

(19)
(12)

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(43)

10-2004-0061338
2004 07 07

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10-2002-0087539

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2002 12 30

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(72)

946-16

(74)

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(54)

가

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3b

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3 4

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5

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6 7

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120,220: 121,221:

122,222: 123a,223a: R

123b,223b: G 123c,223c: B

124a,224a: R 124b,224b: G

124c,224c: B 130,230:

135a 135c: 1 3 235:

(Mobile Phone), PDA, 가
(Flat Panel Display Device) 가
LCD(Liquid Crystal Display), PDP(Plasma Display Panel), FED(Field Emission Display), VFD(Vacuum
Fluorescent Display)
(LCD)가

1 (1)
(5) (3) (5) (3) (7) (1)
5) (Array) (Thin Film Transistor) (5) 가 (3)
(Color Filter) (2) 가 (3)
(8) (5) (3) (7) (4)
(7) ()
(5) (3) (Sealing material)() (7)
(5) (9)
(5) (5)
(3)
(5) (Gate Line)
(Date Line) 가 가
(3) (2)
(4)

2

2a (21) (26)
(photolithography) (22) 2b
(Red) (27) (28)
(Green) (Blue) (23a) 2d

, (23b,23c) , R, G, B (23) .

, 가 , ,

. 가 , ,

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가 ;

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. 가 , ,

, .

, ; 가 1

1 ; 1 R ; R 가 1

2 ; 2 ; 2 ; R 가 G

2 ; 3 2 ; R,G 3 가

B ; 3 B 3

. ;

, 가 ; R,G,B ; R,G,B

UV R,G,B ;

. ;

3 4 , 3 , 4

3

, 3a 4a (121)

(122) (120) ((122) , /)

(122) (Cr) (Cr alloy)

. , ,

. ,

, 3b 4b (122)가 (121) 1 (135a)

a R (130) (dropping) 1 (135a) (130) (121) R (124a) 5

) (122) , 1 (135a) (120) , R . (135

가 가 .

) , 3c 4c , (130) (121) R (124a)
 R UV , R (123a) (130)
 (124a)가 (barrier) .

0) , 3d 4d , R (123a)가 (121) 2 (135b) (13) (dropping) (135b) (121) G (124b) 5b G (130) 2 (135b) (120) 1 (13) (130) 가 .

) , 3e 4e , (130) (121) G (124b)
 G UV , G (123b) (barrier) (130)

, 3f 4f , R,G (123a,123b)가 (121) 3 (135c) (124c) 5c (dropping) (135c) (130) B (135c) (120) (130) 2 (135b) 가 .

124c) , 3g 4g , (130) (121) B ((UV , B (123c) (130) (124c)가 (barrier) .
 B 6 7 , 3 , 6 7

, 6a 7a , (221) (, /) ,
 (122) (220) .

) , 6b 7b , (222)가 (221) 1 3 (235a 235c
 4b,224c) (230) , (235) (221) R,G,B (224a,22 (222) R 가 가

, 6c 7c , (230) (221) R,G,B ((224a,224b,224c) UV , R,G,B (223a,223b,223c) .
 (230) R,G,B (224a,224b,224c)

R,G,B ,

3 R,G,B

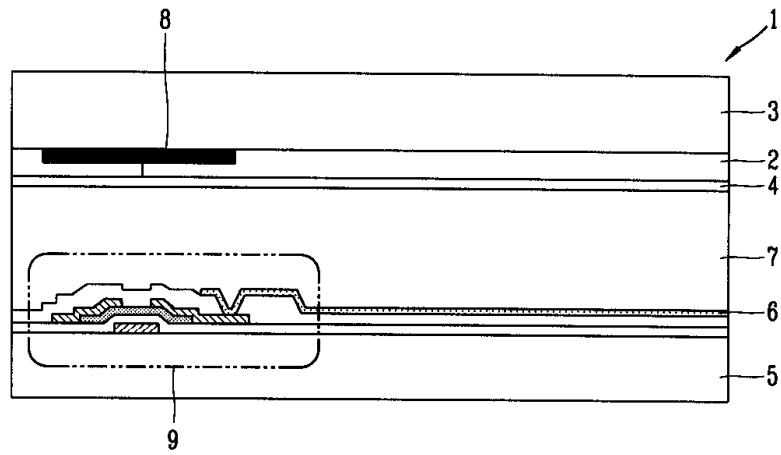
R,G,B ,
 R,G,B 가 .

