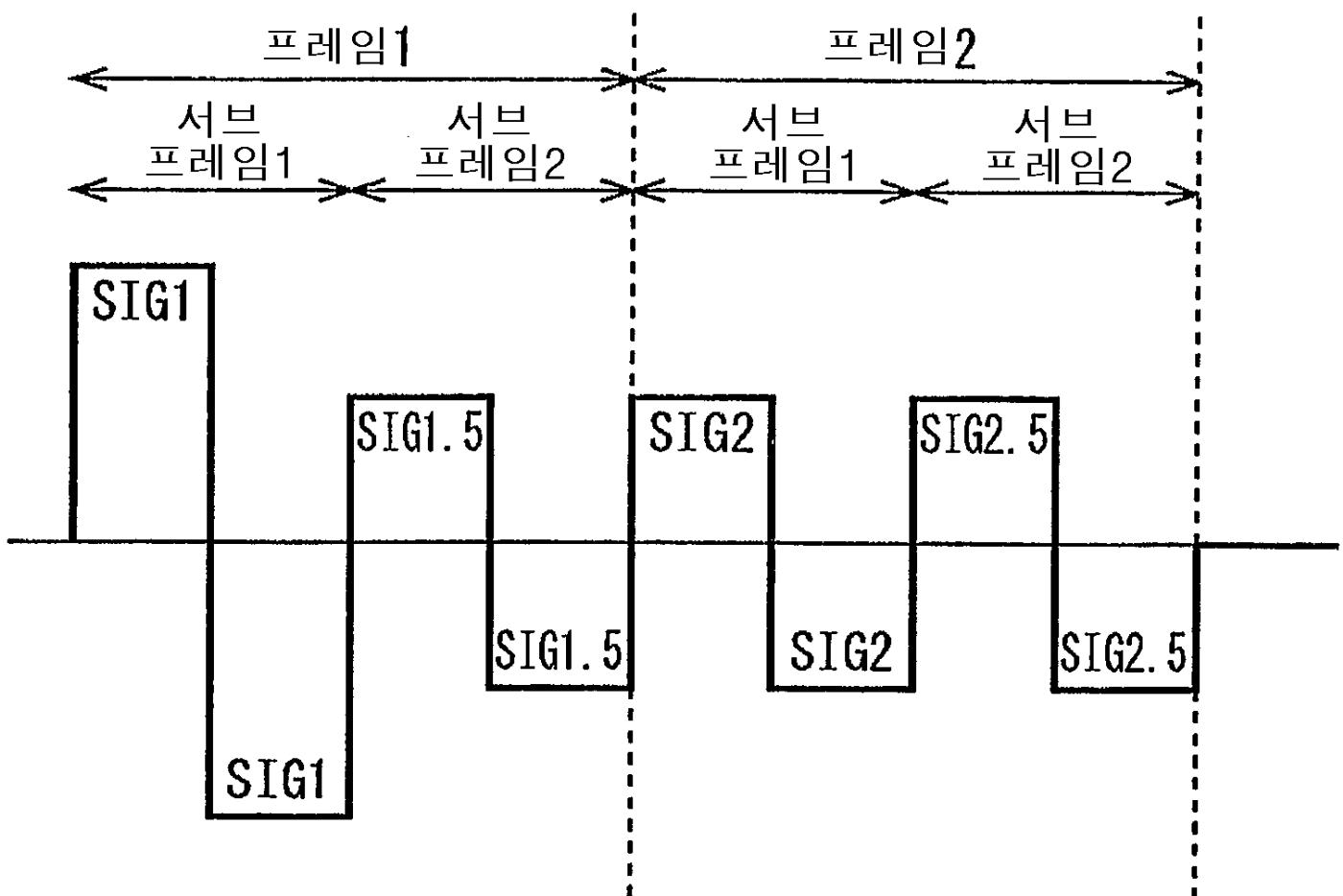
프레임2

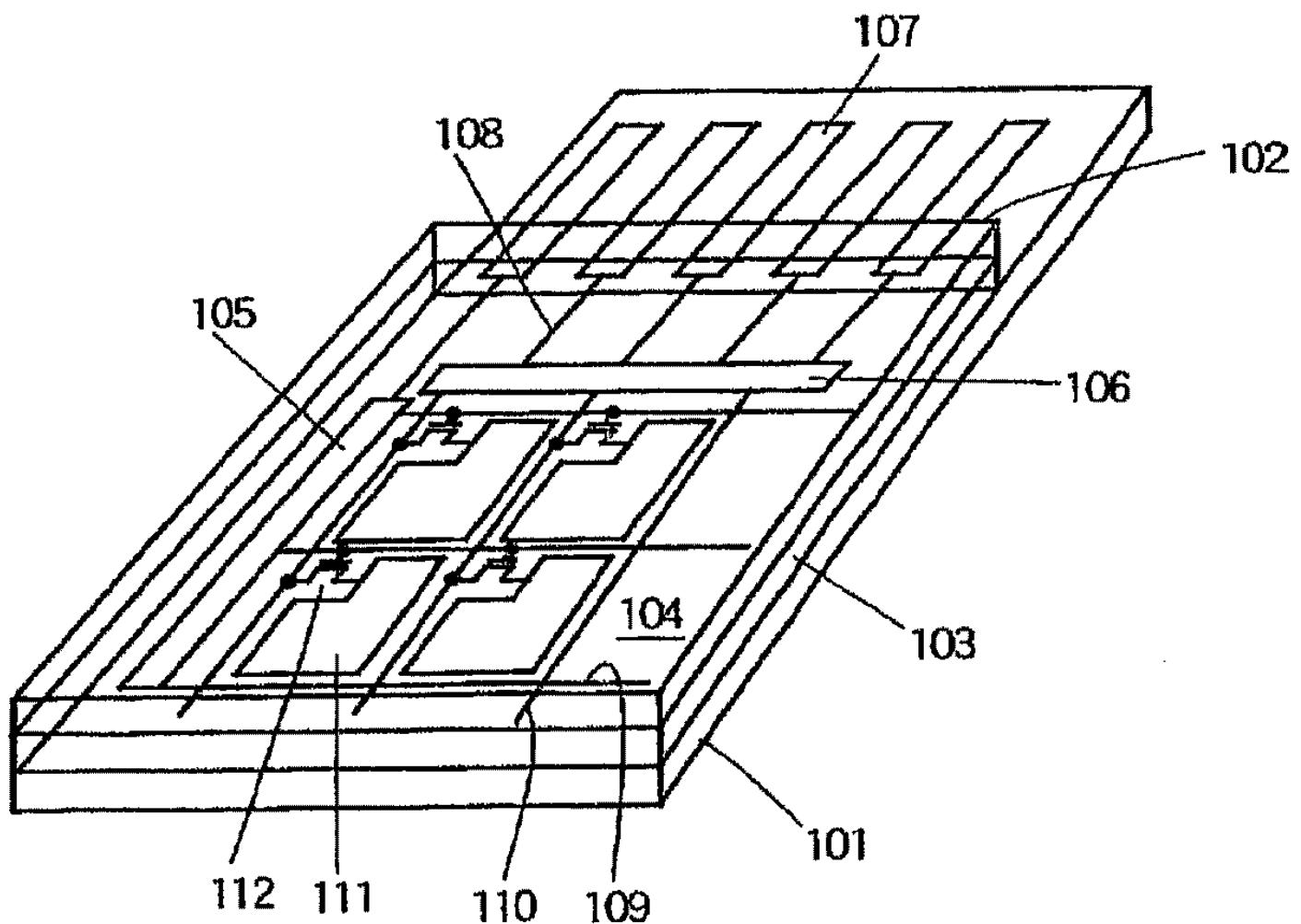


프레임3



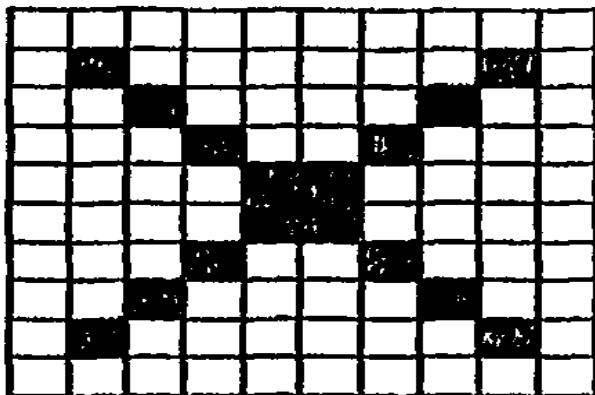
