

(19)
(12)

(KR)
(A)

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(21)	10-2002-0084900		
(22)	2002 12 27		
(71)	.	20	
(72)		605-212	
(74)	:		
(54)			

가 .

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9 1 6 .

10 2 6 .

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11,17,61,67 : 12,62 :

13,63 : 14,64 :

15,65 : 16,66 :

18,68 : 19,69 :

20,70 : 21 :

22,82 : 31,71 :

32,72 : 33 :

41 : 43R,43G,43B,73C,73Y :

60 :

Matrix) (Thin Film Transistor; 'TFT')가 (Active

(Sub-pixel) (Pixel) 1 ,

1 , (15) (31) (, 'TFT

)(32) (33) .

(31) (12) (13) (14) , (1

2) (11) (13) (R), (G) (B) 가 (20

3 가 (13) (14) (Vcom) 가 .

가 (14) (32) (33) . TFT (32) (16) (1

TFT 9) (18) (19) (18) TFT (2

0) . (16) (19) (18) (19) (21)

. TFT(20) (18) (21) . TFT (32) (17) .

(15) (21) (14) 가 TFT (32) (32)
 (31) TFT (32) (11,17)
 (15) 90 ° TN
 (31) TFT (32)
 (33) (33) (31)
 2 (d)가
 3 (33)
 가
 4 (41) 가 (43R),
 (43G) (43B) 3 'FS ') 가 (Fiel Sequential
 Driving System : FS 5 TFT 1/3 (43B)
 (43G)
 FS FS 5 (T)가 가
 3 FS 가가 1 TFT 가 (43R,43G,43B)
 가가 가 TFT , TFT 가
 TFT TFT 가
 가 가 가 가

가

가 가

1, 2

1 2

가

가

$$1, \quad 2$$

가

1

$$2 \quad , \quad 1$$

가

1

가

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$$\frac{6}{\text{TFT}} \quad (72)$$

(60)

(65)
(Yellow)

(73Y)

2
(Cyan)

(71)
(73C)

2 (71)
(63C)가
가
가

(62) (63M) (R) (Mazenta) (B) (63M)
(63C) (G) (B)
(63M) (63C)

(82)가 (64) (Vcom) 가 (62)

$$\begin{array}{ccc} & (64) & \\ (62) & & (61) \end{array}$$

TFT (72) (73Y) (73C) . TFT (72) (66)
 (69) (68) (69) (68)
 TFT (70) (66) (69) (68)
 (81) . TFT(70) (68) (69)
 (81) (81) , TFT (72)
 . TFT (72) (67)
 (15) (21) (14) 가 TFT (36)

(73Y) (R) (G) (R) (G)
 (73C) (B) (G) (B) (G)
 (73Y) (73C) (73Y) (73C) (C
 CFL), (LED)가 (60)
 (73Y) (73C) (CCFL) (LED)
 ,
 (60)

7
 7
 Gn) (D1 Dm) (Clc) TFT가 (D1 Dm) (G1
 (D1 Dm) (102) , (60) (60) Gn
) (103) , (73Y) (73C)
 (104) , (104), (102) (103)
 (101)

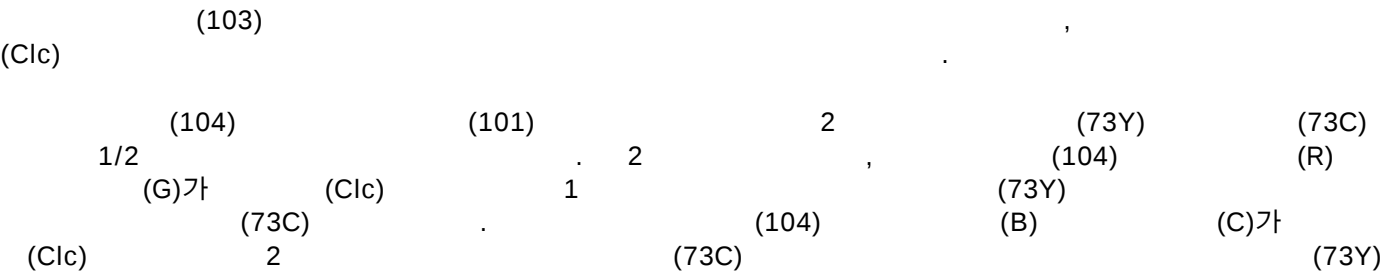
(60) , 6
 (D1 Dm) (G1 Gn) TFT (G1 G
 n) (D1 Dm) (Clc) (G1 Gn) (D1 Dm) (Clc)
 , TFT (Clc) (81) (Cst)가 (60) (Clc) k(
 TFT Clc) k 1 n) (Clc) k-1
 , k

