

(19)  
(12)(KR)  
(A)(51) 。 Int. Cl. <sup>7</sup>  
G02F 1/13357(11)  
(43)2002 - 0075588  
2002 10 05(21) 10 - 2001 - 0015670  
(22) 2001 03 26

(71) 3 416

(72) 102 306

2 1 108 410

4 810 - 2 2 1210

(74)

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(54)

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3 2 가 ;

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8 9 6 ;

10 6 ;

11 6 ;

12 13 6 ;

14 6 가 ;

15 16 4 ;

17 16 ;

18a 18e 가 .

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210 : 224 :

221a, 221b : 222a, 222b :

226 : 228 :

330 : 400 :

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(900) 가 가 (700)

(700) ( ) (700)

(710)

(710) (712), (714), (717),

(716) (718)

(712) (712a) (712b) ( )

(712a) 가

(ITO)

(712a) (712b) (712b)

RGB 가

ITO

(712a) 가 - 가

가

(712)

가 가 (714) (712)

가 가 (717) (714) (712)

가

(712)

(710) (710) (710) (712)

(720)가 (720) (721) (721)

(722)

(724) (710) (712) (712)

(721)

(710)

(724) (724) (712) (724)  
 (726) , (724) (724)  
 (724) (728) .  
 (710) (720) (820) ,  
 (710) (714) (717) (  
 820) (820) (710)  
 (740)가 .  
 2 , (724) (721)가 (724)  
 , (724) (721) 3  
 , (721) (724) (724a) (724b) .  
 (724) (724a) (724a) (710) ,  
 (724) (724b) , (724a) .  
 , (724b) (724) (724b) ( )  
 , (724b) (724) (710) , (724)  
 (724b) (728) (710) , (724)  
 (820) (710) (724)  
 가 (724) , (710) (724) 가  
 , (724) 가 ,  
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1.2 1.8

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가

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(200) (100) 가 가 (200)

(200) (210)

(210) (212), (214), (216),  
(217) (218)

(212) (212a) (212b) ( )

(212a) 가

(ITO)

가

가

(212a)

RGB 가

(212b)

(212b)  
(212b)

ITO

(212a)

가

가  
(212a)

(214b)

가

가

(212)

가

, (212) 가  
(216)가 , 가  
(218)가 .

(212) 가  
(214) (217) (212)  
(216) (218) .  
(214) ( 가 ) 가  
(212) 가 (217)  
( 가 ) 가 (212)  
가 .

, (214) (217)  
, 가 ,  
(218) (212) 가 ,  
(216) (212) 가 .

(210) (210)  
(220)가 1 2 (221a, 221b) 1 2 (222a, 222b) 1 2 (221a, 221b) .  
(220) , .

(224) (210) (212) (212)  
1 2 (221a, 221b) (210)  
4 , (224) 가 , 1 2 (221a, 2  
21b) (224) .

, (224) 1 2 (221a, 332b)  
, (obtuse angle) .  
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, (224) (224) (212)  
24) (226) , (224) (228) (2  
(224) .

(710) (720) (820) ,  
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820) (820) (710)  
(740)가 .

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5 6 , (224) 1 2 (221a, 221b) 1  
2 (224a, 224b) (224) .  
, 1 2 (221a, 221b) (224) .

가 , 1 2 (221a, 221b) , 1 2 (221a, 221b)  
 (224) 1 2 (224a, 224b) 1 2 (222a, 222b)  
 1 2 (224a, 224b) 1 2 (222a, 222b) 1 2  
 (224a, 224b) 1 2 (222a, 222b)  
 , 1 2 (221a, 221b) (224) (221a, 221b)  
 224) 1 2 (222a, 222b) (224) 1 2 (221a, 221b)

7 6

7 , (224) (228) , (224)  
 (226)가 (228) (224)  
 (224) , (226) (224)  
 , (226)가 (224)  
 , (226)가 (224)

(228) (226) , (224) 1 2 (224a, 224b)  
 (224) 7 11

7 6 , 8 9  
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 , 11 6

, (224) (224)

7b) , 1 2 (224a, 224b) (228), (226a) (224)  
 8 9 (228a, 228b, 226b, 226c, 227a, 22

, (224) 1 2 (221a, 221b) (225a, 225b, 225c)  
 (210) 10

(225a, 225b, 225c) (224)  
 , (224) 1 2 (224a, 224b) 가 (225b, 225c)  
 (225a, 225b, 225c)

