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 (22) 2002 07 26

(71) 416

(72) 474-301

1167 5 523-1405

4 810-2 2 1210

201-2 102-306

(74)

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(54)

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2 1
3 1
4 2
5 2
6 3
7 6
8 4
9 8
10 4
11 TFT

(wrinkle)

(Liquid Crystal Display device, LCD) (Liquid Crystal)

(Cold Cathode Fluorescent Lamp, CCFL) 가

(optical sheet)

heet), 가 가 (diffusion s

(Light Guide Panel, LGP)

(pixel)

가

가

가

가

(wrinkle)

가

가

가

가

가

1

가

가

3

가
가

가

3

1

1

1

1

2
가

2

$$< \quad 1 \quad >$$

1

$$1 \quad , \quad (100)$$

(100)

(100)

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(100)

(100)

가

가

1 , (100) (100) (100), (120)
 (130) 1 , (100) (110), (120)

(110) (100)

(120) (110)

(edge) 가

(110)

, (125) (120) (110) 4 , (120)
 (125) (boss) (110) 가

(100)

(110) 가 , (100) (wrinkle)

(100)

(100)

(120)

(125)

(100) 가

가

가

(130) (100)

2

1

2

(130) 3

가

(132)

(130) (134)

1 (134a)

(134),

2 (134b)

1 (134a)

2 (136)

1

(134)
(134)가
가

가

1

(132)

(120)

(136)

(120)

, 1 (132) 2 (136)

(130) , 2 (136) (120) 1 (132) (100) 가 ,
 (130)

(slide) 가

(125) (125) (130) 1 (120)

3 1

3 , (100) 가 (100) (120) (100) (110)

, (100) (100) (130) 1 (132) 2 (136)

, (130) (134) 1 (132) 2 (136) (100)

, (130) (134) (

< 2 >

4 2

, 1 (100) (130)

4 , 가 (137) 가 가

5 2

5 , (100) 가 (110) (120)

, (100) (137) (100)

(137) (110) 가 (110)

, (137) (137) (130) (

2 (137) 1 (130)

2 , (136) 2 (137) (134) 1 (132)

< 3 >

6 3 7 6

6 7 2 , (700) (200), (300), (400), (100), (500)

1 (200) (220) . (220) (210) (210) (230) .
 (220) 2 (223a, 227a) (223, 227) (230) 2 (223, 227) (223a, 227a)
 (223a, 227a) (223b, 227b) 가
 1 (200) (300) (400) 가
 (400) 1 (410), (420)
 (410) 410 . , , 1
 (410) , , , 1
 (420) (410) 1
 (410) (420) (410)
 (300) 2 (400) . 1
 , (300) 4 (330), (330) (310) (320)
 (300) (410) 1 (310) , 2
 300) (300) (330) 1 가 2 (310) (400) 가 . ((2
 , (300) (310) . 2 (310) (310) (310)
 2 (100) 2 (300) (310) (300) (310)
 (100) 1 . , 3
 (100) 1 (160) 2 (170)
 (160) 2 (300) 1 (310) 3 2
 (170) (300) (160) (310) 3 . 2 3
 (120) (160) (130) (170) (100) (110),
 (200) (120) (125) , (120) 1

, (120) 1 (200) (223a, 227a) (223
 b,227b) .

(130) (120) (134), (134a) 1 (134a) (130) 1 (134a) (130) 1 (132)
 (134) 1 (134a) 2 (134b) (134) 2 (134a) (136) 1 (132)

(130) (100) 가 가

2 , (130) (134) (134)
 가 , 가

1 (132) 2 (500) (120) , 2 (136) (120)

, 4 (137) 가 가

, 2 (500) 1 (200) (400), (300), (100) 가

, 2 (500) 가 1 (200) 2 (500) (136) 2 (500) 7 2

(100) (130) 2 (136) 2 (500) 2 (136) 2 (500) 7

< 4 >

8 4 9 8

8 9 , (1000) (700), (800)
 (900)

