

(19)
(12)

(KR)
(A)

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G02F 1/1333

(11)
(43)

10-2004-0058574
2004 07 05

(21)

10-2002-0084895

(22)

2002 12 27

(71)

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(72)

101 208

(74)

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(54)

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가

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- 2 1
- 3 1
- 4 1
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- 6
- 7 6

8 6

9 6

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2,102 : 4,104 :

6,106 : 가 8,108 :

10,110 : 12,112 :

14 : 16,116 :

18 : 19,119 :

22,122 : 24 :

28 : 30,130 :

120 : 124 :

150 : 154 :

가 , (Liquid Crystal Display) , , / 가 , 가 (Back Light) (edge) 가 , 1 (30) , (30) , (4) 가 (4) 가 (30) (6) (4) 가 (Top Case)(8) (Guide Panel)(6) (4) 가 (4) 가 (4a) (4b) , (4a) (R),

(G) (B) , (4b)
 (Active Matrix)
 (Thin Film Transistor)가 .
 가 (4) (4b)
 ackage)가 . (Tape Carrier P
 가 (6) (4) (4)
 2 , (30) (2) , (2) (14) ,
 (2) (12) , (2) (16) , (12) (18)
 (19)가 (2) (18)
 (2) (2b) , (2b) (2a) (2) (2b) (22)
 (2a) , (2) (2b) 가
 가 .
 (18) 가 (12) (19)가
 (12) , (18) (18) (2) (22) (12) (19)
 (2) (18) (19) (12) (22)
) (12) (22) (19) (12) , (19)
 (18) (19) (12) (12) (12)
 (12) , (2) (12) (4) ()
 4)
 (14) (Al) (2) (2) (2b) (24)
 (2) (2a) (2b) (2a) , (2) (14) (2b) (24)
 (24) 1 (14) (24) , (14) (2) (24) 2 (14)
 (12) (14) (2) (24) (4) (4)
 .
 (8) 가 (8)
 (4) 가 (6) 가
 3 , (30) (12) , (12) (12)
 (10) , (12) (16) (Al) (14) , (12)
 (16) (16) ()
 (12) , , 가
 (12) N(N) (10)
 (16) (12) () ,
 (16)
 () (16)
 .
 4 , (12) / ()
 18) (18) (12) (12) (18) (jig)(28)
 (18) (12) (12) (18)
 (Screw)

5a 5e

(2) 5a (2) (2a) (2b)

(2) (2) (2b) (12) (Al) (14) (24) (22)

(18) 5b (28) (12) (12)

5c (2) (12)가 (18)가 (2)

(12)가

5d 가 (6) 가 (6) 5c (18) (12)가

(2)

(30) 가 (Al) (14) (28)가

(30) (30) (12)

가가 가

가

가

가

6 10c

6 130) , (130) (104) , (104) (130) (104) (150) (104) 가 (130) (Top Case)(108)

(104) (104a) (104b) , (104a) (104b) (104b) (R), (G) (B) (Active Matrix) (Thin Film Transistor)가 (104b)

(Tape Carrier Package)가 (104) 가 (104b)

(102) (130) (102) , (102) (154) , (112) , (102) (116)

7 8 (102) , (102) (102b) , (102b) (102a) (102b) (102) (102b) (102a) (122)가

(154) (102) (102b) (102) (102a) (102a) (102b) (102) (102b) (154) (112) (102) (10) (104) (154) (104)

2) (104) (119)가 (102) (150) (112) (150) (120) (104) (124) (104) (124) (130) (150) (124) (104) (150) (104)

(108) (104) (150) 가 (108)

9 (110) , (130) (112) , (112) (116) (116) (154) , (112) (112)

(112) , 가

(112) N(N)

(116) (112) , (116)

(116)

$$10a \quad 10c \quad (130)$$

•

10a (102) (102b) (102a) (102b) .
 (102) (102b) (112) (22) . ,
 (102) (154)가 .

$$10b \quad \text{가} \quad \text{가} \quad (150)$$
$$(120) \quad , \qquad \begin{array}{cc} 10a & (102) \\ 10c & . \end{array} \qquad \begin{array}{cc} (154) & 10b \\ & (150) \end{array}$$

가

가 가
가

가 (AI)

가

(57)

1.

