

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

(51) 。 Int. Cl. 7
 H05B 33/10 (11) 2003 - 0002947
 (43) 2003 01 09

(21) 10 - 2001 - 0039542
 (22) 2001 07 03

(71) 20 LG

(72) 299 - 24

(74)

:

(54) E L

EL , 1 2 EL
 R, G, B , 가 가
 ,
 R, G, B .

5a

(shadow)

1a 1d

EL

2a 2d EL

3

4a 4c 3 'A'

5a 5d EL

*

10 : 20 : 1

30 : 60 :

60 - 1 : 70 :

EL_{mask} , EL (shadow)

EL R, G, B 가
1a .

1a 1d EL

$$1a \quad (1) \quad \text{ITO} \quad (2) \quad , \quad (2)$$

(7)

(6) R, G, B (5) R, G, B (5 - 1, 5 - 2, 5 - 3)

1c , 1d R R G B 1b

가 ITO () 가
ITO

1b (6) (6) (6) (6)

1b
2

2a 2d

가

EL

R, G, B

2

, 6

6

, R, G, B
3

1b, 1c, 1d
2

(6)

, 6

EL

EL

EL

EL

EL
R, G, B

1

2

가

R, G, B

G, B

3

R, G, B

R,

5a 5d

EL

(10)

1 (20)

1 (20)

Cr, Al,

Cu, W, Au, Ni, Ag

1 (20)

(30)

(30)

2 ()

(70)

(10) 1 (20) 2 () . R, G, B
 3 3 (60) , (60) 3 (60 - 1) 가
 , (60 - 1)
 5a (60 - 1) (60) (60 - 1) 3 (60)
 4a 4c 3 A (60 - 1) 4a (60)
 (60) , 4c , 4b (60)
 , (60) , 가
 (10) R, G, B R, G, B (align) R, G, B
 , (60) 3 (align) R, G, B
 R, G, B (60) R, G, B
 (Mg - Ag , Al) 2
 (, ,) ,
 EL EL
 2
 가

(57)

1.

1 2 EL

R, G, B

2.

1 ,

3.

1

4.

1 , El

5

1 ,

6

1

3 R, G, B R, G, B

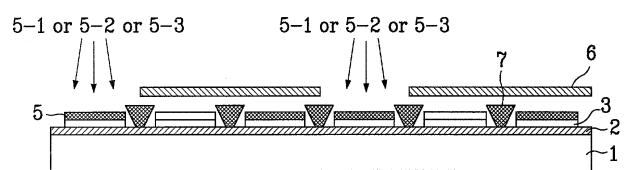
7

1 2 R, G, B
 EI

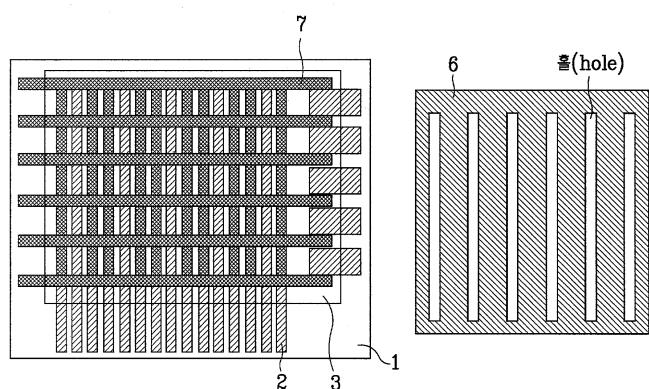
R. G. B.