, 가 ,
 R,G,B ,
 , 가 .

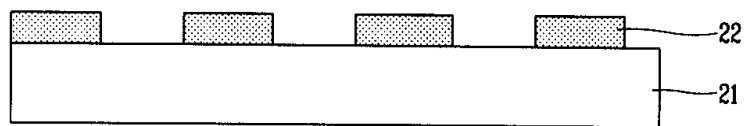
(57)

1. ;
가 ;
.
2. 1 , .
3. 1 , , 가
.
4. 3 , .
5. , ;
가 1 1
;
1 1 R ;
1 R ;
R 가 2 2 ;
2 2 G ;
2 G ;
R,G 가 3 3 ;
3 3 B ;
3 B
.
6. ;
가 ;
R,G,B ;
R,G,B UV R,G,B
.

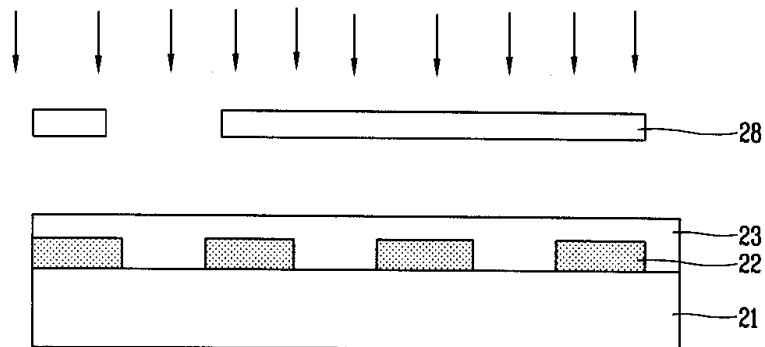
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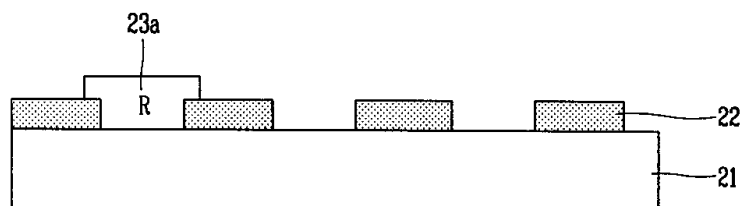
2a



