

(19) (KR)
(12) (A)

(51) 。 Int. Cl.⁷ (11) 10-2004-0034364
G09G 3/36 (43) 2004 04 28

(21) 10-2003-0055317
(22) 2003 08 11

(30) 91124225 2002 10 21 (TW)

(71) , -
1 3

(72) , - , 741, - , 8 가, 12,1

(74) :
:

(54)

(LCD) .
, LCD
, , , .

5
, ,

1 .
2 .
3 .

4A	4G			.
5		1		.
6A	6B	5	가	.
7		2		.
8	7		가	.
9		3		.
10	9		가	.
11		4		.
12	11		가	.
13		5		.
14	13		가	.

.) (Gamma correction apparatus) , 'LCD'

, 가 , LCD

LCD (matrix) (pixel) (liquid crystal layer)

가 (pixel luminance) , LCD

1 1 ,

Y , Y (both sides) (102) (104)

, LCD , (binary)

(gamma correction)' , LCD

2^2 , D0, D1, D2, D3, D4, D0, D0,
 , D0, V0, V9, V0, V1, V2, V3, V4,
 D1, D2, D3, D4, V9, V8, V7, V6, V5
 (補間法, interpolation)
 가, 8, 8, 8, 16, 8
 256 (gray levels) 3, DATA, 256, DATA
 (300) 256 가, DATA
 ; 2, V0, V4, V5, V9, R0, R1,..., R254, 255
 256 가 (node); 2, DATA
 4A, 4G, 4A, 4G
 4A, 4G, 3, 가, LCD, R, G, B
 가, 4A, 4G
 4A, 4B, 가, 4C, 가
 가, 가, 가, 4D, 4A
 , 4E, 4B
 , 4F, 4C
 , 4G, TN, LCD, VA, LCD, 가, 4A, 4B
 LCD, 4A, 4G
 가, 가, 가

, LCD

(gamma)

가

LCD

LCD

(gray - scale)

LCD

가

가

가

가

가

가

가

가

LCD

1

5

(500)

256

5

, 256

256

(500)

가

(500)

(502)

(

504)

(504)

(506)

(508)

(510)

(506)

(508)

(510)

5

(end line)

5

R, G, B

가

6A

6A

가

6A

,
 ,
 , (502) , V4, V5, V6, V7 V8
 2 가 , 191 VO0 VO191 19
 V4 V8 6A V4 V8 (502)
 , 0 191 VO1 VO191 0 191 VO0 VO191 192 가
 6A 6B 6A , 6A ,
 6B , (6B) (504) 가
 (, 가)
 , LCD
 (504) , (506) (508)
 (510) (506) ;
 (506) 64 VO192r
 V1R, V2R V3R 3 , 64
 VO255r VO192r VO255r 6B 1 64 R Vr0 Vr63 64
 가 ; 2 V1R V3R
 , V1R (506) 5
 , V1R V2R V3R
 , (506)
 , 192 255 (506) V2R V3R R
 VO192r VO255r
 (508) (510)
 (508) (510) 6A 6B G
 B (508) (510)
 (506) (508)
 VO192g VO255g 192 255 (510)
 G VO192b VO255b 가, 192 255
 B (502) (504)가
 ,
 ,
 , 가
 7 , 2 64 255
 VO64 VO255

8 R, G B ,
 VO0r VO63r, VO0g VO63g VO0b VO
 63b 7
 8 가
 9 가
 R V3R VO255r VO191r V1
 V8R VO63r VO1r V6R
 10 가 9 11
 12 가 13
 14 가 5, 7, 9, 11 13
 가
 가
 가
 VOr, VOg VOb
 가
 가 ()
 ()
 , LCD
 가
 LCD

(57)

1.

LCD

가 ,

LCD

;

가

:

,

2.

1 가

3.

1 가 ;

4.

3

5.

3

6.

3 가

7.

6 가 가

8.

1

9.

8

;

;

:

가

;

가 ,
;
가 ,
.
10. LCD , LCD ,
가 ,
;
;
;
:
,
가 ,
;
가 ,
,
가 ,
.
11. 10 ,
가 , , ;
가 , , ;
가 , ,

11 12.

;

;

12 13.

가

13 14.

15.

;

가

:

LCD.

15 16.

가

LCD.

15 17.

가 ;

LCD.

17 18.

LCD.

17 19.

LCD.

20.

17

,
가
LCD.
21.

20

,
LCD.
가
22.

15

,
LCD.
23.