(102)
 1 1
 , / 가 (D1 Dm) (102)
 (101) (101) (60)
 (D1 Dm)

(102) 1
 (D1 Dm) 1 (G) (102)
 1 (R) (G) (D1 Dm) Dm)
 , 1 2 (B) (C) (D1 Dm) Dm)
 , 1 2 1/2

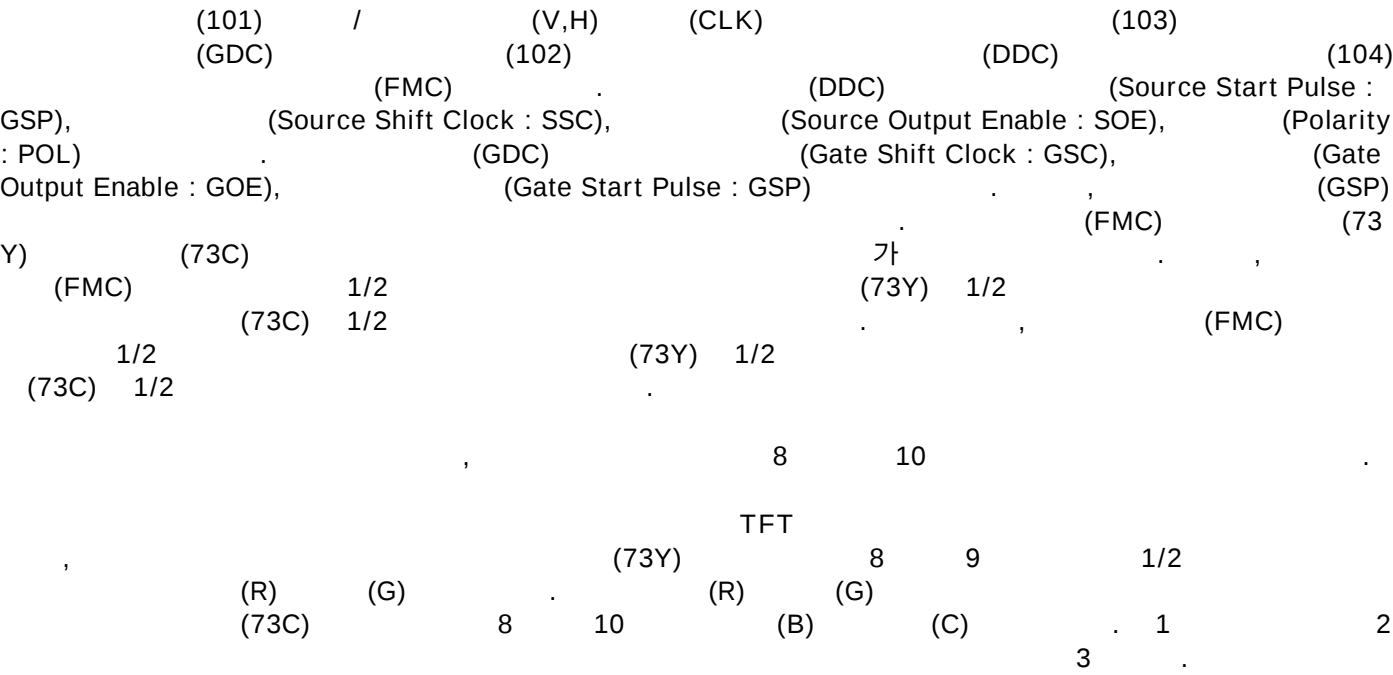
[1]