, (224) 가 (224) (224)  
 1 2 (224a, 224b) 1 2 (224a, 22  
 4b) (226a), (228) (224)  
 8 9, 11 (226b, 226c, 228a, 228b, 227a, 227b)

(224) (225a, 225b, 225c) (224)

(210) 1 2 (224a, 224b) 가 (210) (224)

(224a, 224b) (225b, 225b) (224) (224) 1 2 (224a)

가 (224) 가

(224) (224)

(224) (224) 1 (221a) 1 (221a) 1 (2

24a) (224)

10 (224) (227a, 227b) (

224) 1 2 (224a, 224b) 10 가 1 2 (221a, 221b) (224)

(227a, 227b) (224)

12 (224) 1 2 (224a, 224b) (L) 1 2 (2

21a, 221b) (r) 1.2 1.8 1 2 (224a, 22

4b) (L) 1 2 (221a, 221b) 1.2 1.8:1 , 1

2 (221a, 221b) 1 2 (224a, 224b)

1 2 (224a, 224b) 1 2 (224a, 224b) (CP)

(224) 가 , 1 2 (224a, 224b) 가 ,

(224) (Lt) 1 2 (221a, 221b) (r) 1:1

가 ,

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8 11 , 가 ,

1.2 1.8 ,

14 6 가 , 7

14 , (224) 1 3 (221a, 223a), 2 4 (221



b, 223b)가 . (224) 1 2 (224a, 224b) 6  
 , 1 3 (221a, 223a), 2 4 (221b, 223b) 1  
 2 (222a, 222b) 1 2 (224a, 224b) . ,  
 (224) (228), (224)  
 (226a), (224) 8 11  
 , (224) 1 2 (224a, 224b) 1 4 (221a, 221b, 22  
 3a, 223b) 1.2 1.8 .

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15 4 , 16 15  
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15 16 , (224) 1 2 (224a, 224b) (2  
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1 2 (221a, 221b) , 1 2 (221a, 221b)  
 (224) 3 4 (223a, 223b) 1 2 (224a, 22  
 4b) . , 3 4 (223a, 223b) ,  
 1 2 (221a, 221b) (224)

16 , (224) (228) , (224)  
 (226a)가 . (228) (226a) (224)  
 1 2 (224a, 224b) (224) 8  
 9 , (228) (226a)  
 (228a, 228b, 226b, 226c) 7 9 .

, (224) 1 2 (221a, 221b)  
 (210) 9 (225a, 225b, 225c) 10 1 2 (224a, 224  
 b) . (225a, 225b, 225c) 10 1 2 (224a, 224

, (224) (227a, 227b) 11  
 (224) 1 2 (224a, 224b) , (224a, 224b)  
 224) (227a, 227b) 10 가 1 2 (221a, 221b)  
 (224) (226) .

17 , (224) 1 2 (224a, 224b) (L) 1 2 (2  
 21a, 221b) (r) 1.2 1.8 . , (224) 가  
 , 1 2 (224a, 224b) 가 , (224) (Lt) 1  
 2 (221a, 221b) (r) 1:1 .

1, “Ⅱ” 1 “Ⅰ” 6  
 “Ⅲ” 13

[ 1]