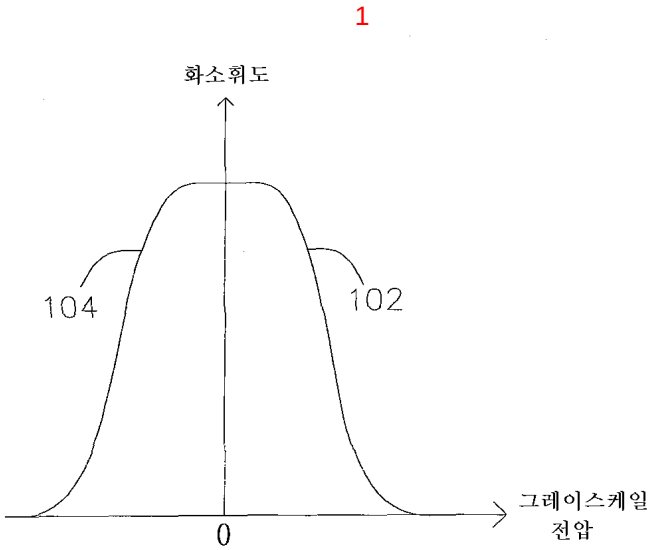
22

,
;

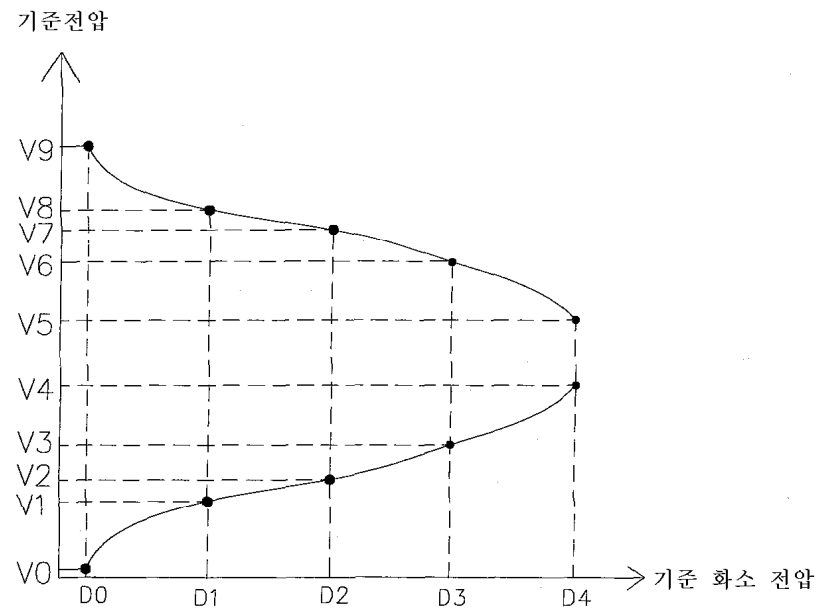
,
가
;

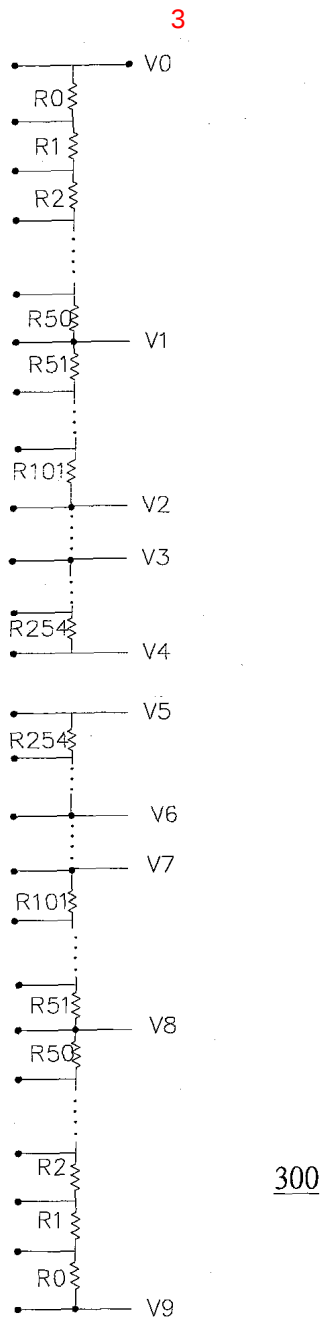
,
가
;

,
가
LCD.