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가

2.

1 ,

3.

1 ,

4.

1,

5.

1 ,

가

6.

5 ,

7.

5 ,

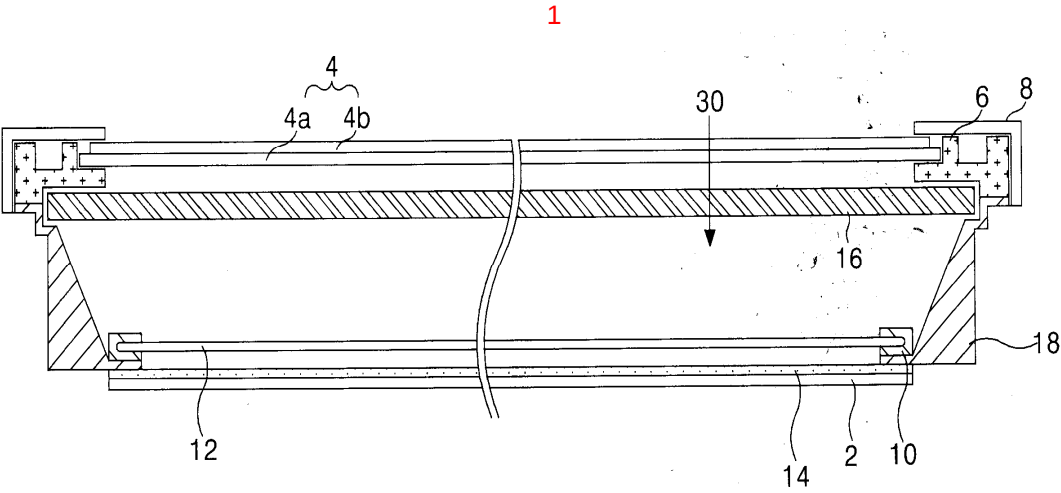
8.

1 ,

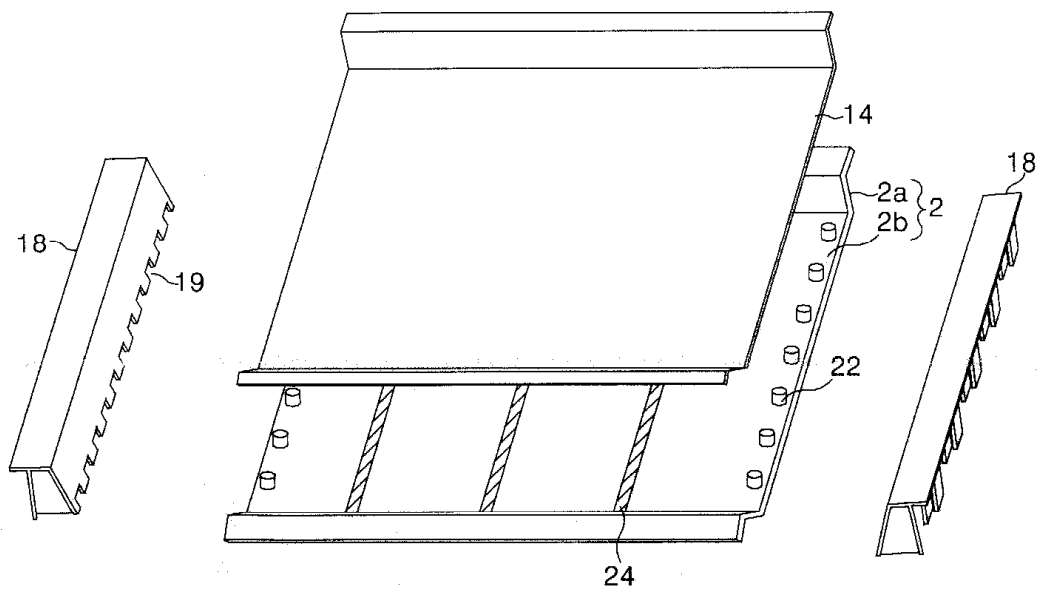
가

9.