	Ⅰ	Ⅱ	Ⅲ
( $\text{Im}/m_2$ )	4133.11	5061.01	6010.9
	100%	122.45%	145.43%

1, “Ⅱ” , “Ⅰ” 22.45%  
 “Ⅲ” ,

18a 18e 가

18a 18b 가  
 , 18c  
 18a 18c , 18d  
 가 1 18e ,

가

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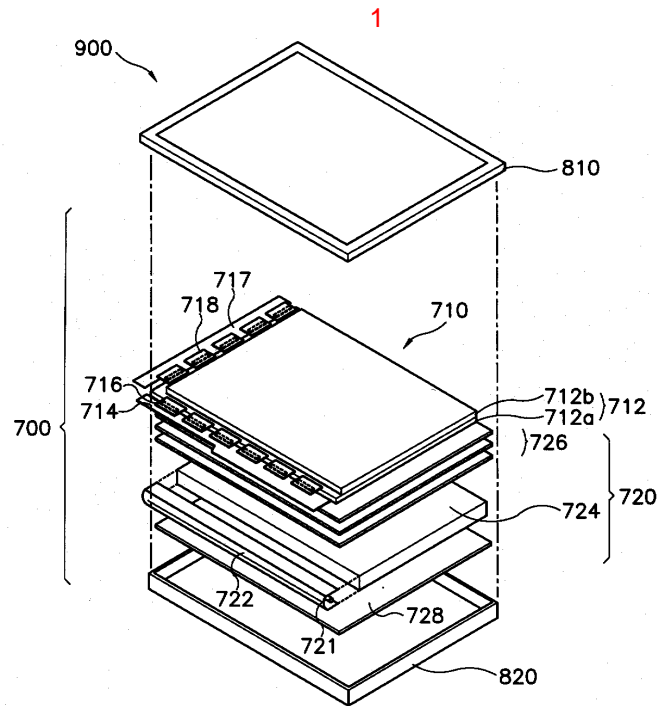
24 25 ,  
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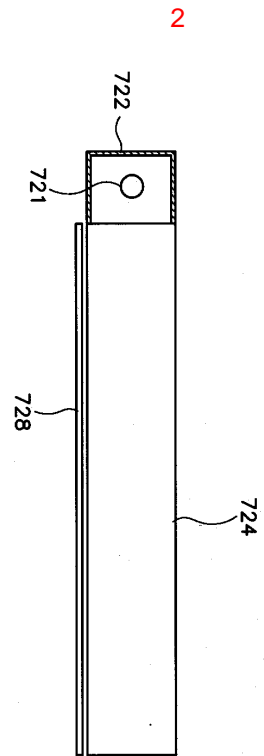
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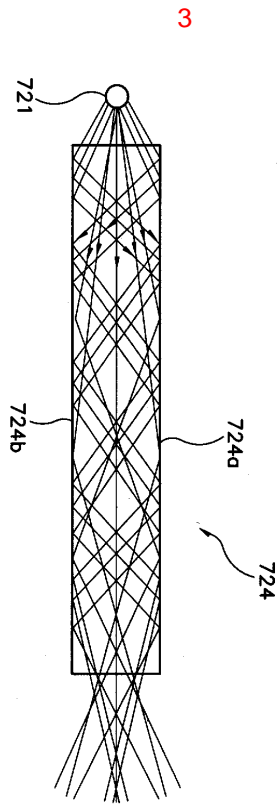
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가

28.

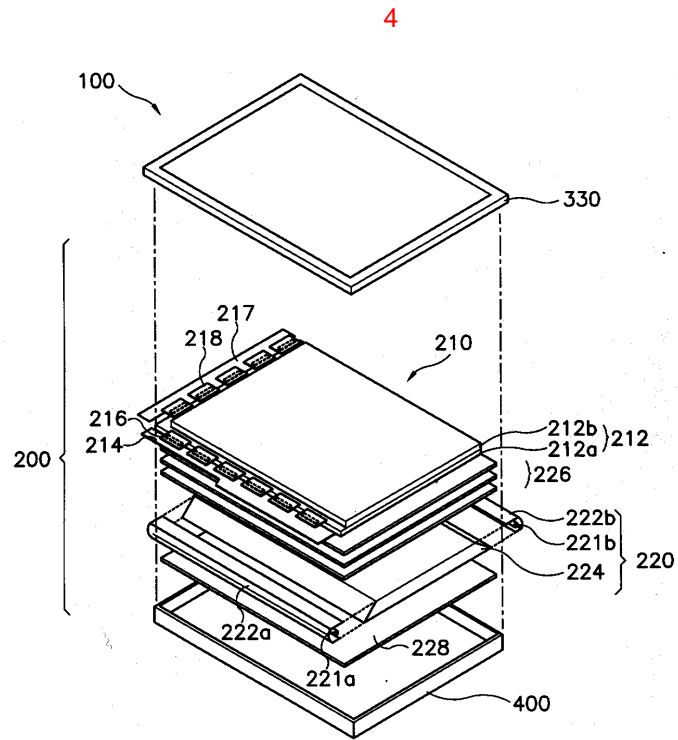
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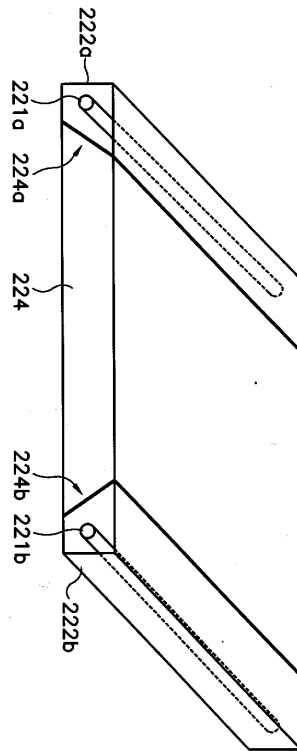