7



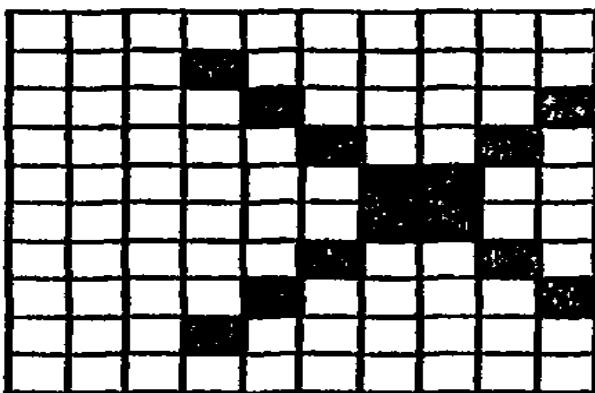


화상 데이터

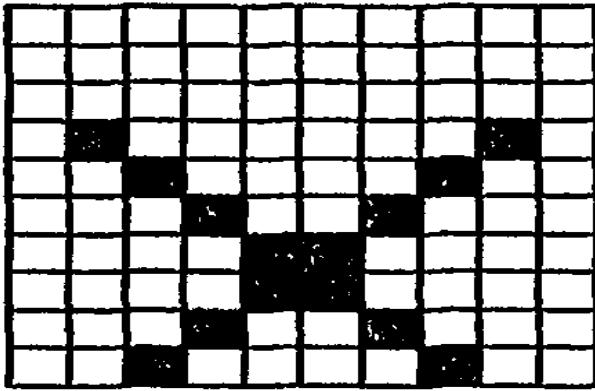
SIG1



SIG2