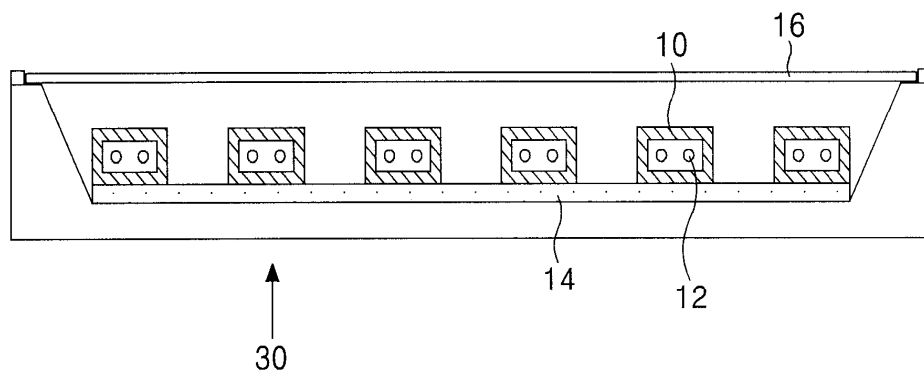
가



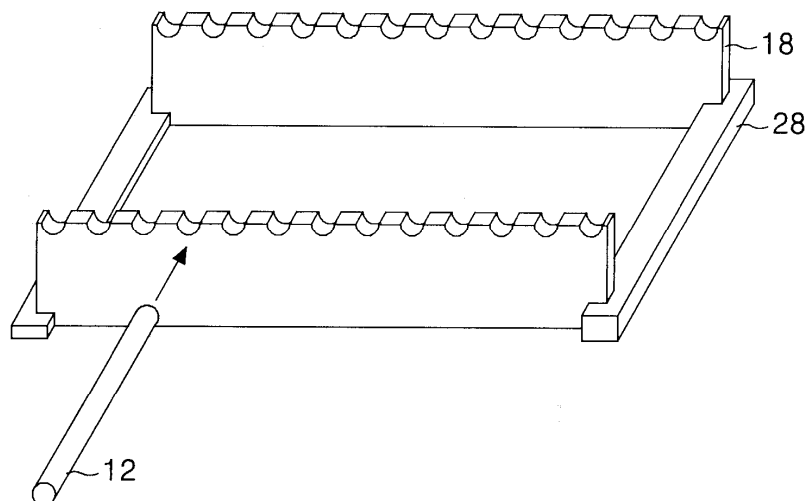
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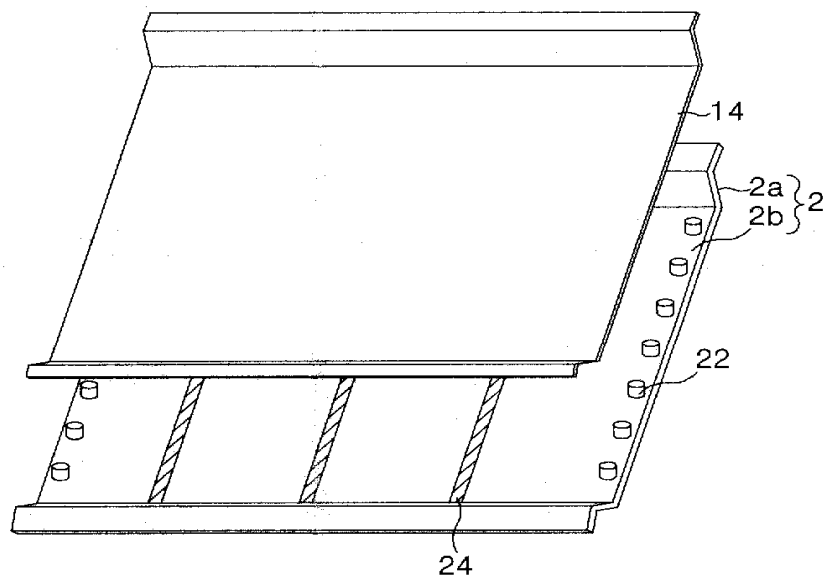