	()	()
1st		
2nd		



[2]

1st		
2nd		



[3]

	()	()
1st		
2nd		

(60) (73Y) (73C) FS , 가 .
, FS 가 2 ,
1/2 (73Y,73C) FS (73Y,73C) 가
.
, 11 가 ,
가
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,
(,) (,)
) 가 FS 가
가
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가
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(57)

- 1.
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1 2.
1 3.
1 ,
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가 가 ,
가 가
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2 4.
2 ,
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5.

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6. , , 가 .

7.

7 8. ,

7 9. ,

9 10. ,

가
가

11. ,

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2 2 ,

1 2 .

12.

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가

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가

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13.

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14.

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14

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가

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2

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가

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16.

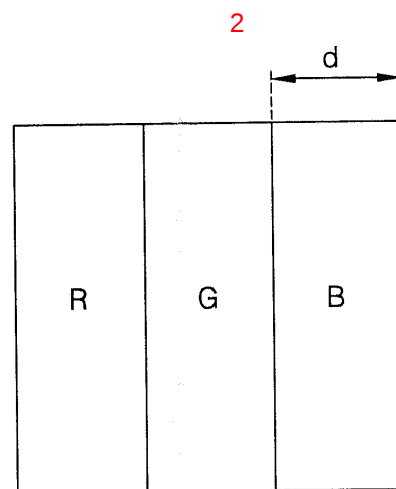
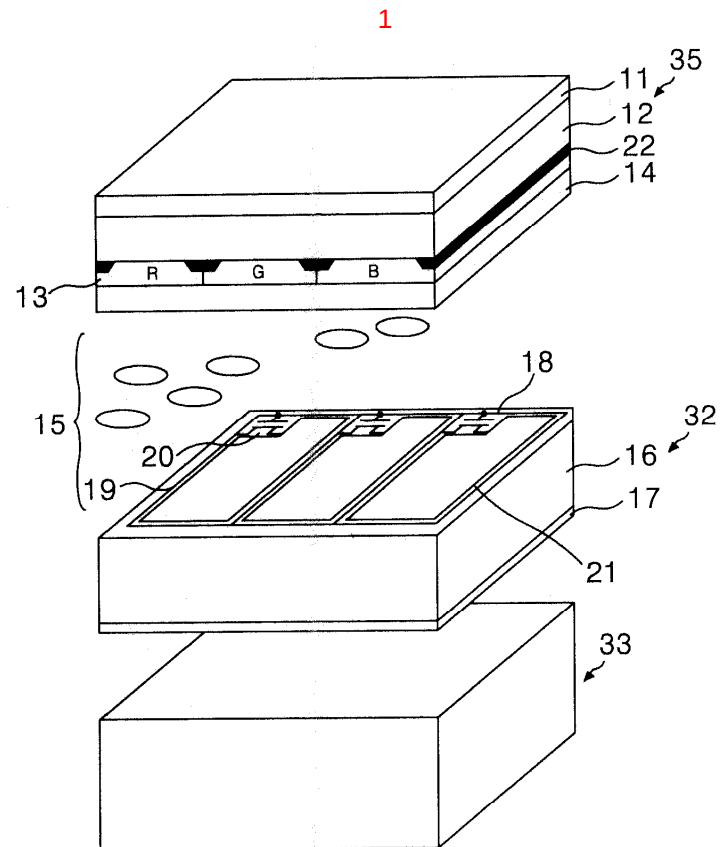
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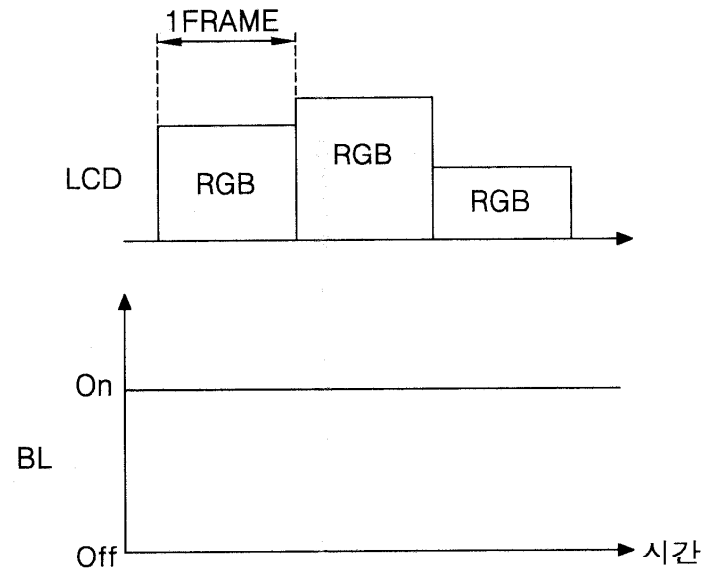
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가