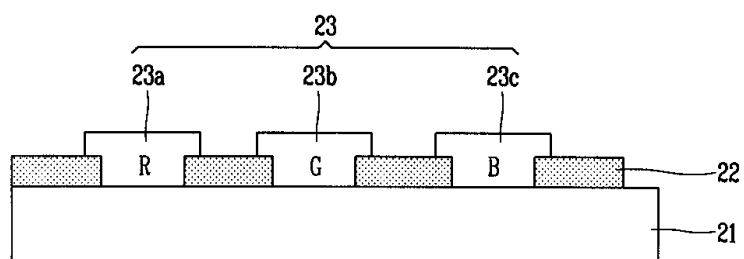
2b



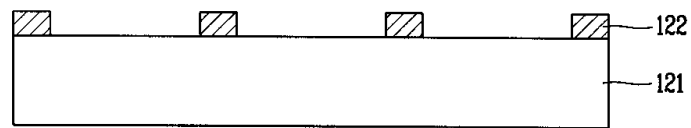
2c



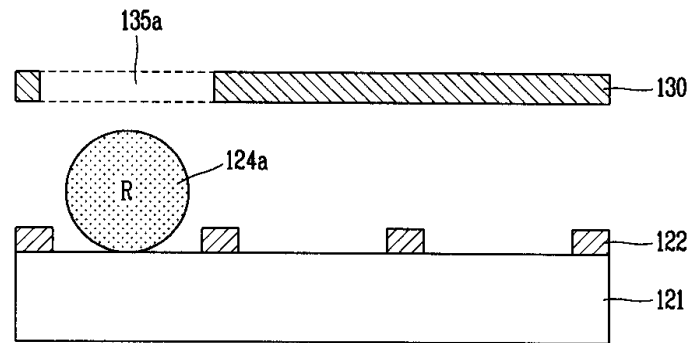
2d



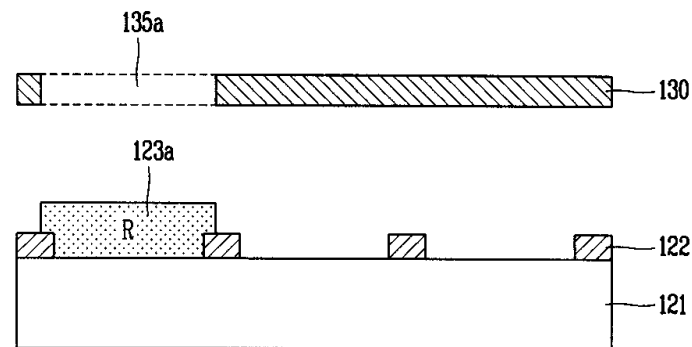
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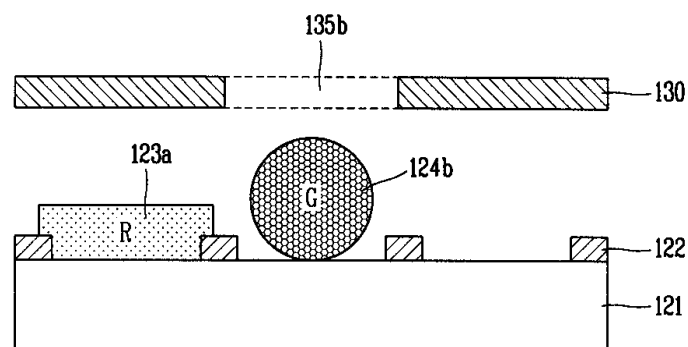
3b

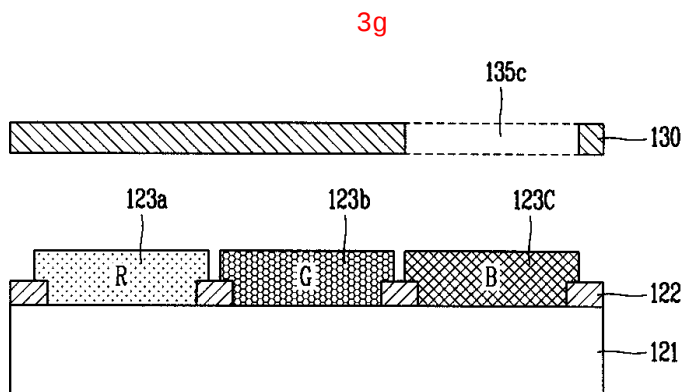
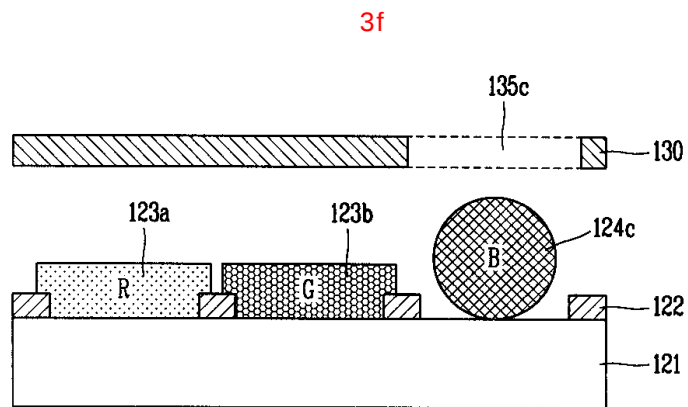
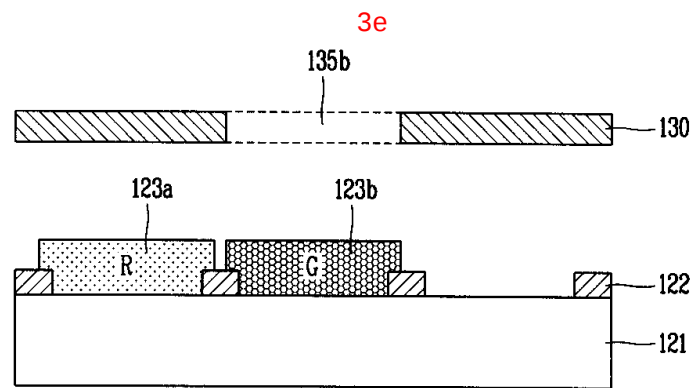