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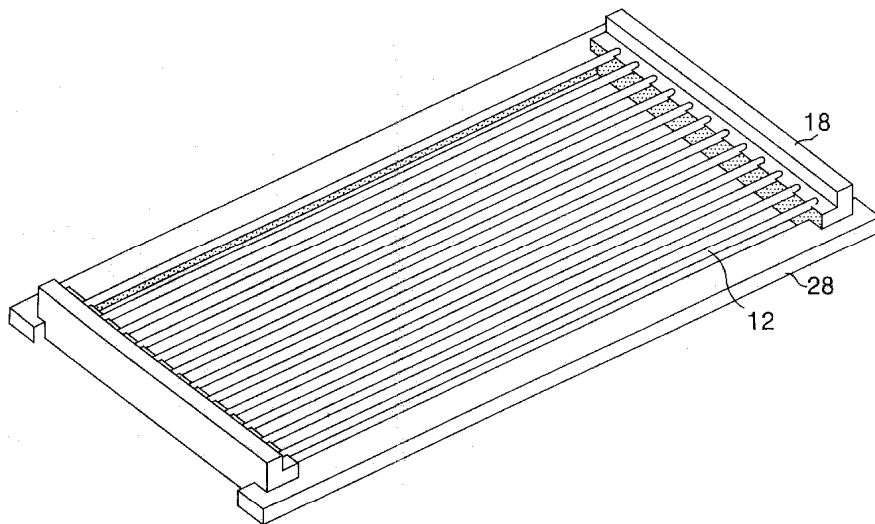
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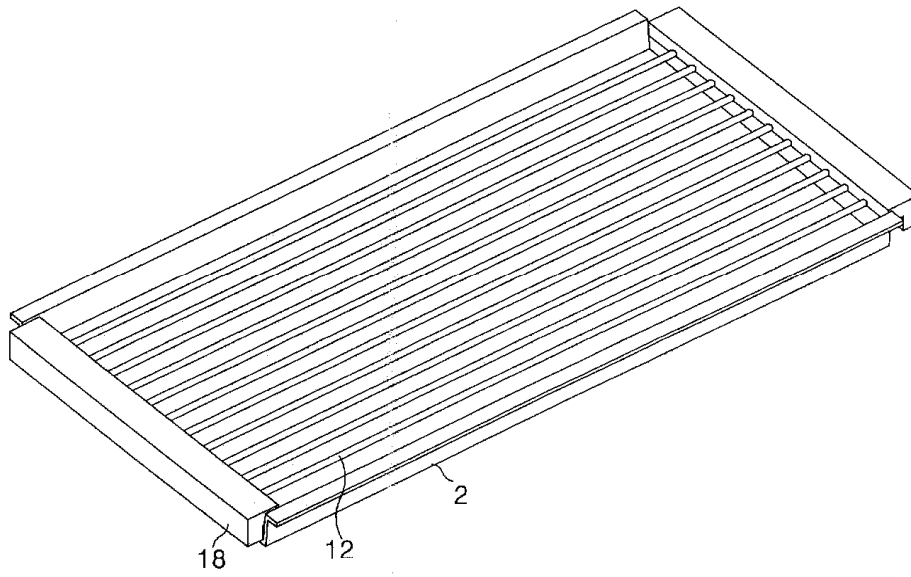
5a