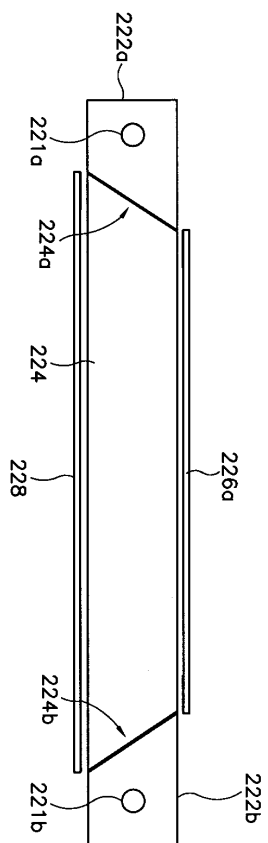




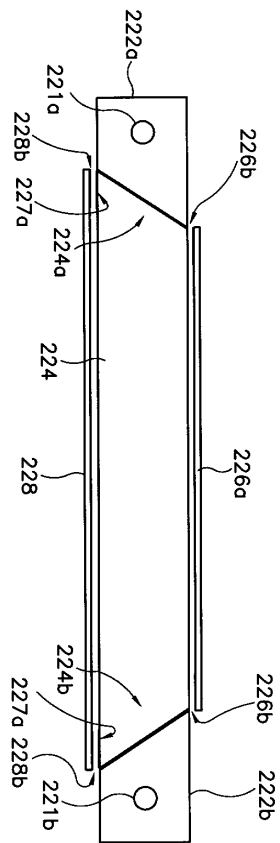
5



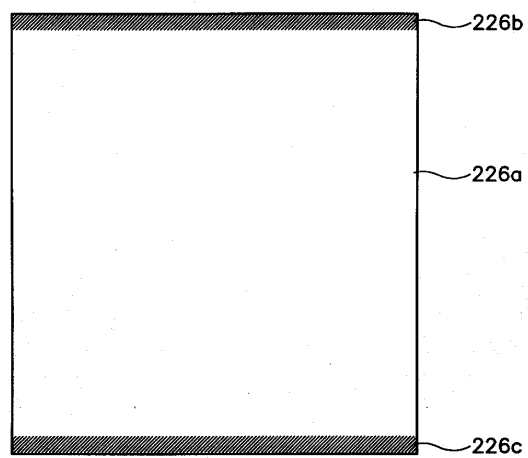
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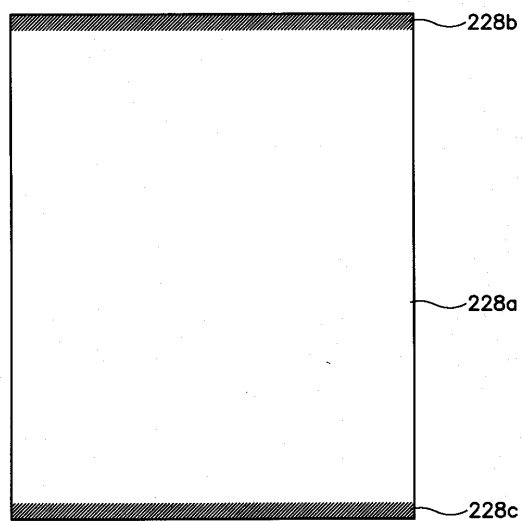
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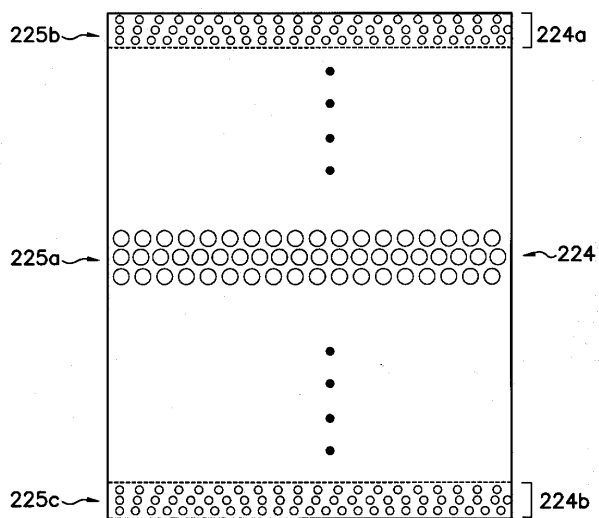
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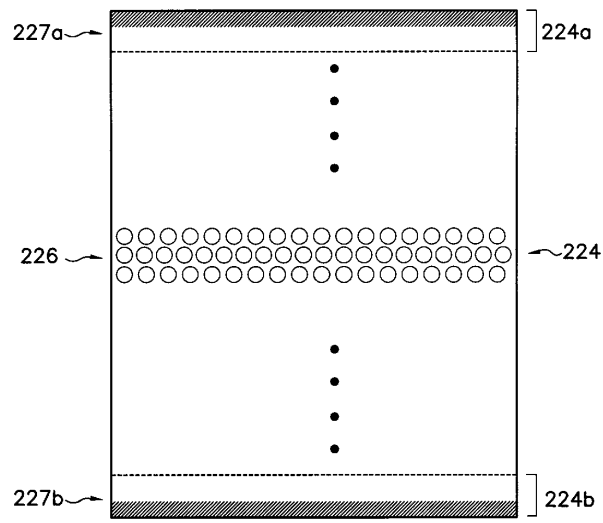