4 1 3

10 4 11 TFT

10 11 , (800) TFT (810), (820) (830)

TFT (810) 1 (811), (812) (813)

(812) 1 (811)

(812) (812a), (812b), (812c), (812d)
 (812a) (812e) (812b) (812e) (812a) (812b) (812a)

, (812c) 11 (812) (812a) 11 (814)
 (813)

, (813) (812) (812d) (813)
 (Indium Tin Oxide, ITO) (Indium Zinc Oxide, IZO)

(57)

1.

1 ;

1

$$1 \quad , \quad 1$$

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1 가 1

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2 가

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1 , 2
2

6.

1 , 가

7.

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8.

6 ,

9.

1 ; 1 2
1 ; 2 1 , 2 ;
1 , 2 ; 2 ;
가 ; 2 ; 3 ; 2 ;
2 , 2 ; 2 ; 3 ; 2 ;
가 ;

10.

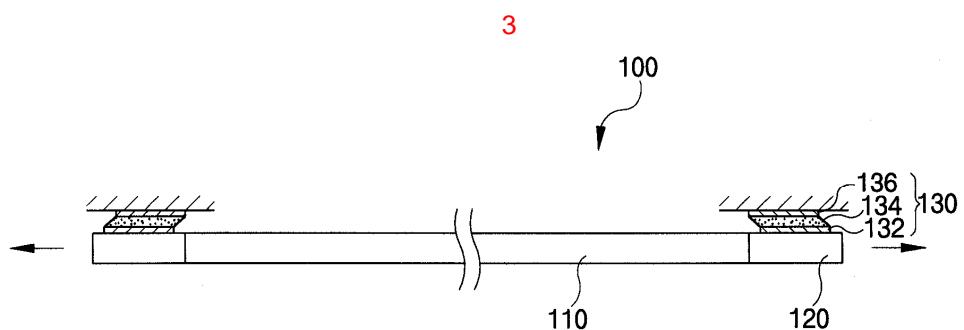
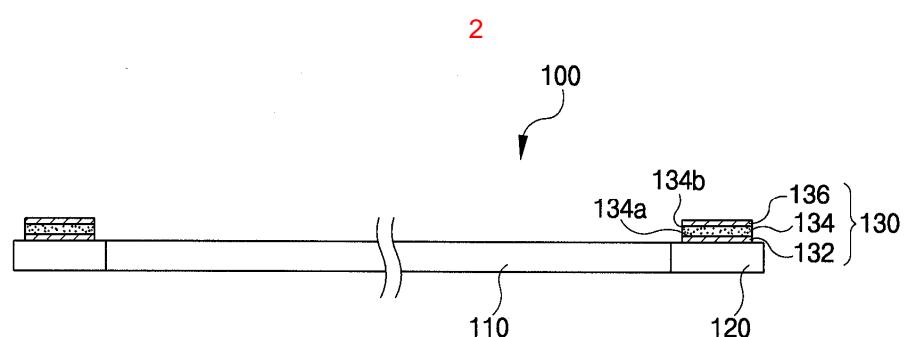
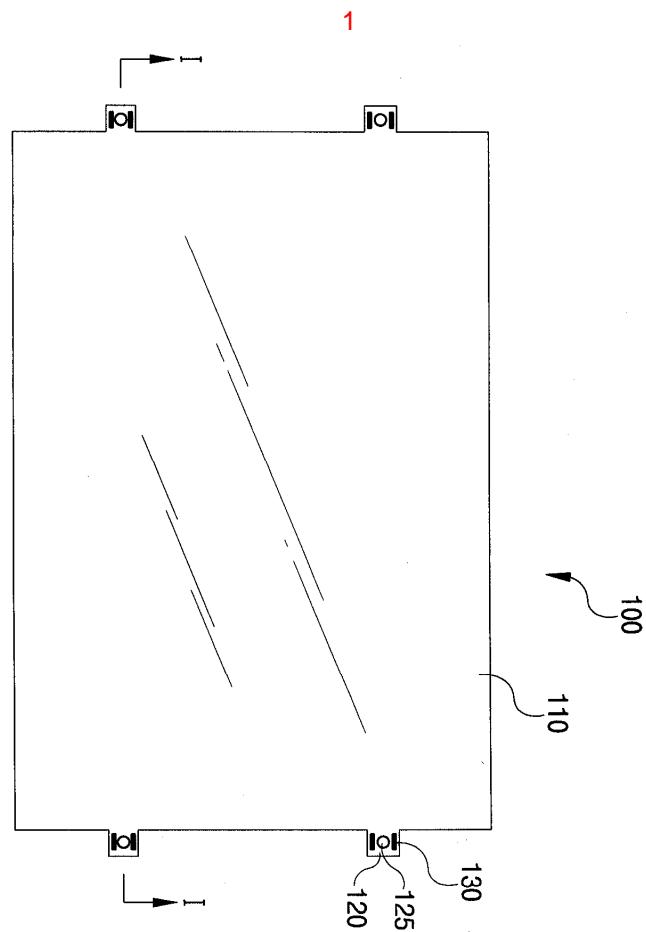
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11.