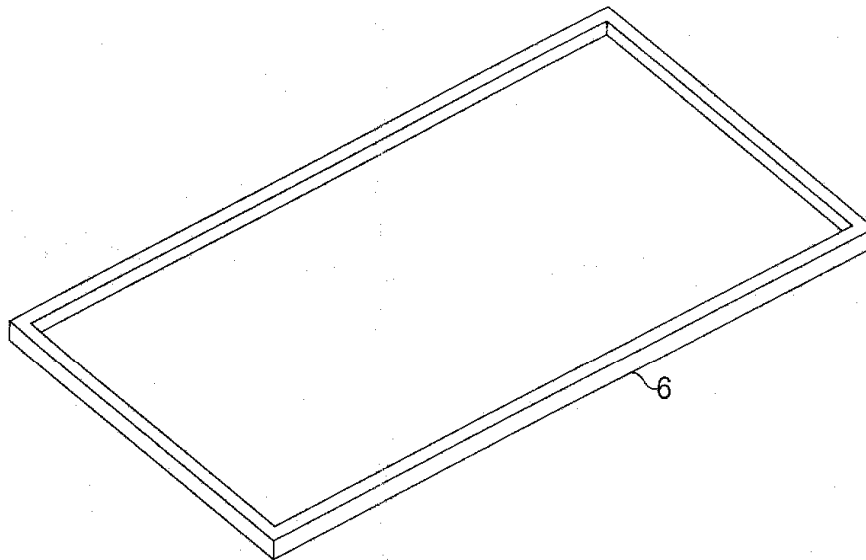
5b



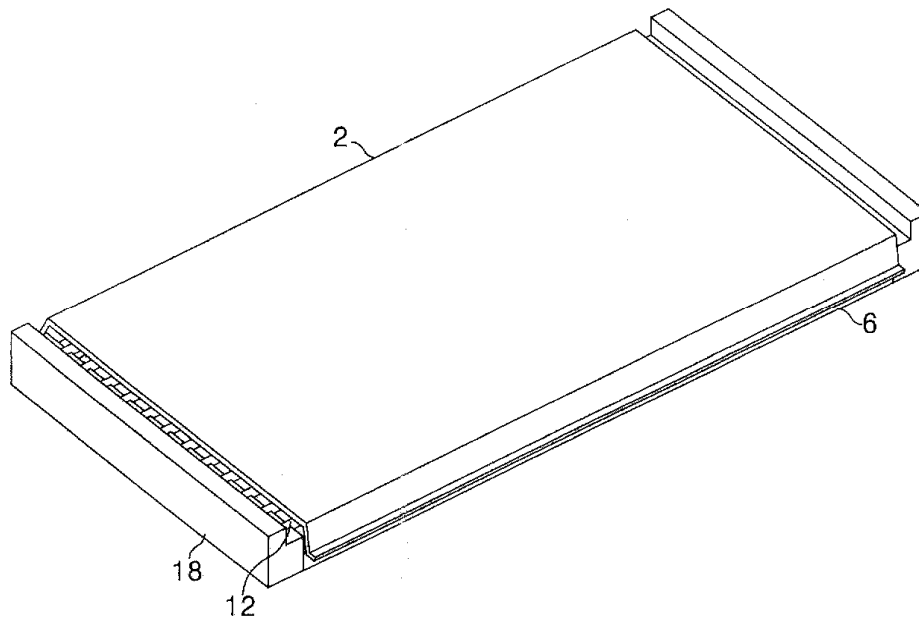
5c



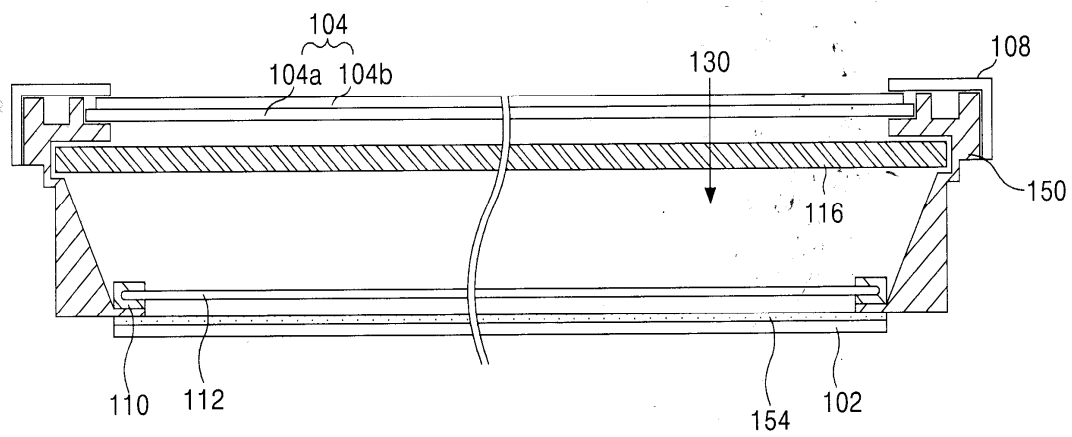
5d