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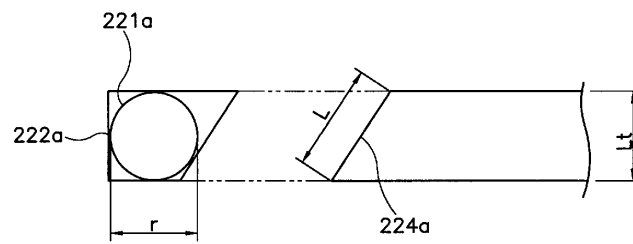
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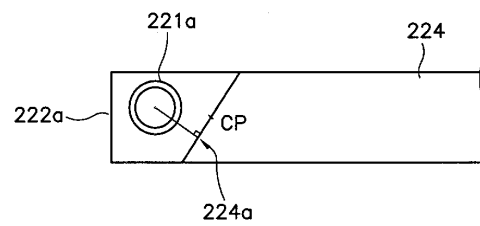
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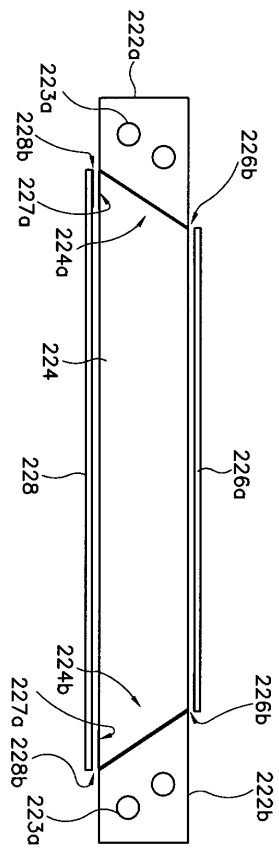
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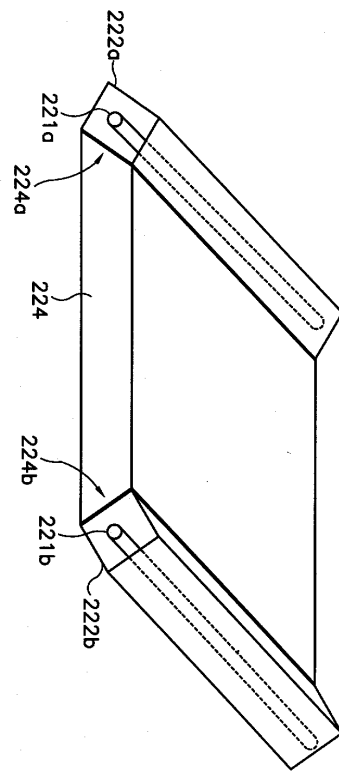
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14