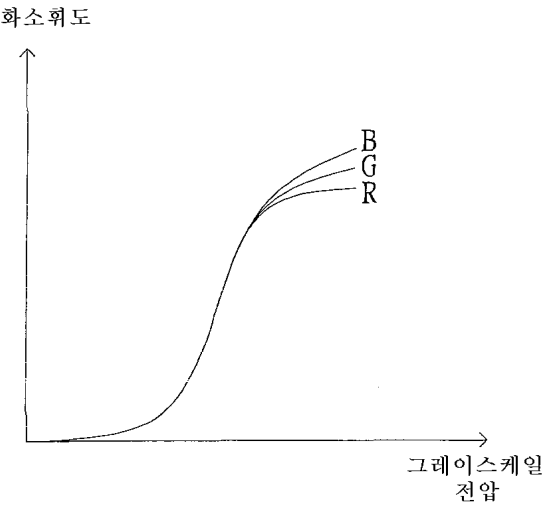


2

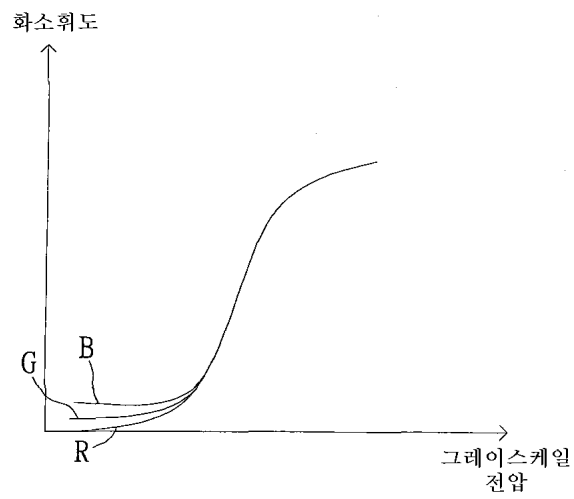




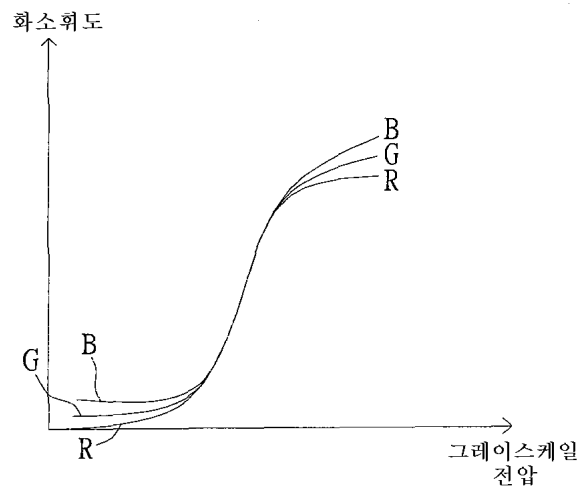
4a



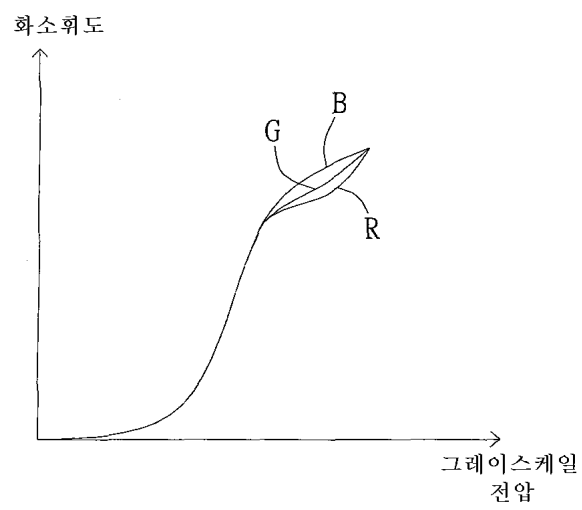
4b