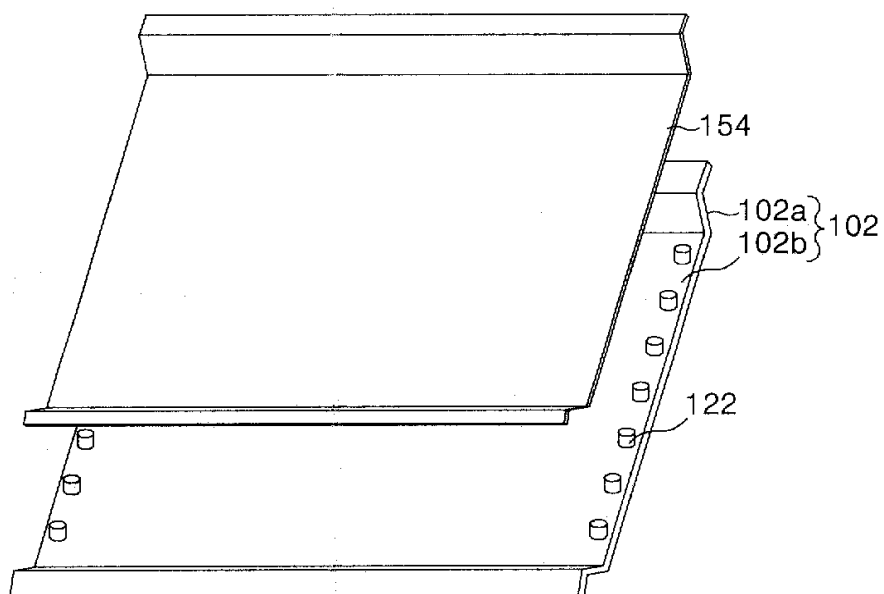
5e



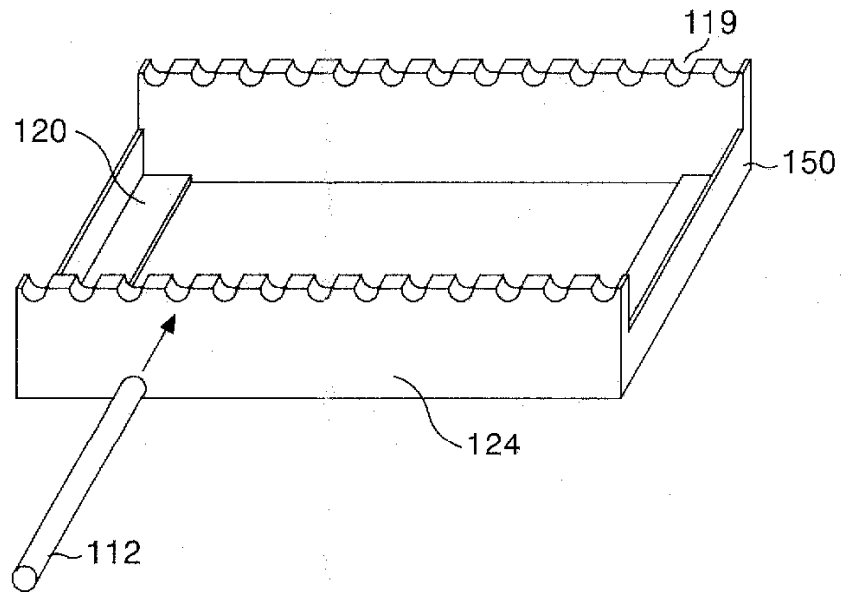
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