1 2
El

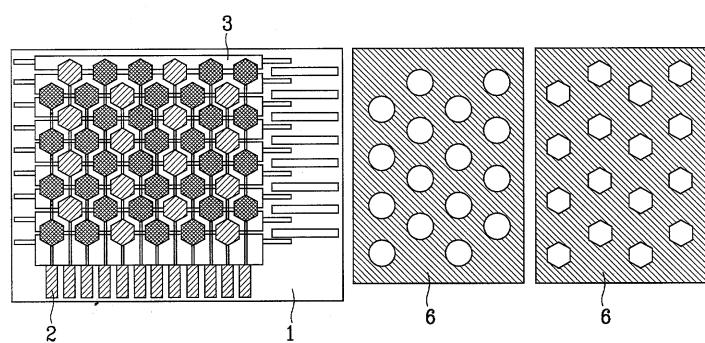
1a



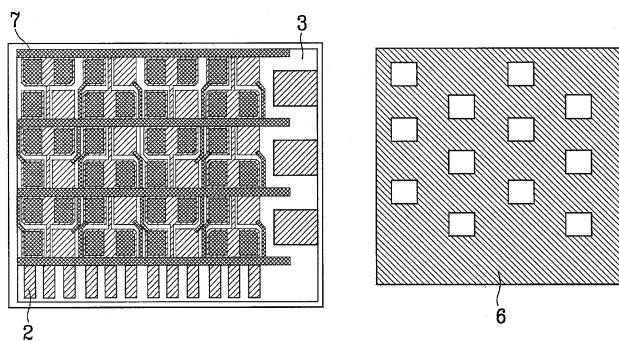
1b



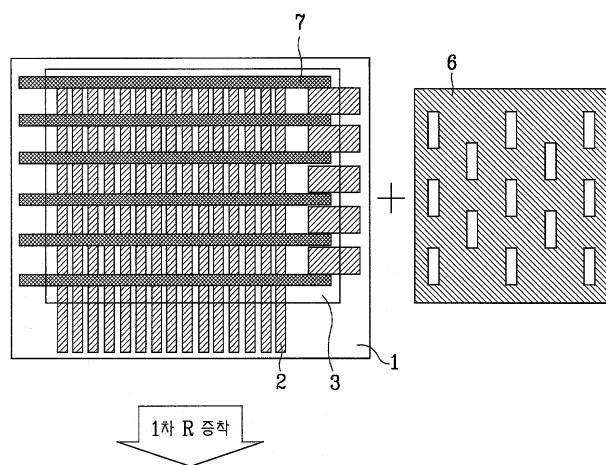
1c



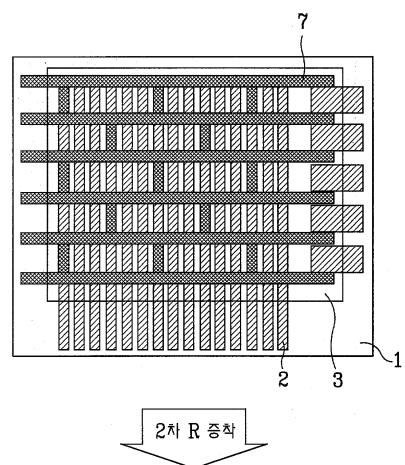
1d



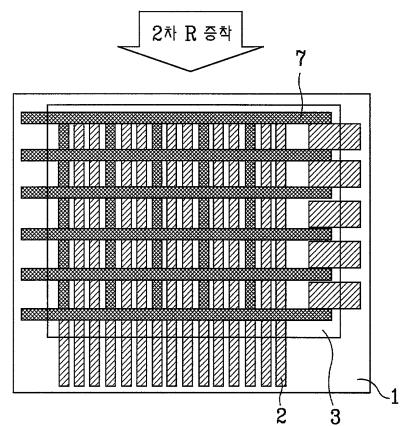
2a



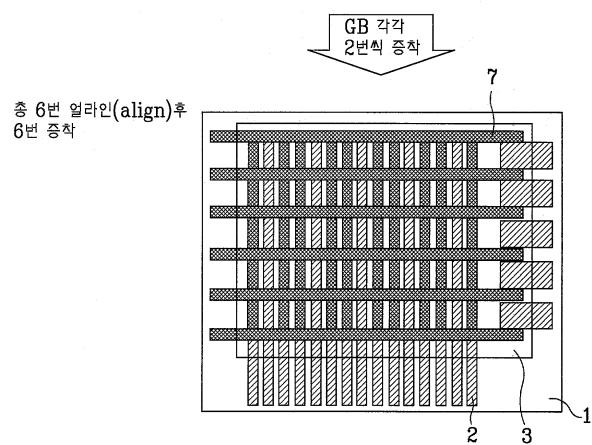
2b



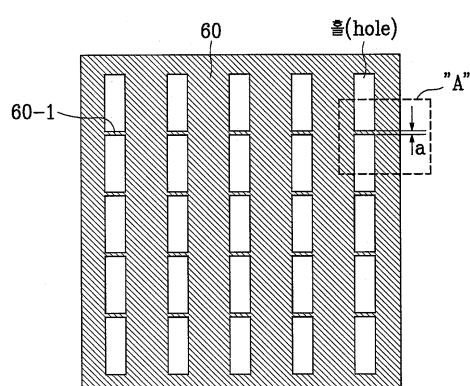
2c



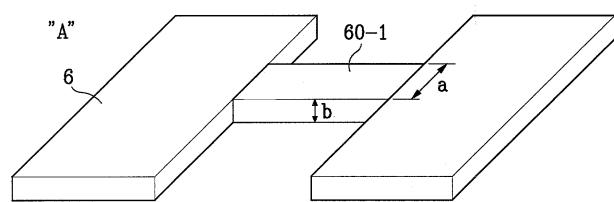
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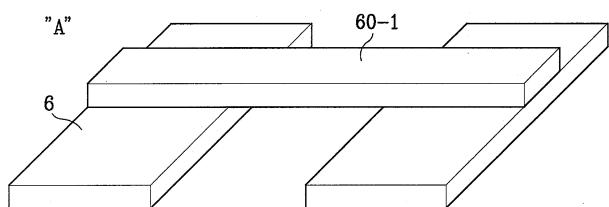
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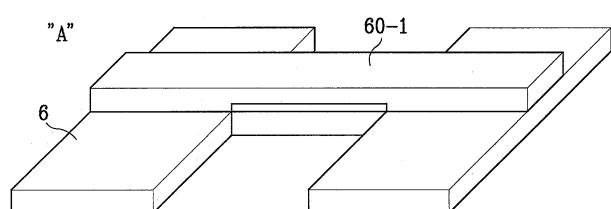
4a



