

(19)
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(43)2003 - 0025674
2003 03 29(21) 10 - 2001 - 0058835
(22) 2001 09 22

(71) 557 - 6

(72) 102 1207

(74)

:

(54)

, , , 가

;

;

.

3a

, , , , , ,

1a 1d

2a 2b

3a 3c

4

5

(align)

, PDA

(portable)

가

5 20V
(contrast)

가

가

가

가

가

1 (stripe)

2

1

1

R, G, B

가

R, G, B

2

R, G, B

R, G, B

R, G, B

(metal shadow mask)

R, G, B

(hole)

(align)

R, G, B

,
.
.
1a, R, G, B, 1a, 1d
, 1 (12) (10) (14), (R)
(100)
(R) (16a) (100)
(16a) (G) (G)
(G) (16b) (1b). (B) (16c)
(1c), (100), R, G, B (16c) 2 (16c)
(18)

(100) 2a 2b
(32) (active) (34) (34) 가 (frame,
(deposition) (source)
30) (100) 가 100 μ m (100)
가 가 (10)

(100) 가 (34) (32)
(36) (14)가 (10) (100)
(1a 1d), (10) (100)가 (12)
(36) (36) , 가 (100)
가 (100) (tension) 가
(100) 가 (100)가

(100)가 (10) (100) 가
(misalign) 가 ,

가 가

가

가 ,

가

3a 3c

3a

34) (30) (30) (100) (102) (34) (50)가

(102) (50) (100) (34)

102) , (30) (34) (32) (30) 가 (

(30) 가 (30)

가

(102) (30) 가

5mm .

가, (100) (34) (100) (screening) 100 μ m 가, (100) 가, SUS (100)

3b, (102)가 (100)
(104), (104) (100)가,
(104) (100) (104) (100) (104)
(100) (104) (100) (104)
(104) (102) (100) (30) 가
(100) (tension) 가 (100) 가
(34) (104)

, (100) (34) (104) (100) ,
 (100) (34) ,
 (100) (30) 가 R, G, B ,
 (102) (100) (104) (100) ,
 (102) (34) (100) (34) (102) (100) (34) (34)
 가 4 (34) (100) (34) (102), (100) (104) (align)
 (104) (108) ,
 , (100)가 (104) (108) , 가 ,
 (100) (34) (100) (34) (104) (104) , (104)
 (104) (104) ,
 (108) (106) 가 , (34)
 (100)가 SUS , (100) 150가 ,
 5 (102) (100) (104) (align) 5 (104)
 (108) , 가 (100)
 3 5 , (108), (100), (104)
 (108), (100) (104)
 (104) , (100) (108) (misalign) (100) (104)
 , , 가 , (active)
 (Liquid Crystal Display; LCD), (Plasma Display Panel; PDP),
 (Field Emission Display; FED), 가

, R, G, B

가

(57)

1.

가
가

;

;

2.

1 , 가 가
.

3.

1 , , .

4.

1 , 가
.

5.

2 , .

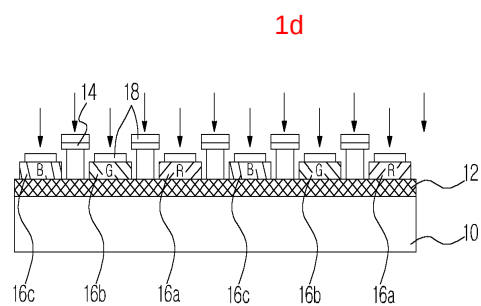
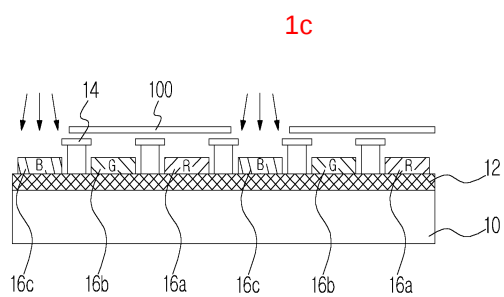
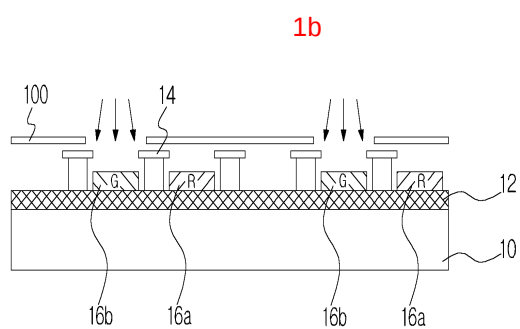
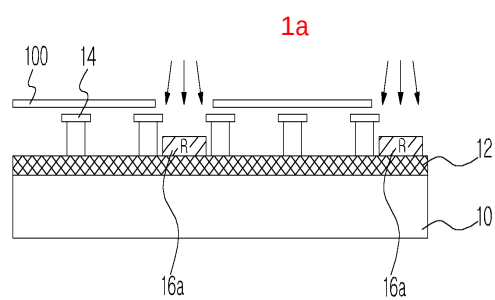
6.