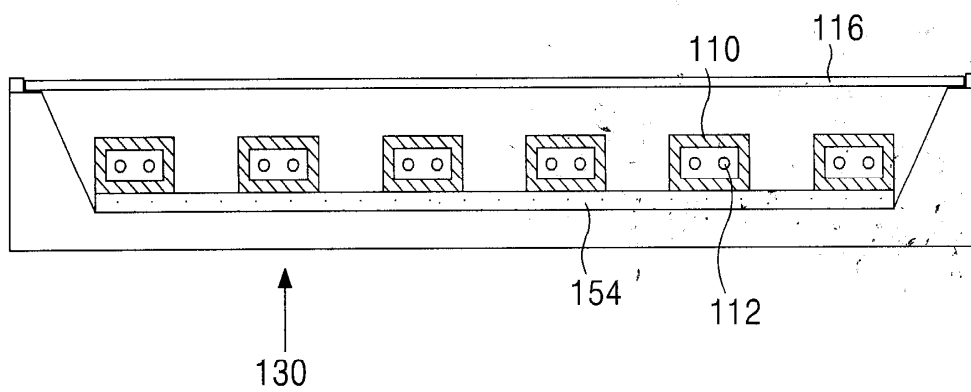
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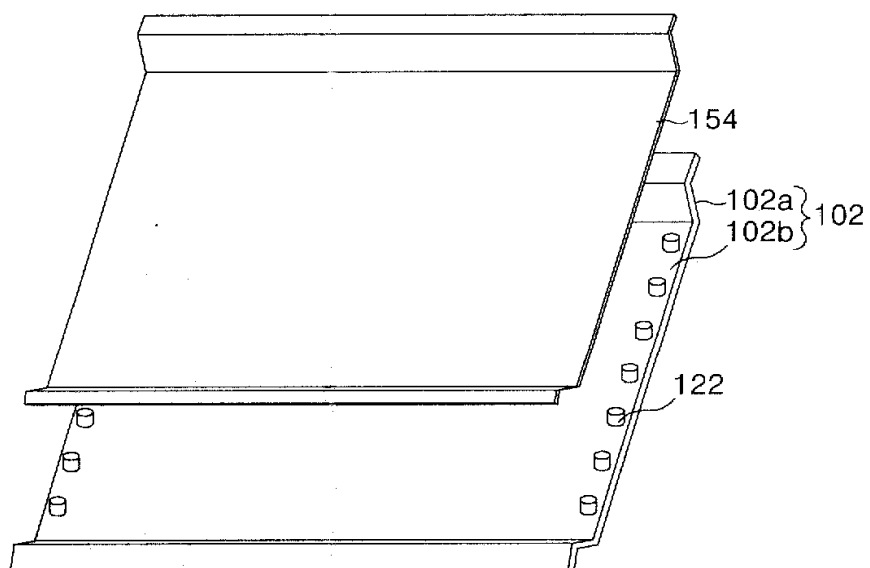
8