3c

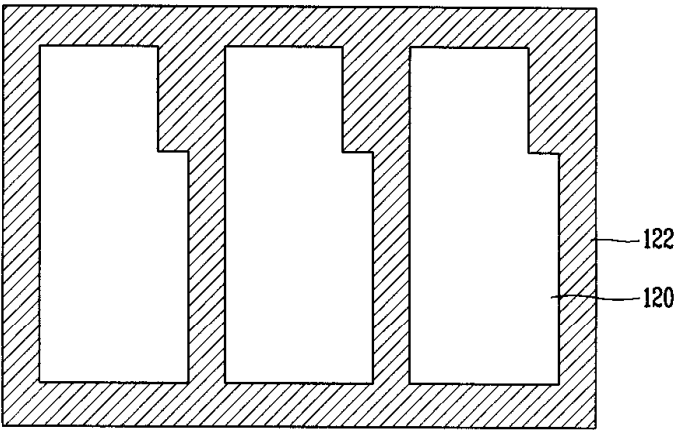


3d

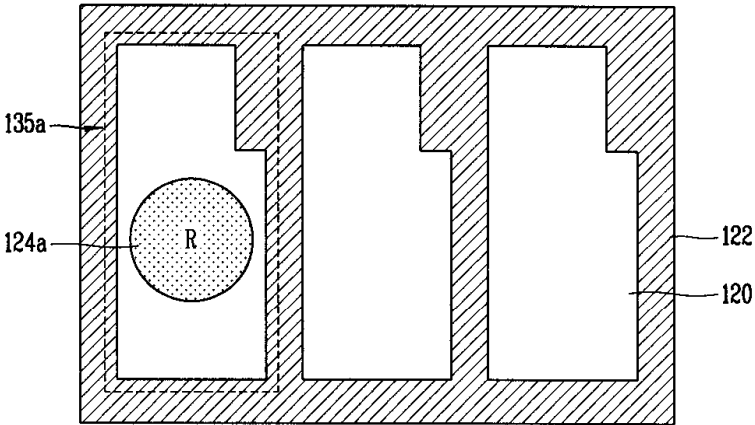




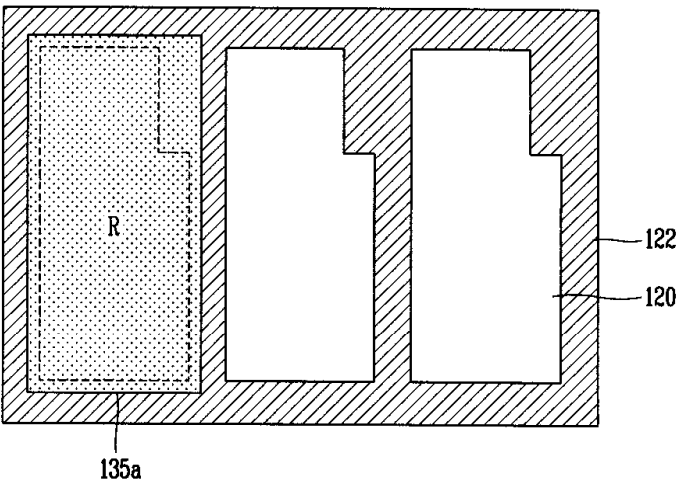
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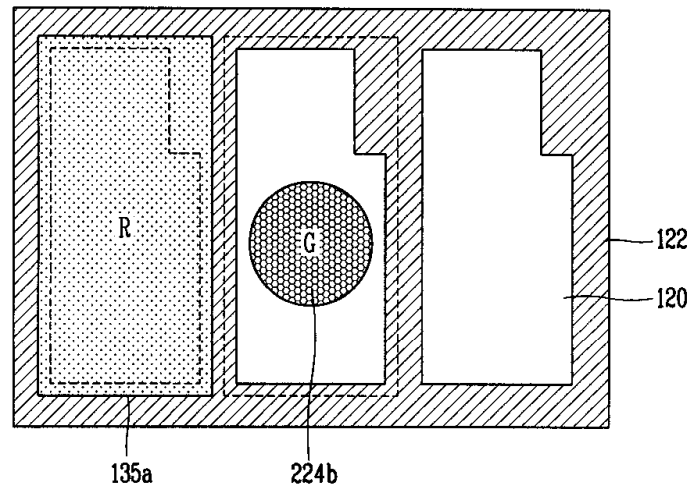
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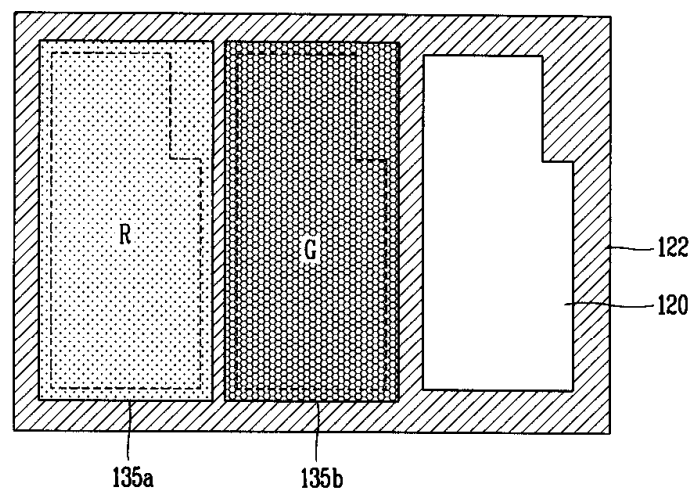
4c