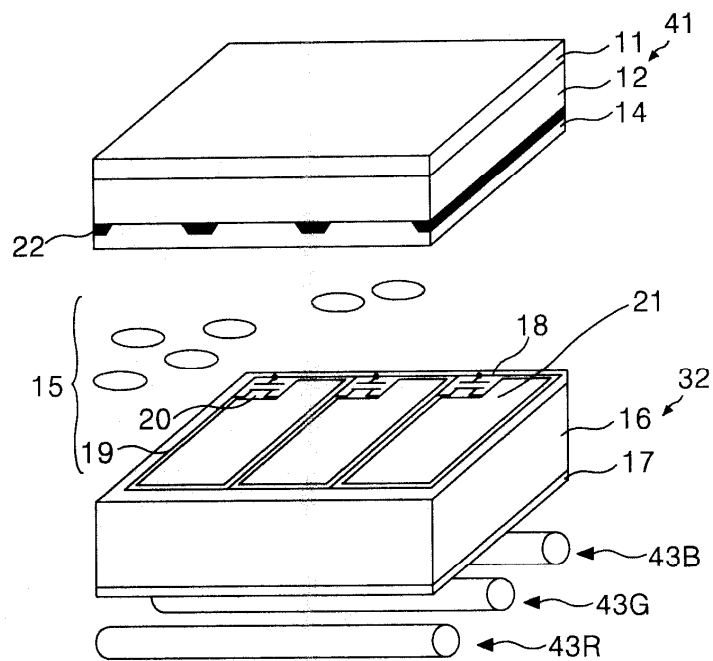
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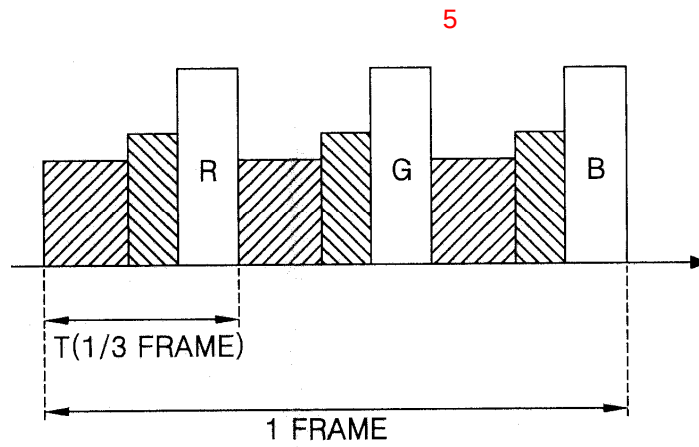