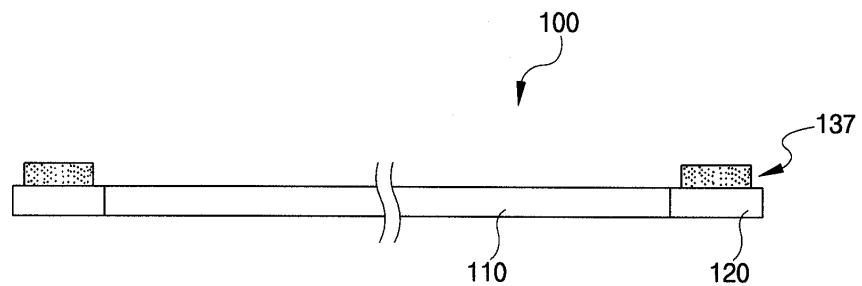
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12.

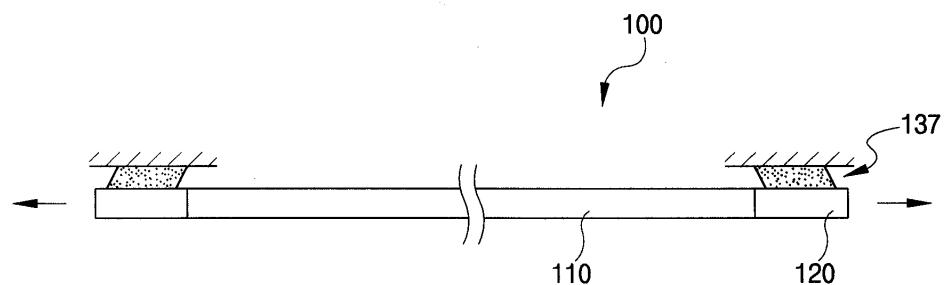
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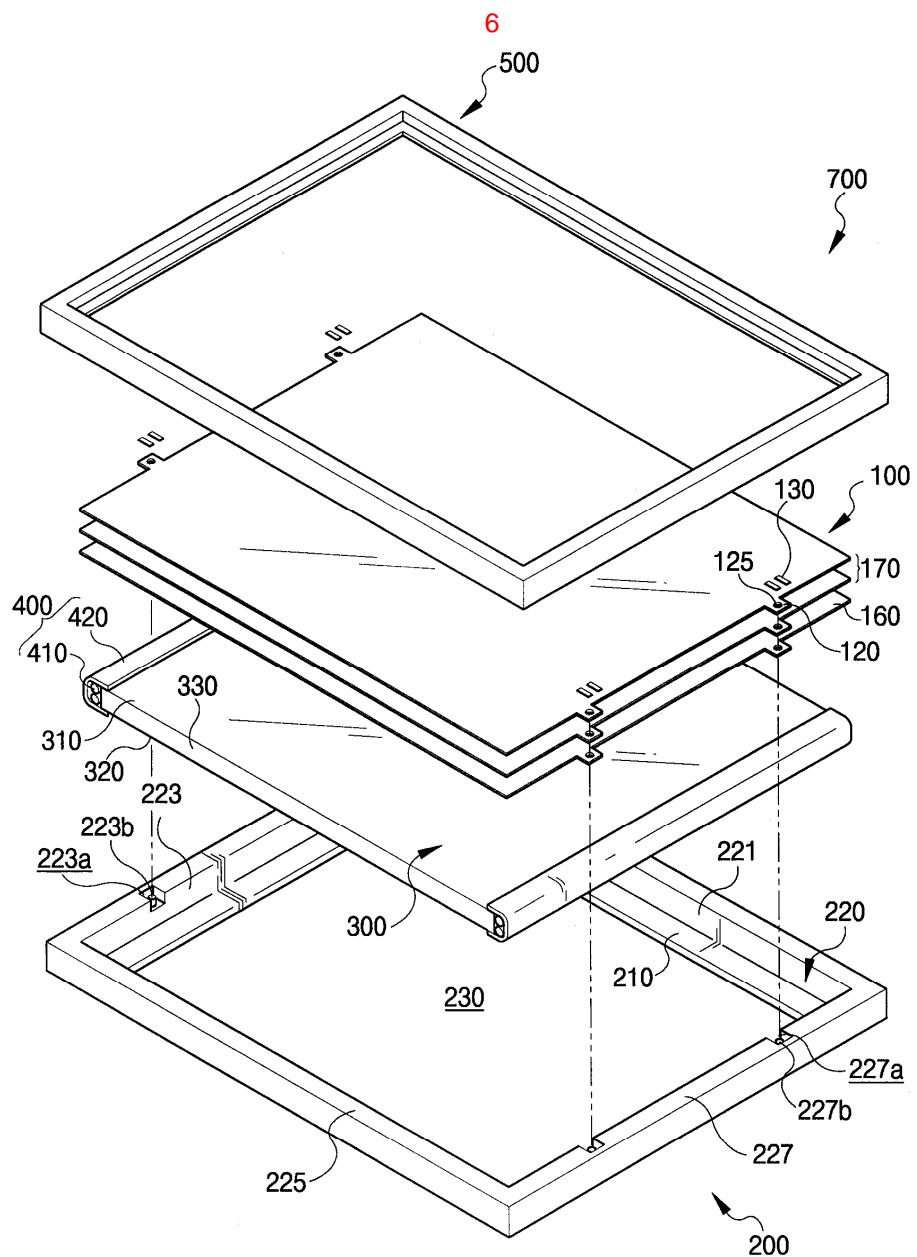