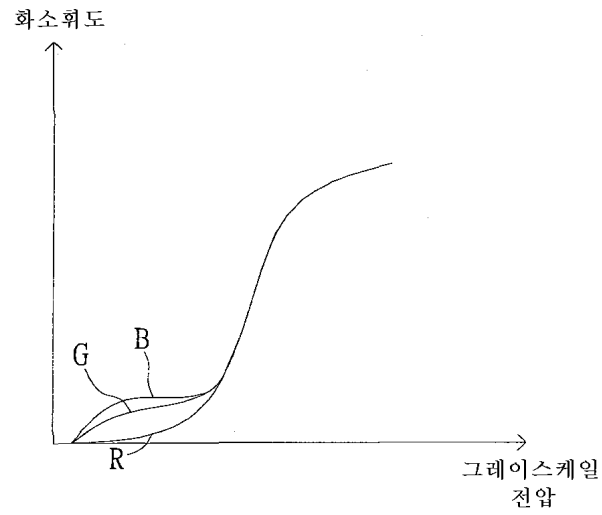
4c



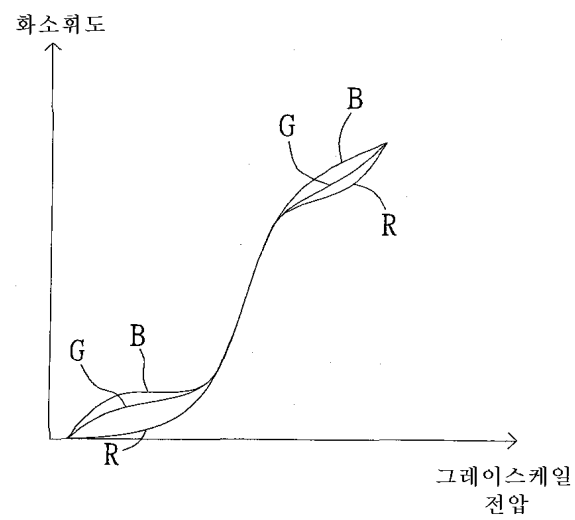
4d



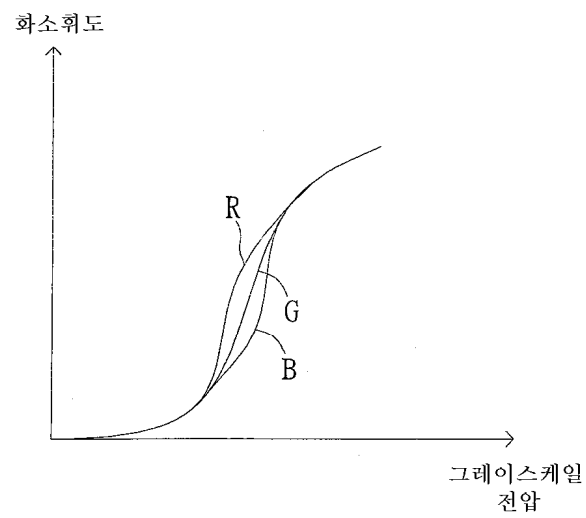
4e



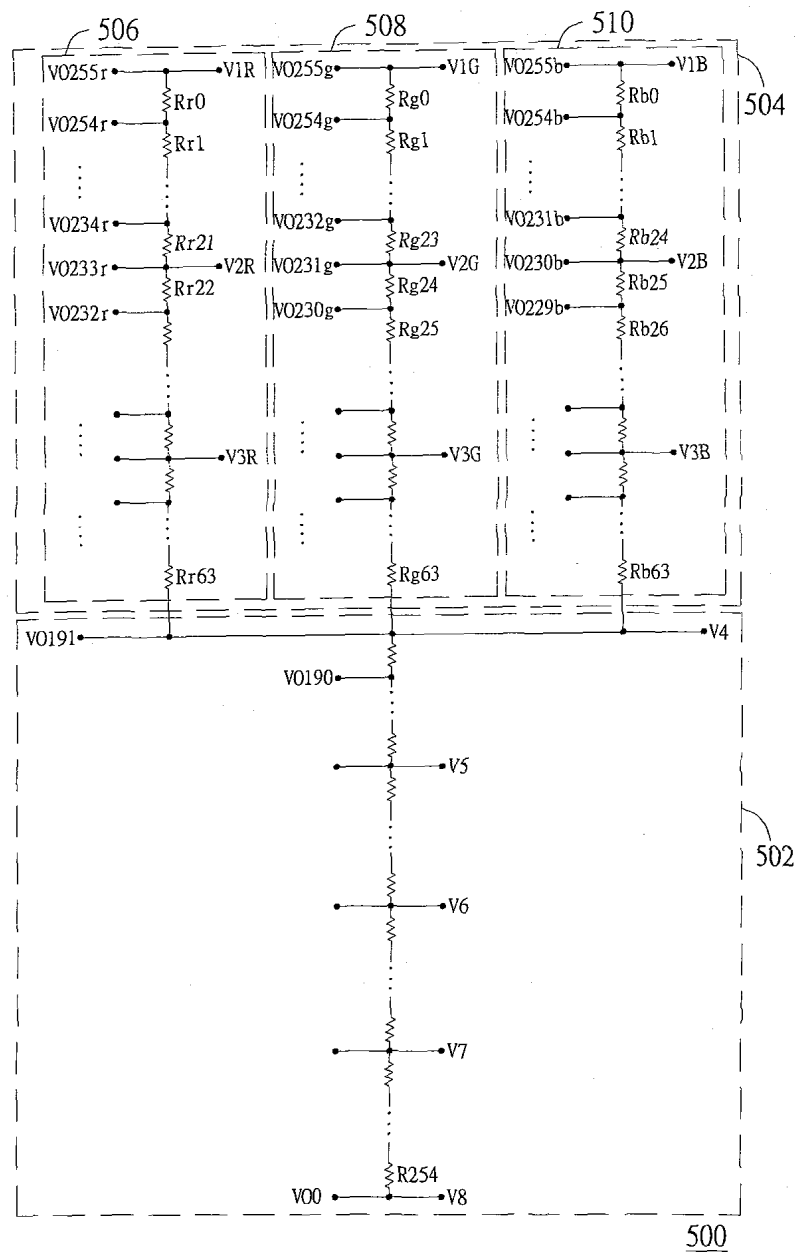
4f