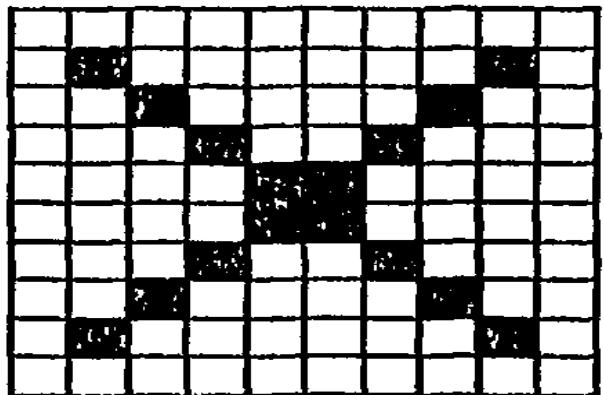


SIG3

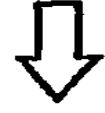
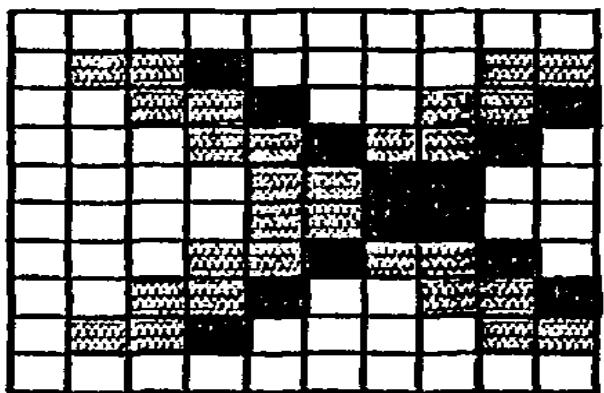