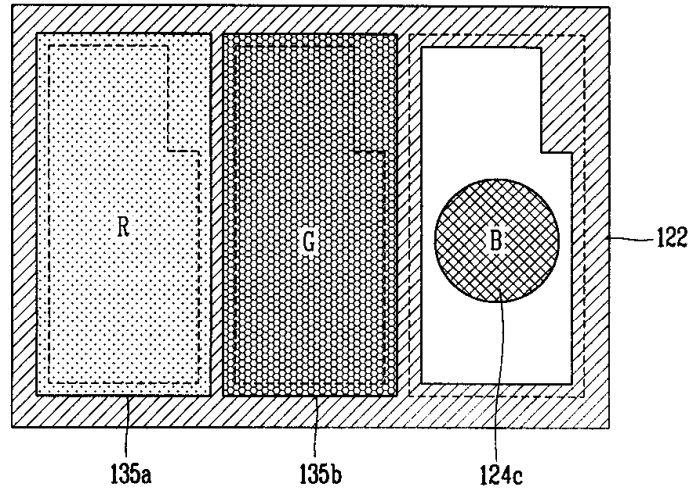
4d



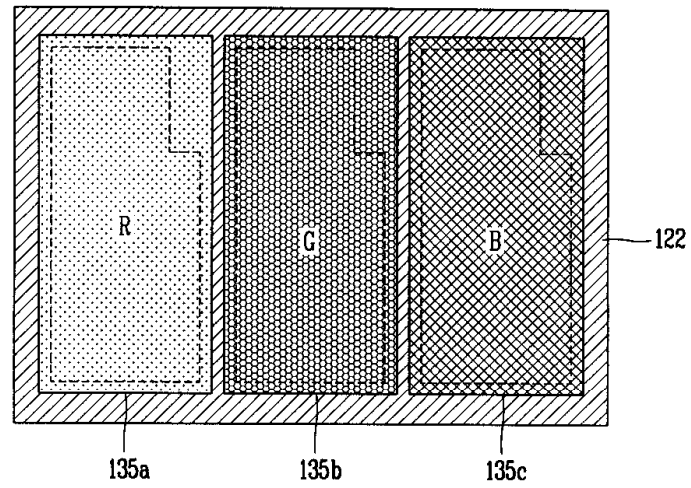
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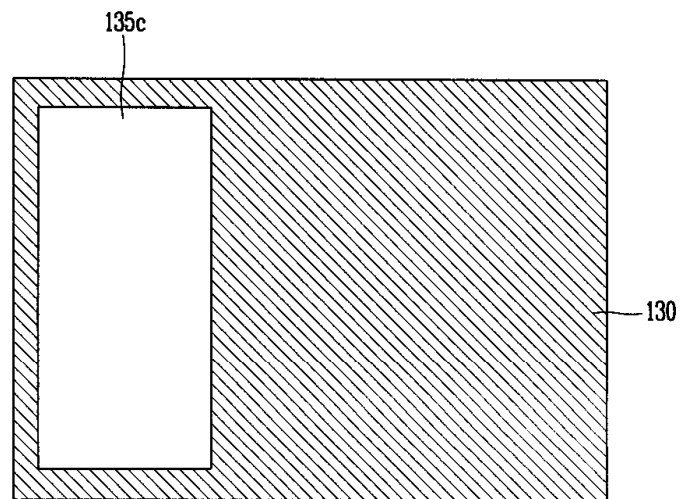
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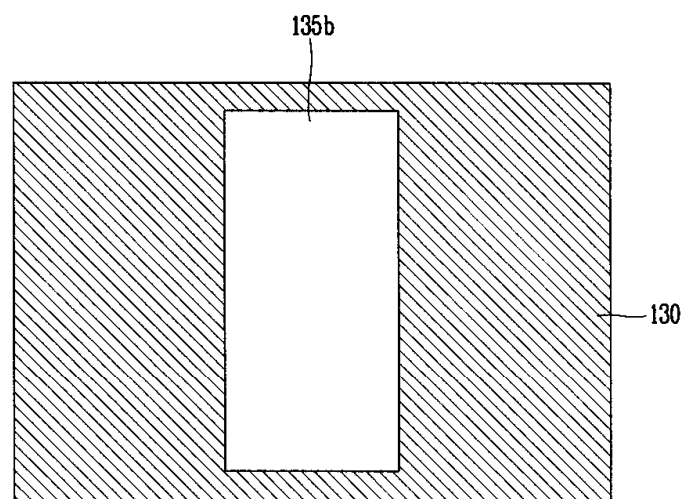
4g