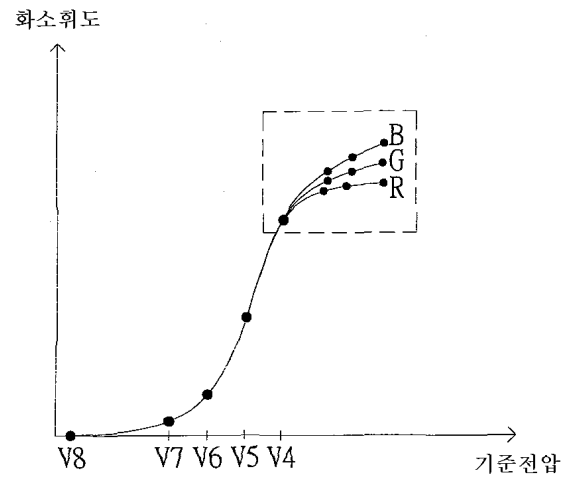
4g



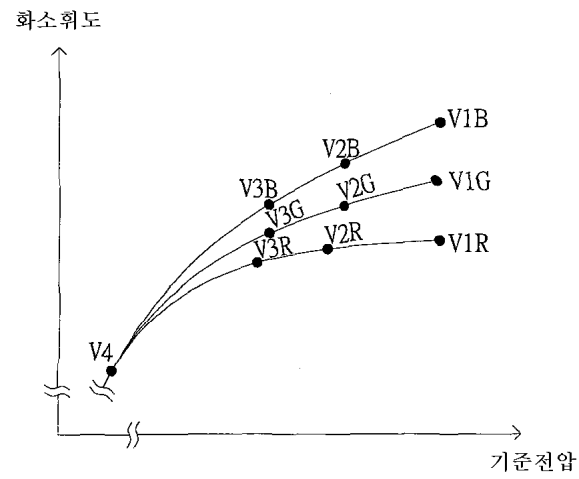
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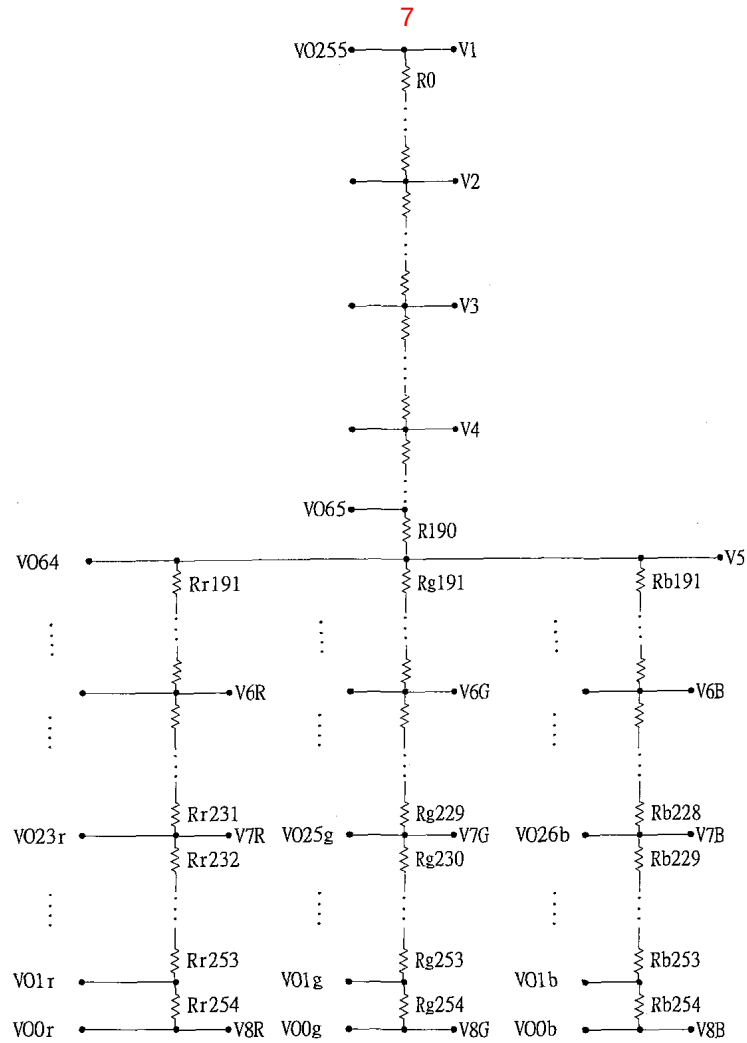