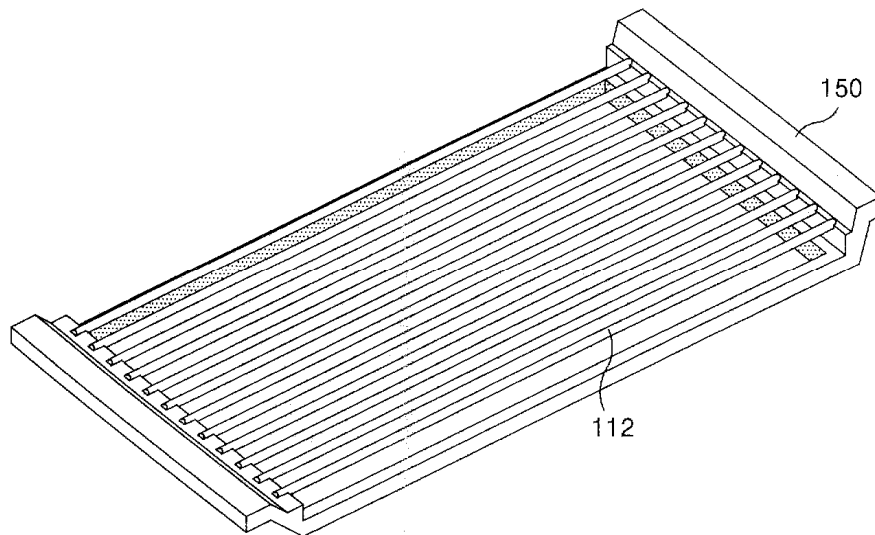
9



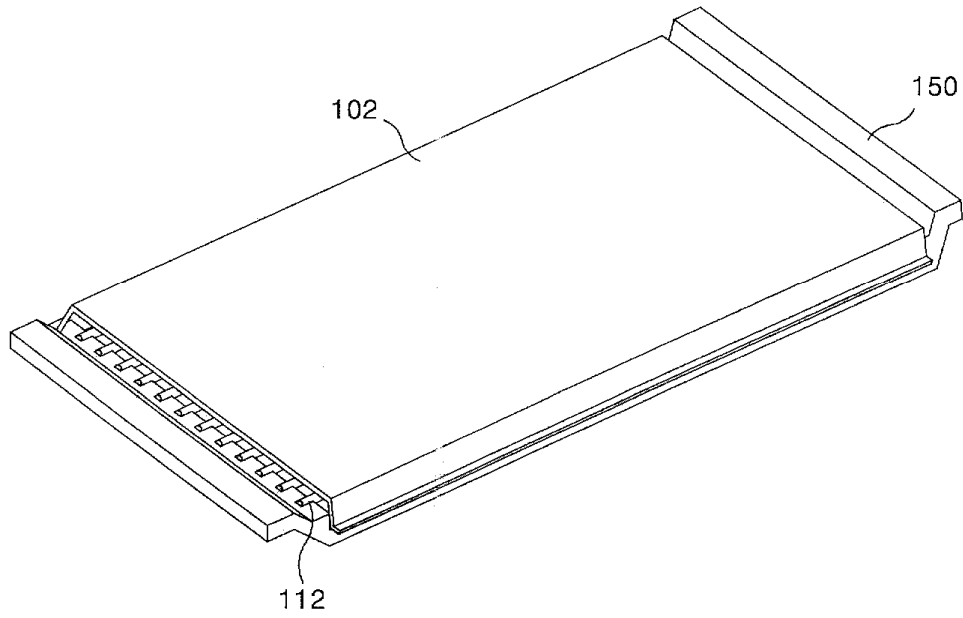
10a



10b



10c



专利名称(译)	液晶显示模块及其组装方法		
公开(公告)号	KR1020040058574A	公开(公告)日	2004-07-05
申请号	KR1020020084895	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	KIM KYOUNGSUB 김경섭		
发明人	김경섭		
IPC分类号	G02F1/13357 G02F1/1333		
CPC分类号	G02F1/133604 G02F1/133608 G02F2001/133317		
其他公开文献	KR100931501B1		
外部链接	Espacenet		

摘要(译)

本发明涉及一种液晶显示模块及其组装方法，改进了应用直下式背光单元的液晶显示模块的组装方法。应用根据本发明的直下式背光单元的液晶显示模块包括液晶面板和底盖，其中安装有多个灯和反射片，用于反射在灯和延伸部中产生的光和支撑主体具有弯曲部分。