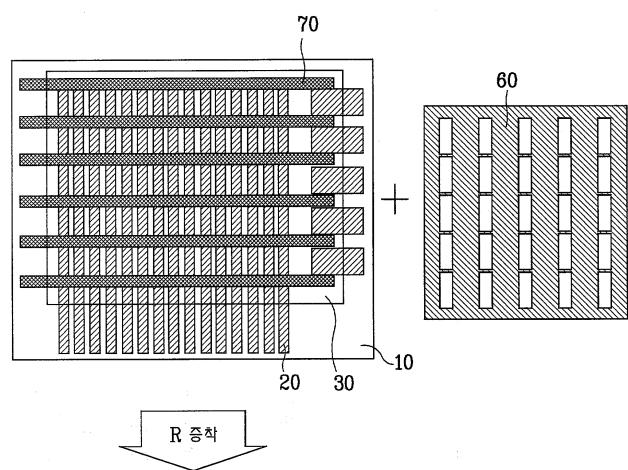
4b



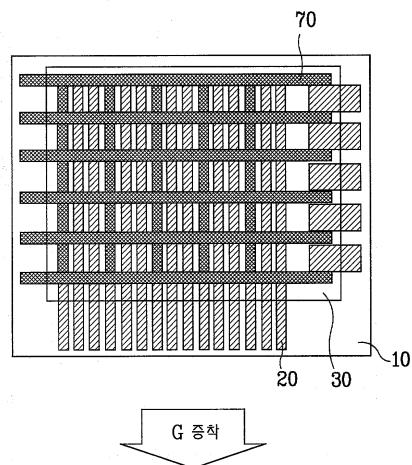
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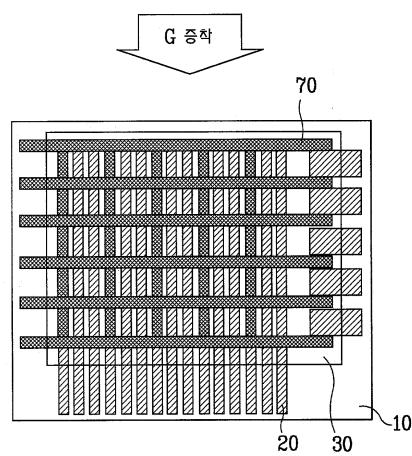
5a



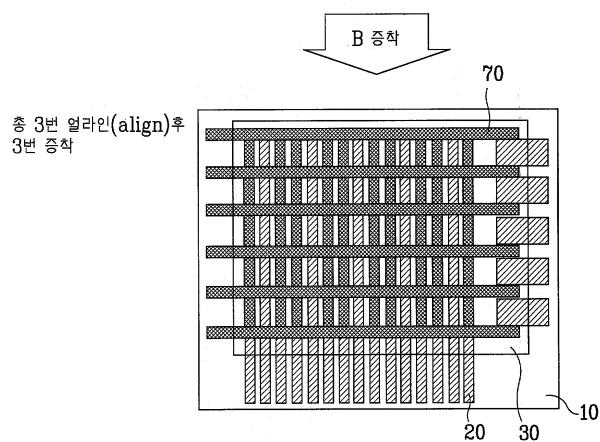
5b



5c



5d



专利名称(译)	全彩有机EL显示装置及制造方法		
公开(公告)号	KR1020030002947A	公开(公告)日	2003-01-09
申请号	KR1020010039542	申请日	2001-07-03
申请(专利权)人(译)	LG电子公司		
当前申请(专利权)人(译)	LG电子公司		
[标]发明人	KIM CHANGNAM		
发明人	KIM,CHANGNAM		
IPC分类号	H01L51/50 H01L27/32 C23C14/24 C23C14/04 H01L51/56 C23C14/12 H05B33/10 C23C14/06		
CPC分类号	H01L51/56 H01L27/3244 H01L27/3281 H01L51/0011 H01L27/3211 C23C14/042		
代理人(译)	金勇 新昌		
外部链接	Espacenet		

摘要(译)

本发明提供一种全色有机EL显示装置及其制造方法，其中R，G和B有机发光层形成在由透明基板上第一电极和第二电极彼此交叉的区域限定的多个像素上，G和B有机发光层通过使用具有多个条形孔和跨孔形成的多个桥的掩模形成，从而形成条带的全色有机EL显示装置 - 并且它形成在长孔中。由于预定数量的桥，可以防止荫罩由于张力而变形和卡住，从而增加了装置的孔径比并降低了驱动电压。 图5a 指示方面 暗影面具