6a

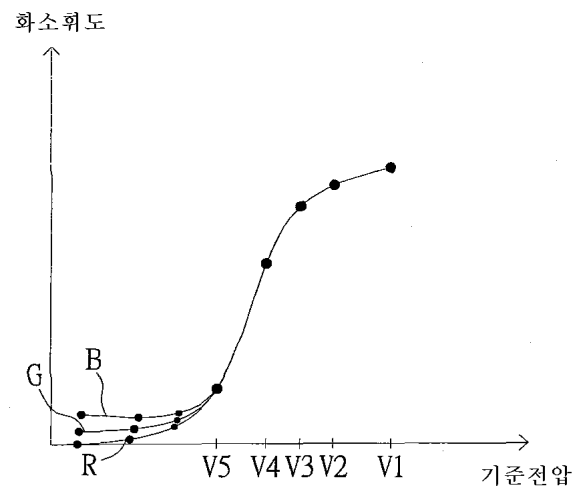


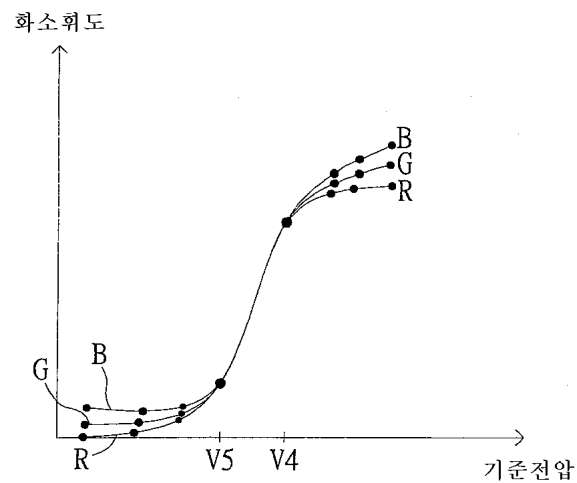
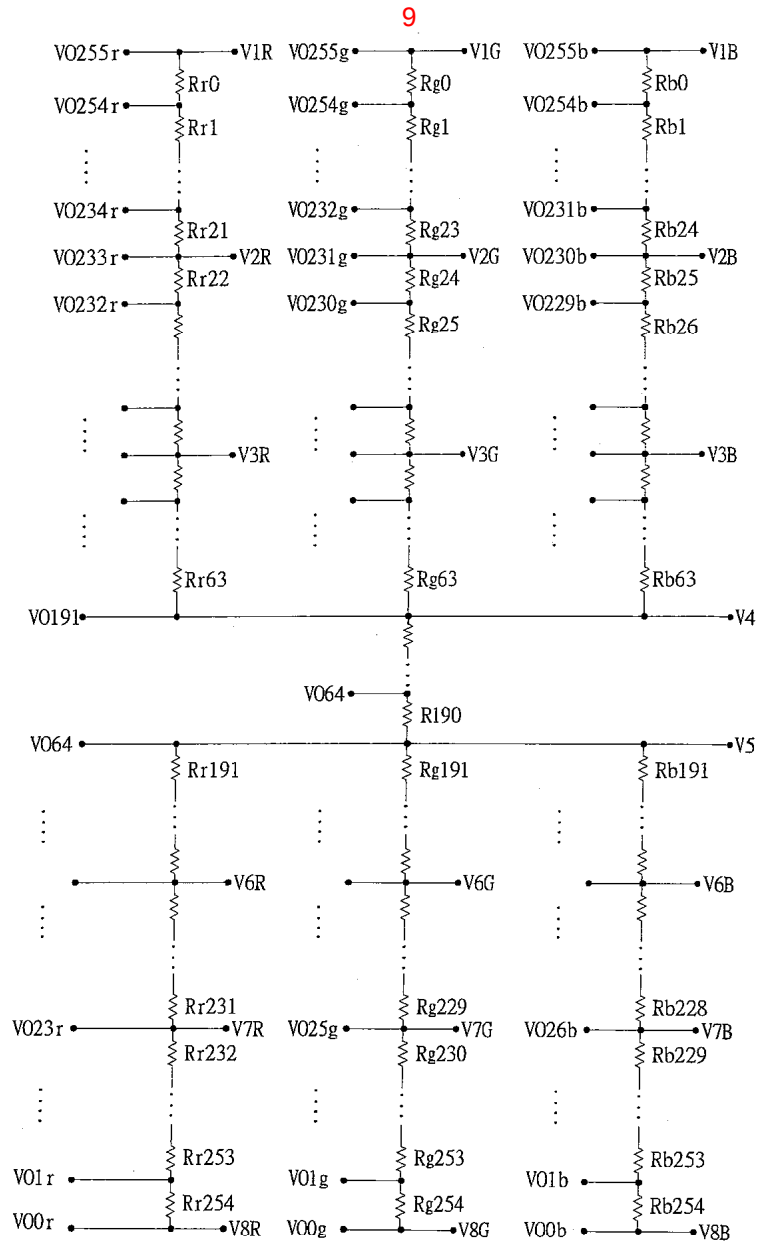
6b