시각적 영상

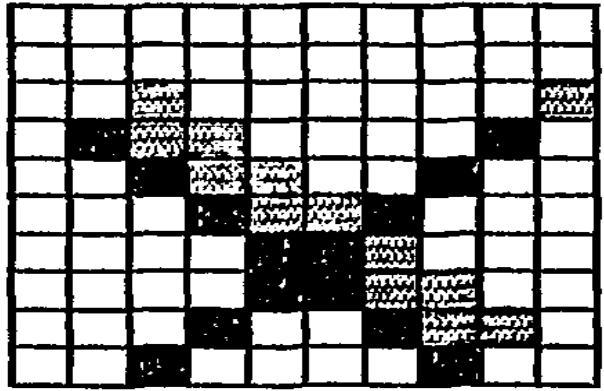
프레임 1

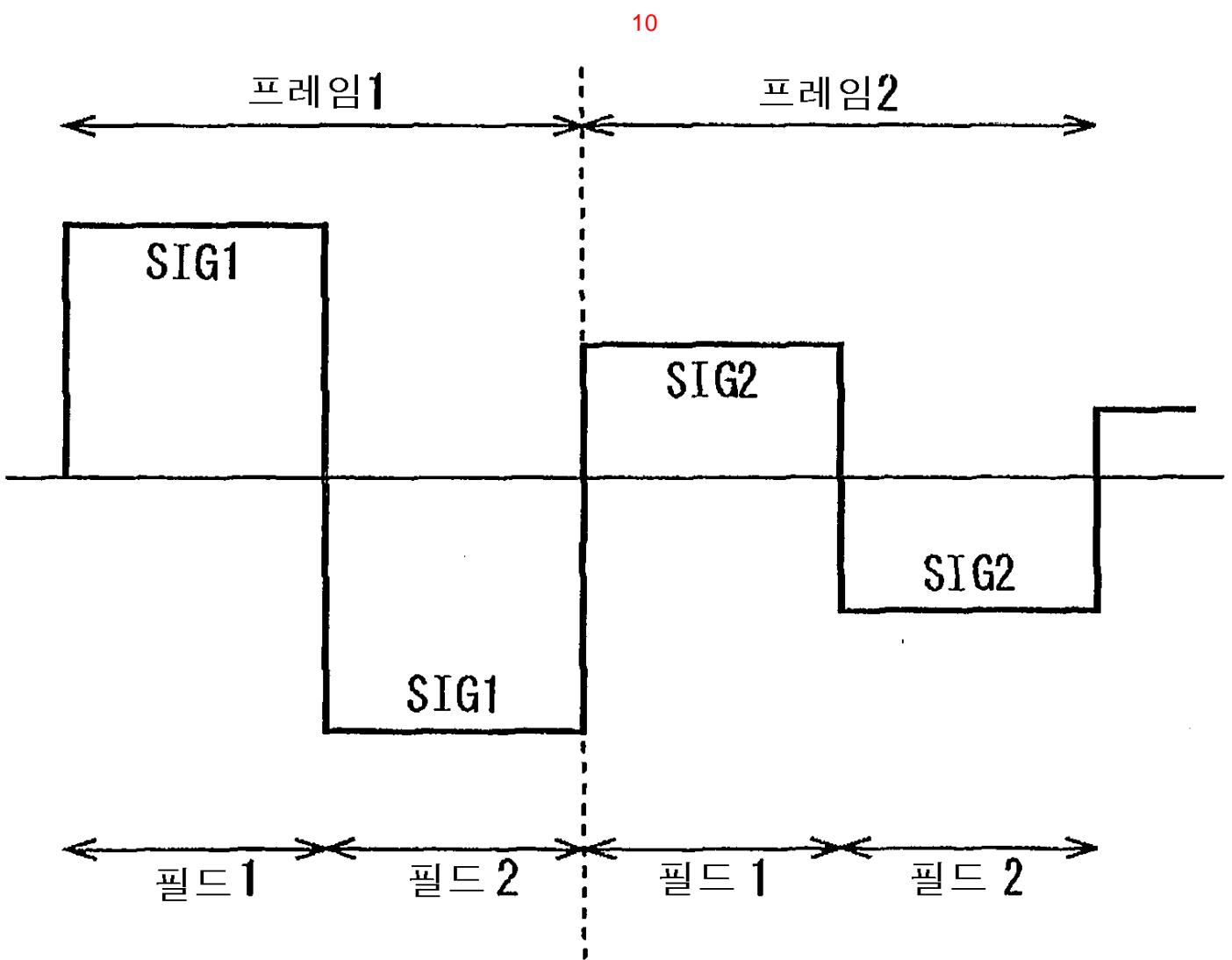


프레임 2



프레임 3





专利名称(译)	液晶显示器及其驱动方法		
公开(公告)号	KR1020010106164A	公开(公告)日	2001-11-29
申请号	KR1020010014865	申请日	2001-03-22
[标]申请(专利权)人(译)	索尼公司		
申请(专利权)人(译)	索尼公司		
当前申请(专利权)人(译)	索尼公司		
[标]发明人	IKEDA HIROYUKI		
发明人	IKEDA,HIROYUKI		
IPC分类号	G02F1/133 G09F9/30 G09F9/35 G09G3/20 G09G3/36 H04N5/66		
CPC分类号	G09G3/3648 G09G2300/0491 G09G2320/0257 G09G2320/0261		
代理人(译)	您是我的专利和法律公司 KIM , JAE MAN		
优先权	2000090283 2000-03-29 JP		
其他公开文献	KR100791128B1		
外部链接	Espacenet		

摘要(译)

它在有源矩阵液晶显示器上具有动画指示的图像增强作为目的。液晶显示器包括作为矩阵型布置的液晶像素和现有技术的行驱动IC，其在重复到预定周期的帧处顺序地注入每行液晶像素，并且在逐行扫描中同步列驱动电路扫描并在每个液晶像素中写入图像信号。现有技术的行驱动IC将帧划分为前一个子帧和后续子帧。在后续子帧中执行该行之后，再次在先前的子帧中执行逐行扫描逐行扫描。用于质量保真度控制的图像信号计算分配给它经历的帧的图像信号和分配给后一帧的图像信号，它在后续子帧的线序扫描中同步，并在每个液晶像素中写入并保存正常分配给它经历列驱动电路的帧的图像信号在前面的子帧的线序扫描中同步写入每个液晶像素。液晶显示器，液晶像素，现有技术的行驱动IC，框架，列驱动电路。