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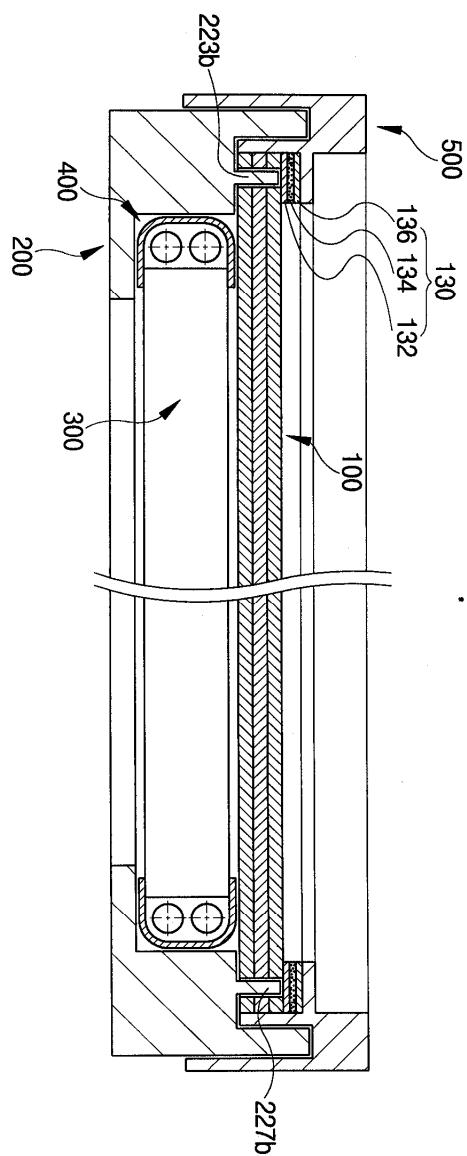