1 , 가
.

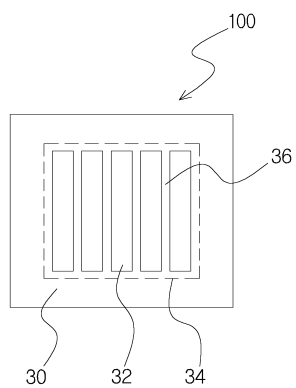
7.

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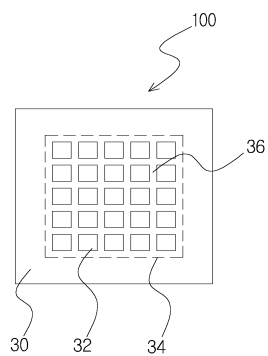
가 ;



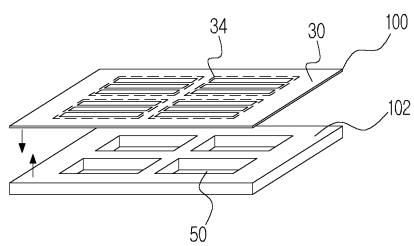
2a



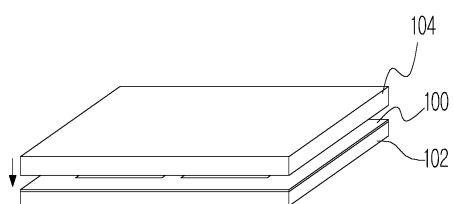
2b



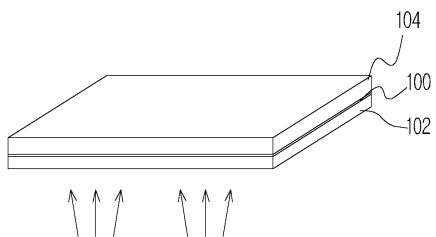
3a



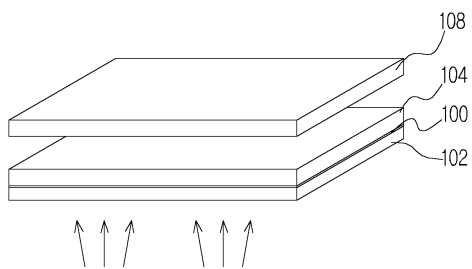
3b



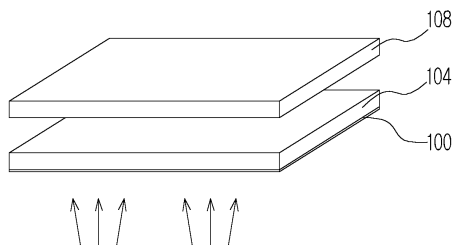
3c



4



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专利名称(译)	使用辅助掩模制造平板显示装置的方法		
公开(公告)号	KR1020030025674A	公开(公告)日	2003-03-29
申请号	KR1020010058835	申请日	2001-09-22
[标]申请(专利权)人(译)	娜我比可隆株式会社		
申请(专利权)人(译)	Neoview的隆有限公司		
当前申请(专利权)人(译)	Neoview的隆有限公司		
[标]发明人	KIM HAEWON		
发明人	KIM, HAEWON		
IPC分类号	H05B33/10		
CPC分类号	H01L51/0011 H01L51/0012 H01L51/0021		
代理人(译)	KIM, YOUNG DONG 李相HUN		
其他公开文献	KR100446467B1		
外部链接	Espacenet		

摘要(译)

本发明提供了平板显示器的制造方法，包括能够配备所支撑的辅助掩模的工艺：将基板布置在荫罩的另一侧面中的工艺：以及通过所述基板沉积在基板上的沉积材料的工艺。荫罩的有效区域至少一部分框架开口部分开口有源区域形成在荫罩的一侧，该荫罩由形成在有源区域和有源区域边缘的框架组成，如本发明所涉及的使用辅助掩模制造平板显示器的方法，该辅助掩模将阴影掩模精确地布置在基板中，并且可以在基板上沉积包括有机发光材料，电极材料等的沉积材料而没有错误。荫罩，辅助掩模，磁场，基板，有源区域，框架，布置。