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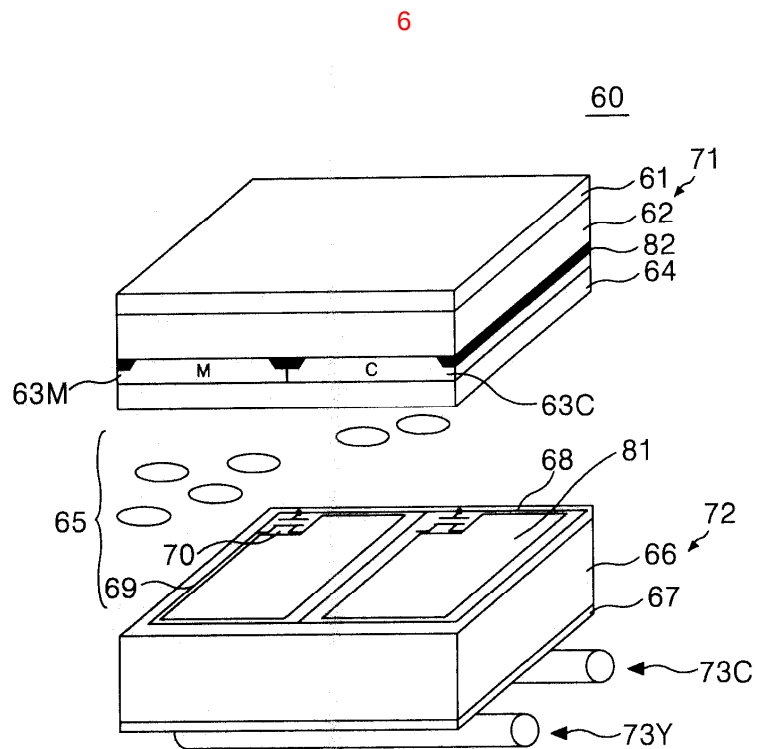