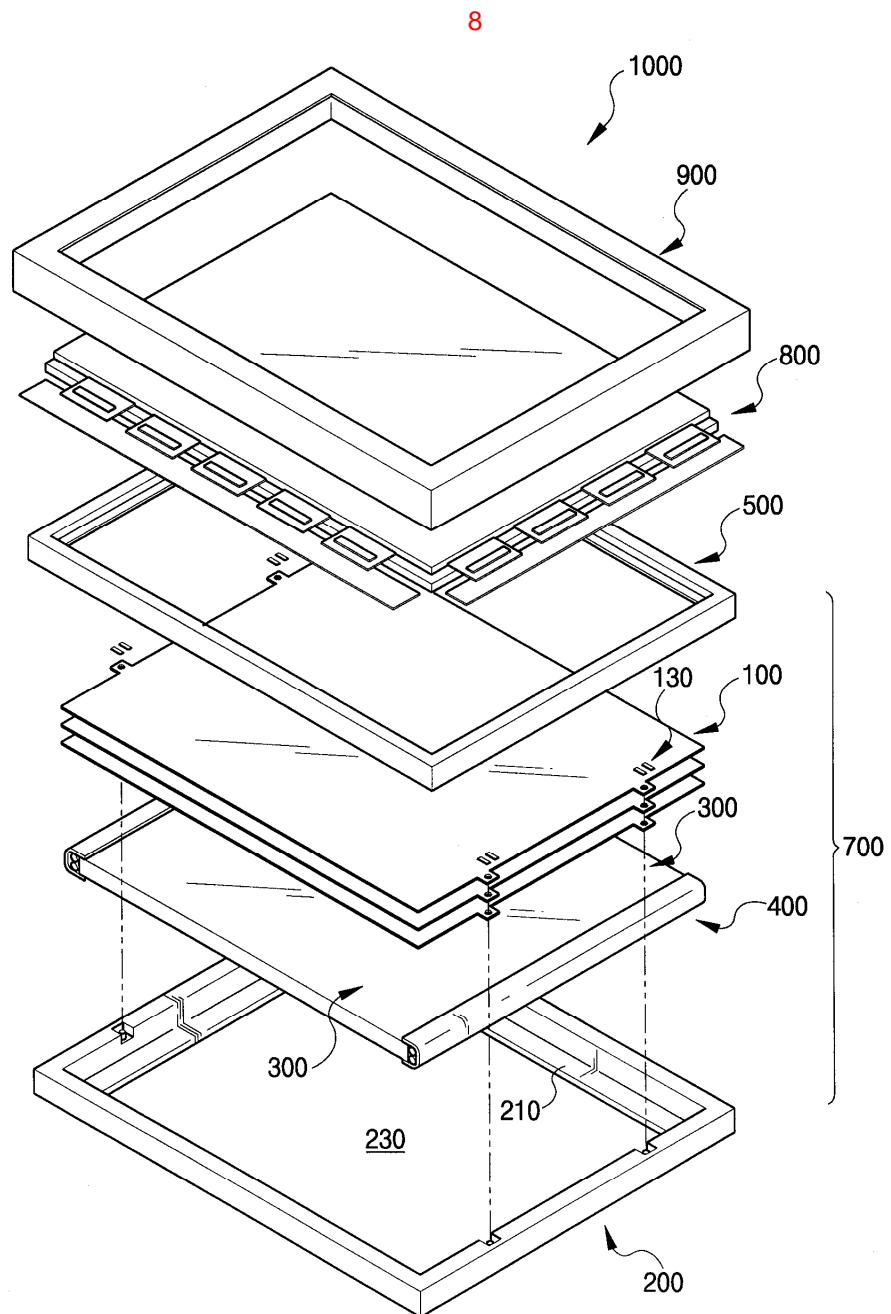
5

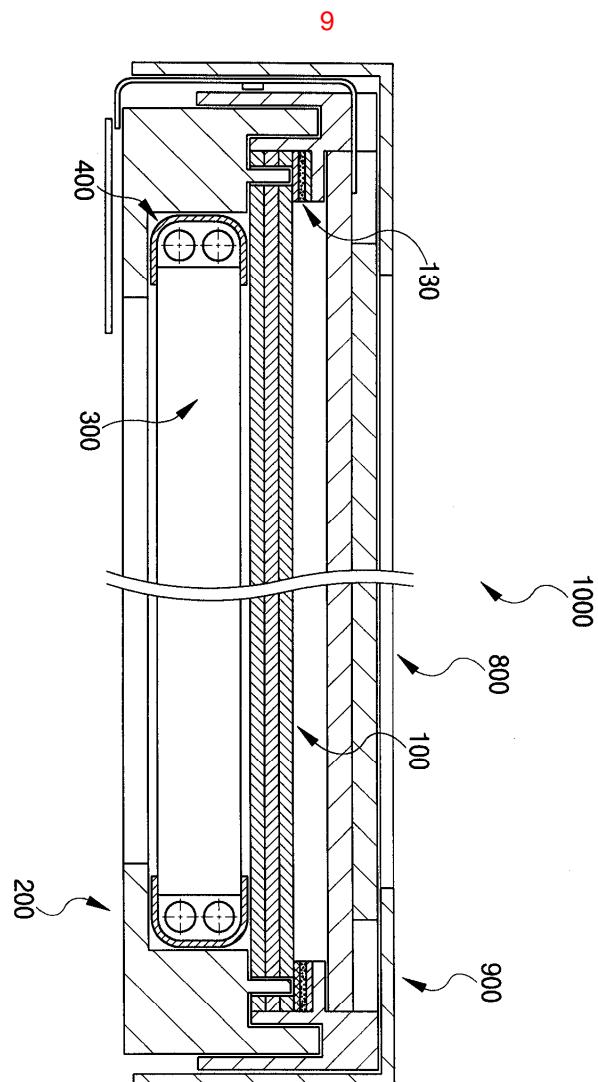


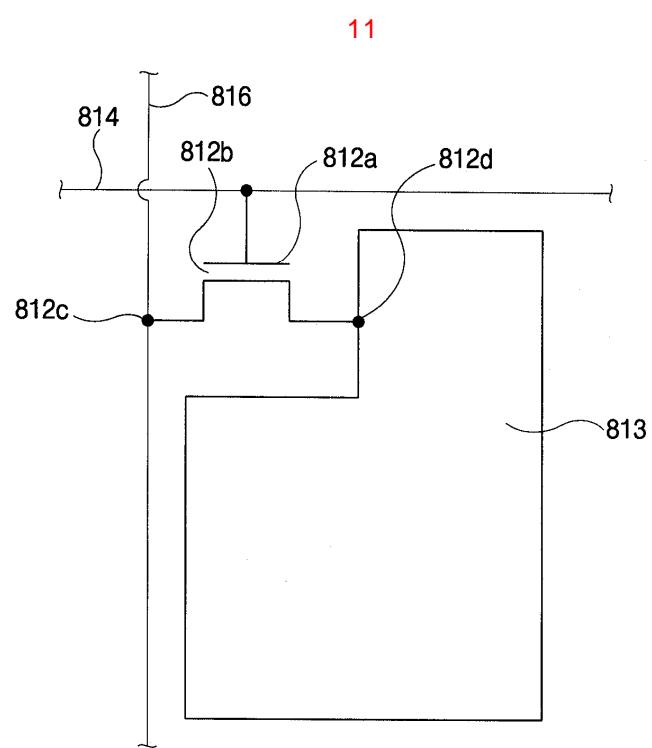
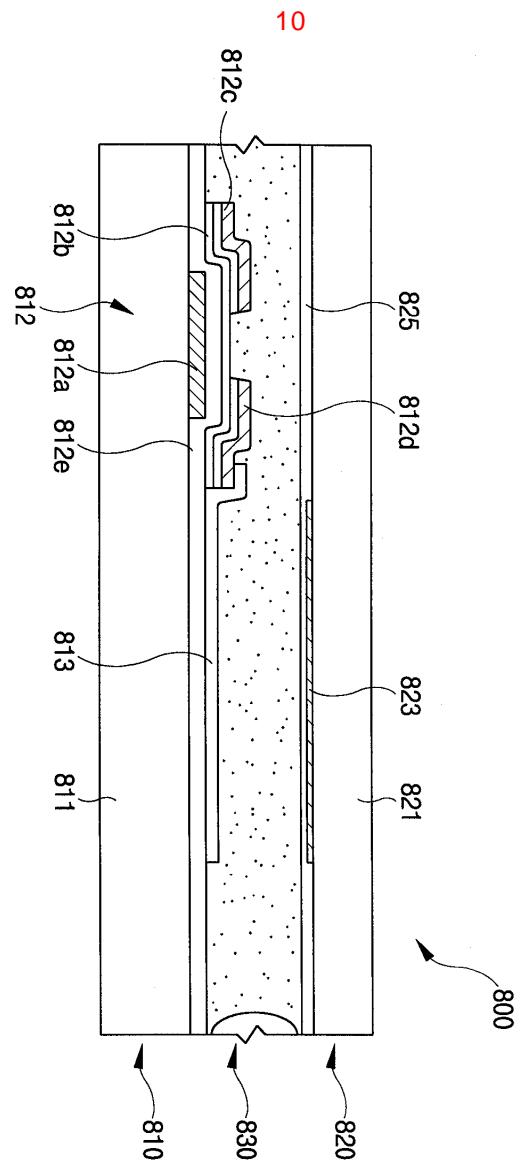


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|----------------|--|---------|------------|
| 专利名称(译) | 背光组件和液晶显示器 | | |
| 公开(公告)号 | KR1020040009902A | 公开(公告)日 | 2004-01-31 |
| 申请号 | KR1020020044272 | 申请日 | 2002-07-26 |
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| CPC分类号 | G02F2201/503 G02F1/133606 G02F1/133615 G02B6/0088 G02F2201/54 | | |
| 代理人(译) | PARK , YOUNG WOO | | |
| 外部链接 | Espacenet | | |

摘要(译)

公开了一种背光组件和使用该背光组件的液晶显示器。背光组件和液晶显示装置被配置为固定光学片并且通过使光学片变形来防止外部振动，以便提高由于热膨胀导致的光学片的利用效率和光学特性。吸收成员。因此，由于在光学片和液晶显示板中发生划痕而导致的显示质量的劣化可以与根据从外部施加的片材和振动的显示质量的劣化同时解决。2 指数方面 液晶显示面板，光学片