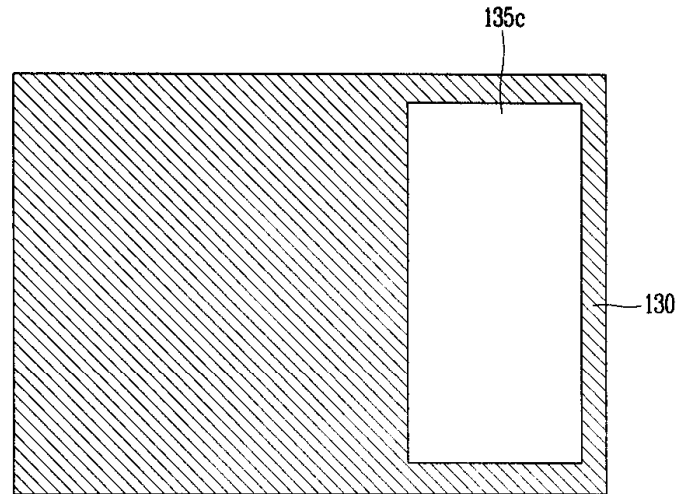
5a



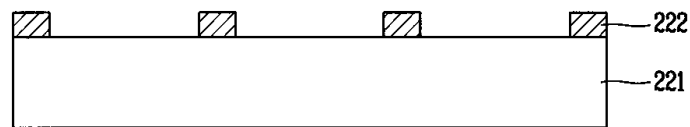
5b



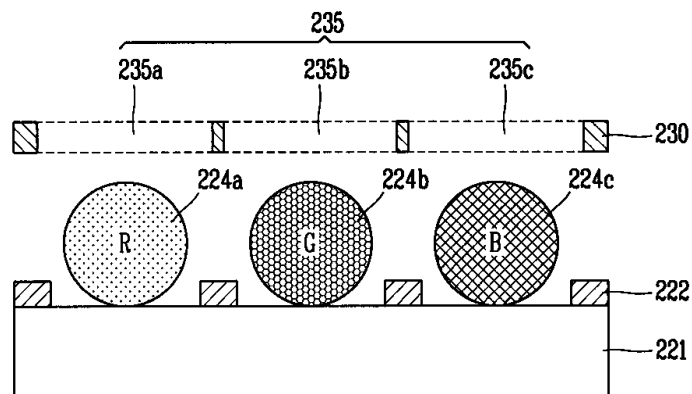
5c



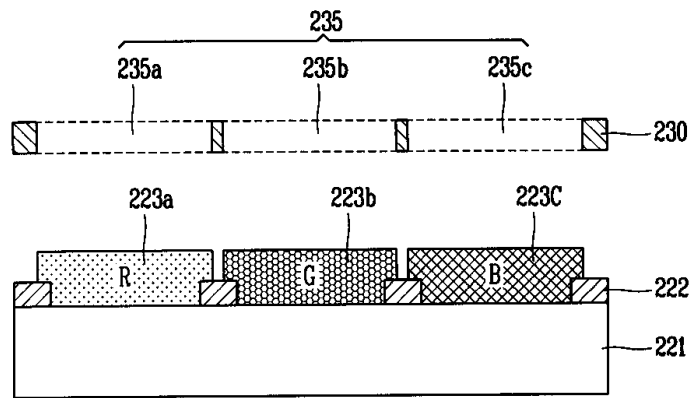
6a



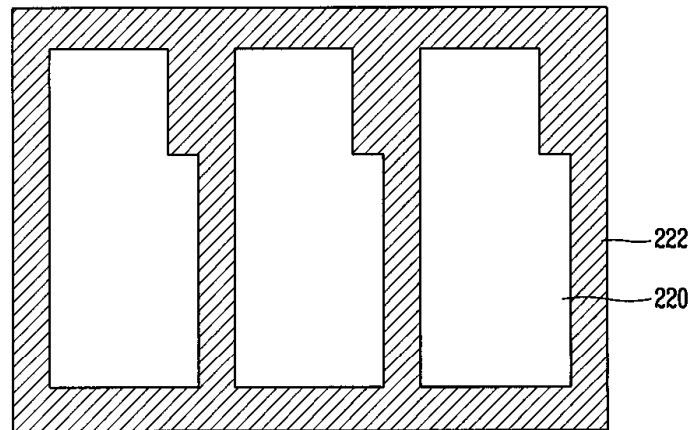
6b



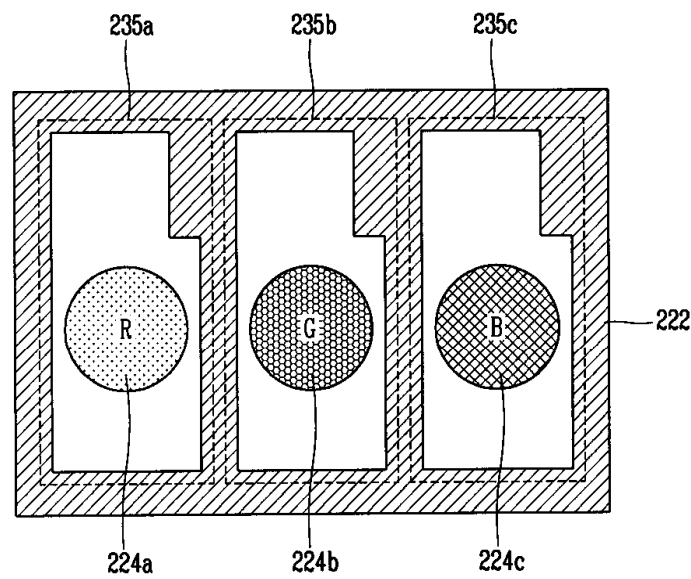
6c



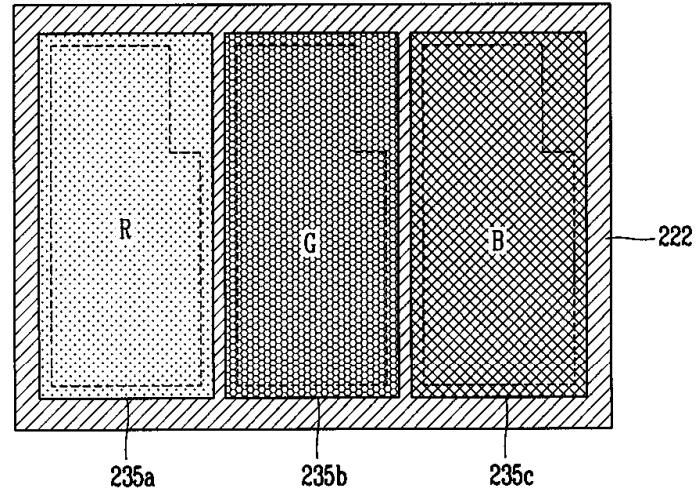
7a



7b



7c



专利名称(译)	液晶显示元件的滤色器的制造方法		
公开(公告)号	KR1020040061338A	公开(公告)日	2004-07-07
申请号	KR1020020087539	申请日	2002-12-30
[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	KIM DONGGUK		
发明人	KIM,DONGGUK		
IPC分类号	G02F1/1335		
代理人(译)	PARK , JANG WON		
其他公开文献	KR100960482B1		
外部链接	Espacenet		

摘要(译)

本发明涉及液晶显示装置的滤色方法。并且，包括在基板上形成黑矩阵的步骤，以及通过形成在基板上的多个孔上的孔将彩色墨水卸载在基板上的步骤。关于步骤，形成黑矩阵是设置所形成的屏幕的步骤：屏幕。