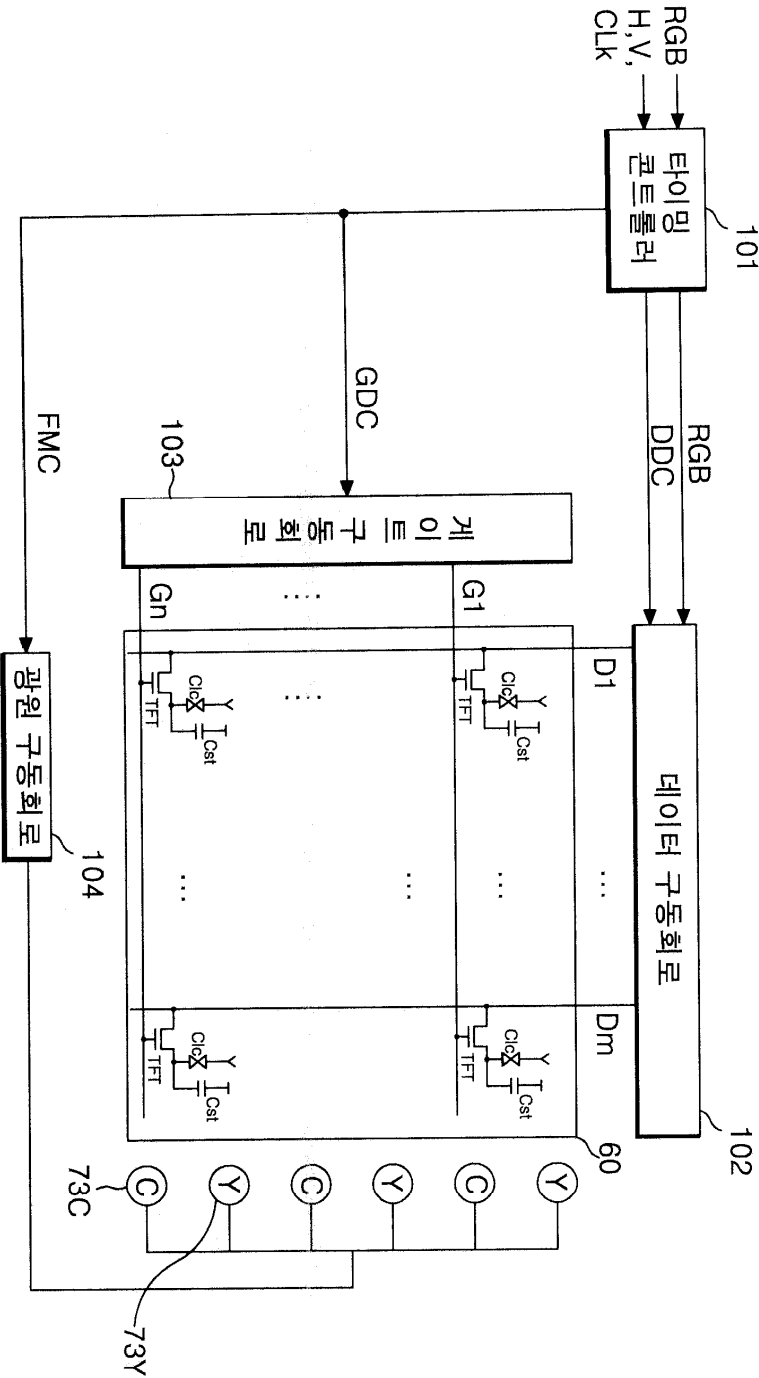
4



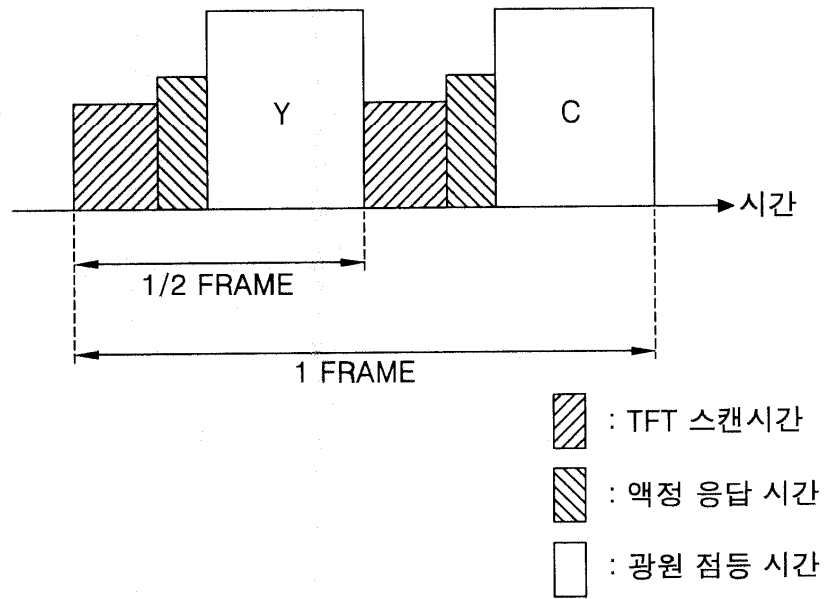


- : TFT 스캔시간
- : 액정 응답 시간
- : 광원 점등 시간

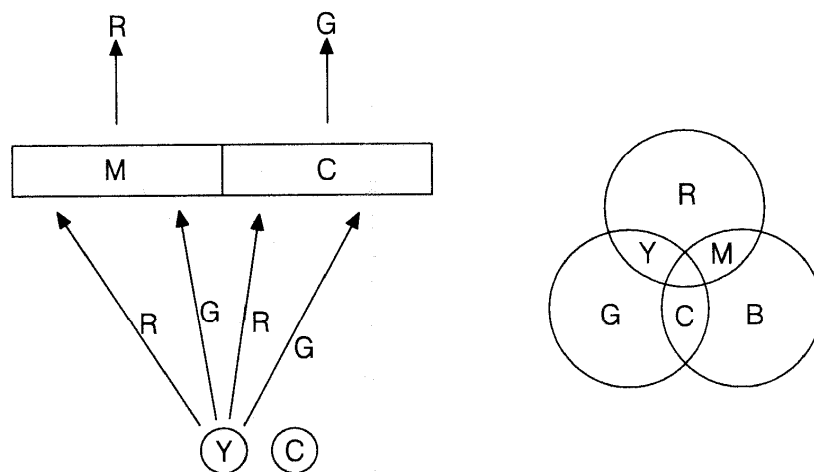




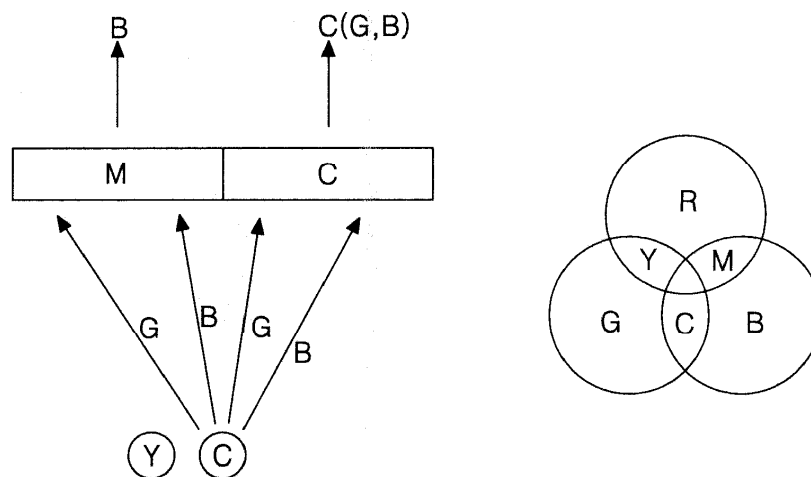
8



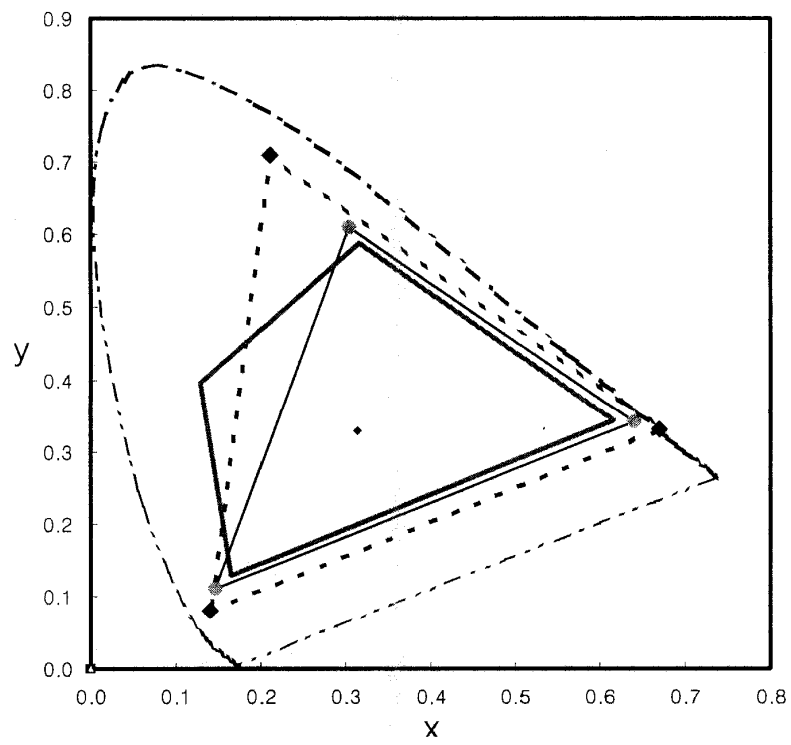
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—:R.G.B 색좌표
 - - -:최대 색좌표 범위
 . . . :NTSC 기준 색좌표
 —:RGBC 색좌표

专利名称(译)	液晶显示面板，其驱动方法和装置		
公开(公告)号	KR1020040058575A	公开(公告)日	2004-07-05
申请号	KR1020020084900	申请日	2002-12-27
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	SON HYEONHO		
发明人	SON,HYEONHO		
IPC分类号	G02F1/1335		
其他公开文献	KR100950517B1		
外部链接	Espacenet		

摘要(译)

本发明涉及一种LCD面板，其增加了色彩再现范围，提高了高度高亮度的分辨率。该LCD面板具有包括红色，绿色和蓝色以及青色的颜色再现范围。