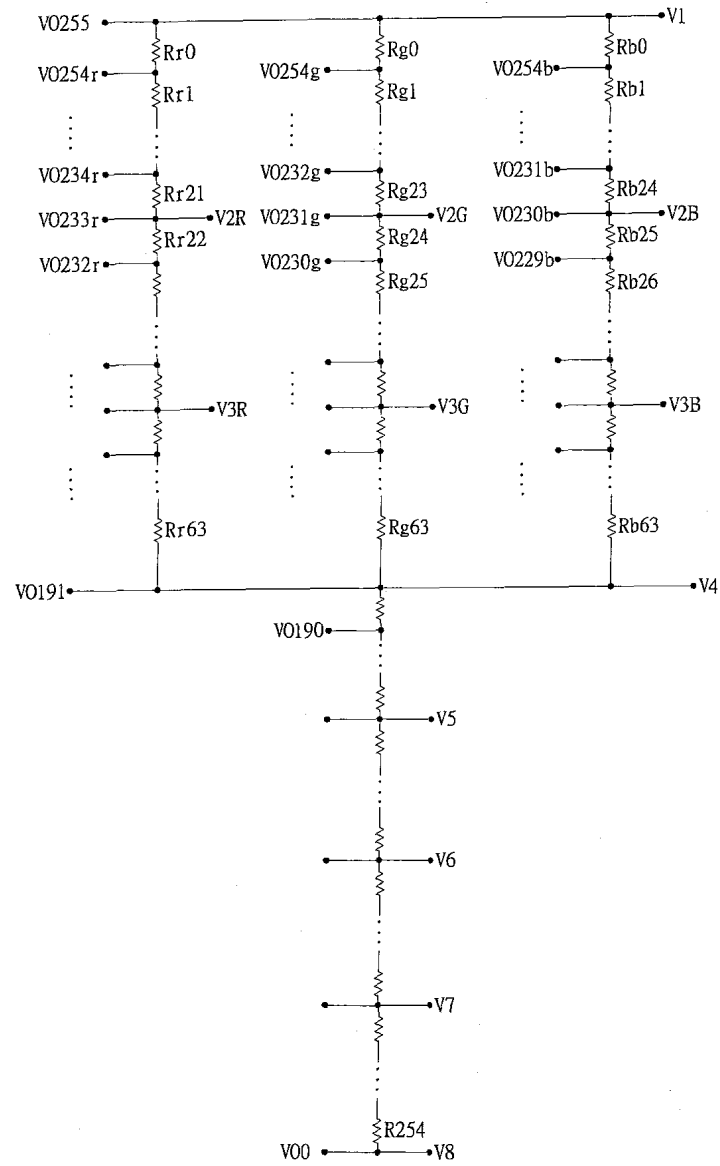


8

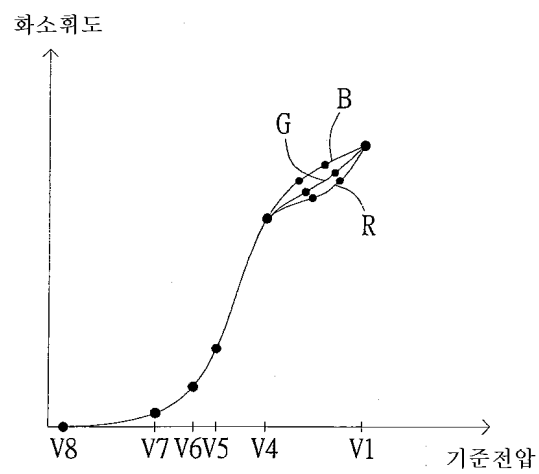




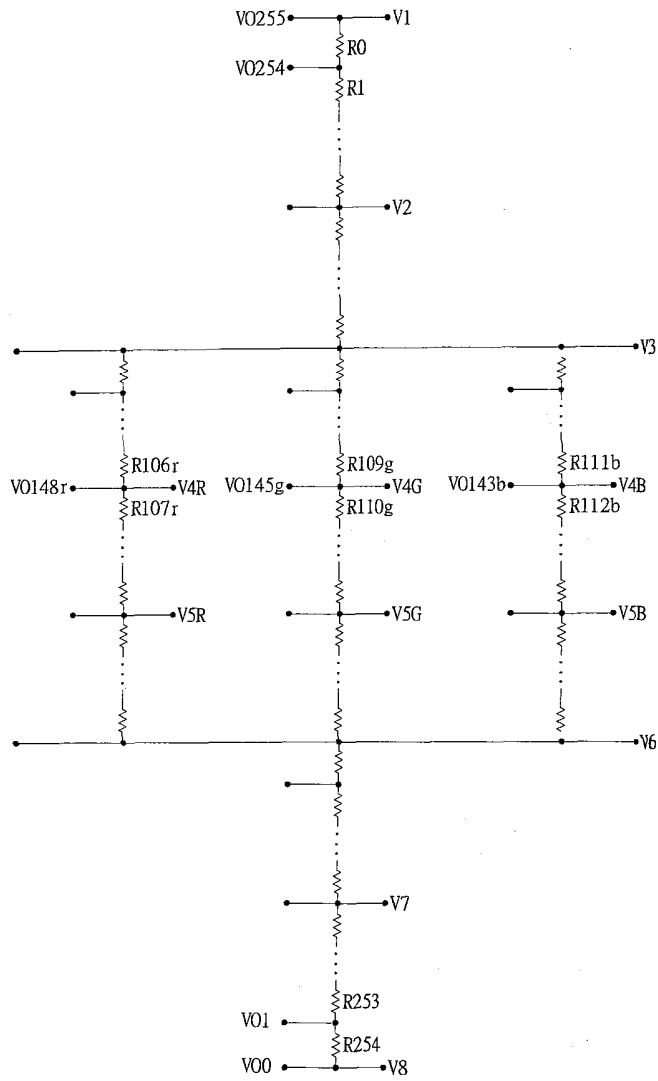
11



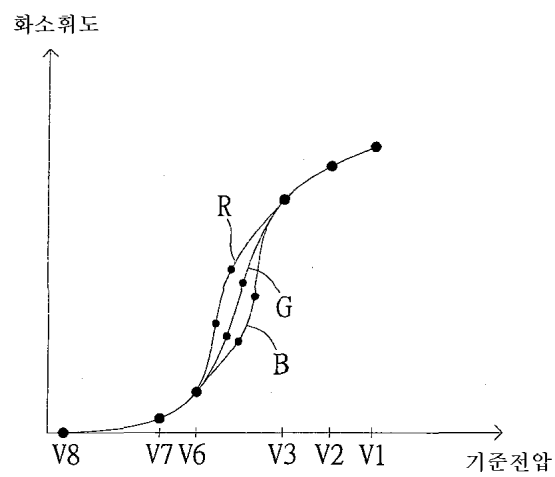
12



13



14



专利名称(译)	用于液晶显示器的伽马校正装置		
公开(公告)号	KR1020040034364A	公开(公告)日	2004-04-28
申请号	KR1020030055317	申请日	2003-08-11
[标]申请(专利权)人(译)	奇景光电股份有限公司		
申请(专利权)人(译)	嗨最大科技有限公司		
当前申请(专利权)人(译)	嗨最大科技有限公司		
[标]发明人	BU LIN KAI		
发明人	BU,LIN KAI		
IPC分类号	G09G3/36 G09G3/20		
CPC分类号	G09G3/2011 G09G3/3696 G09G2320/0276 G09G2320/0271		
优先权	091124225 2002-10-21 TW		
其他公开文献	KR100936788B1		
外部链接	Espacenet		

摘要(译)

设置在液晶显示器 (LCD) 中的伽马校正装置包括灰度级电压产生电路和伽马校正电路。其中, 灰度电压产生电路包括公共灰度电压产生电路和多个单独的灰度电压产生电路, 其中每个单独的灰度电压产生电路产生单独的灰度电压并产生LCD面板的像素的显示颜色之一它对应。根据像素信号的对应颜色, 伽马校正电路选择公共灰度电压和相应的颜色的单个灰度电压, 并输出对应于像素信号的像素电压。五 指数方面 伽马校正装置, 灰度电压产生电路, 伽马校正电路