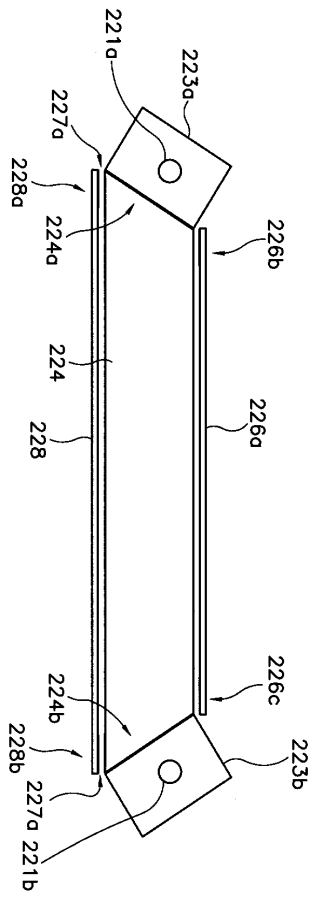


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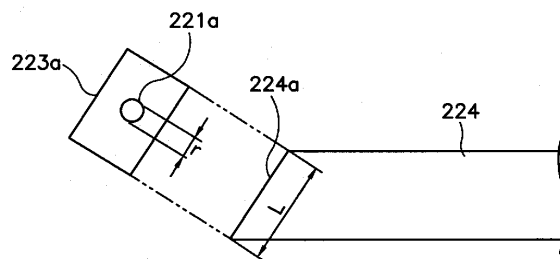




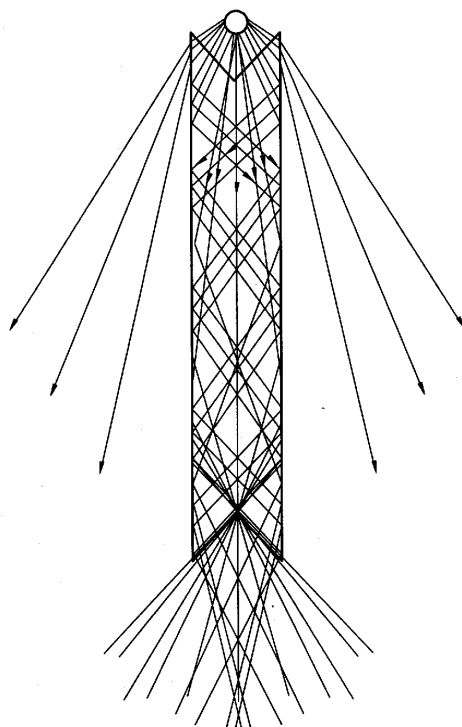
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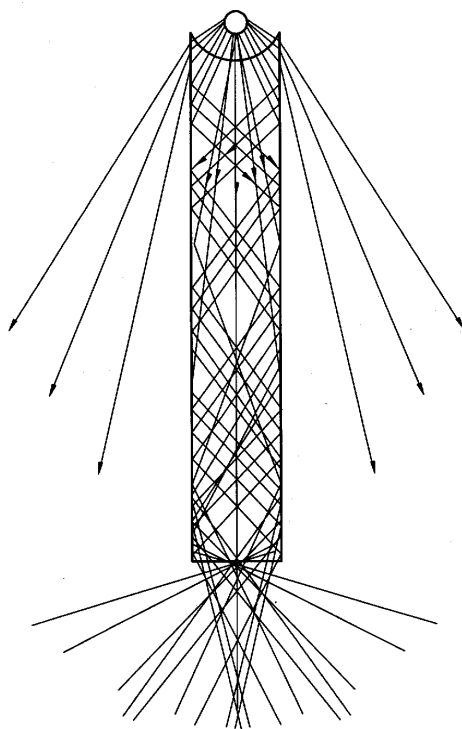
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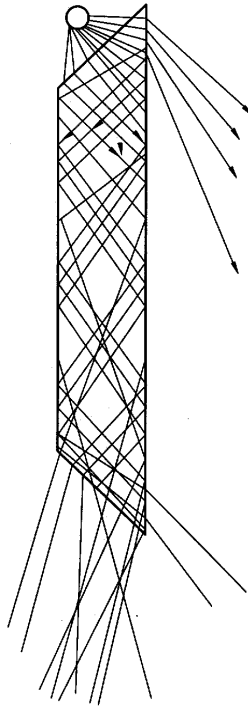
18a



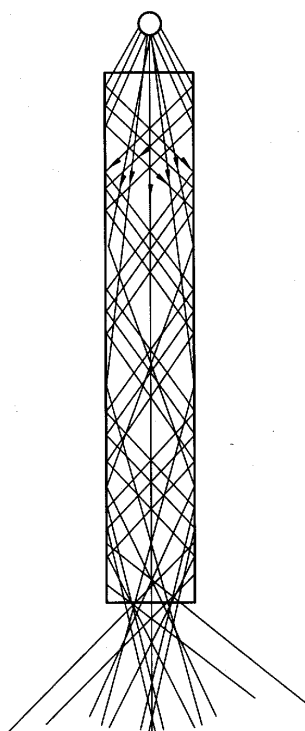
18b



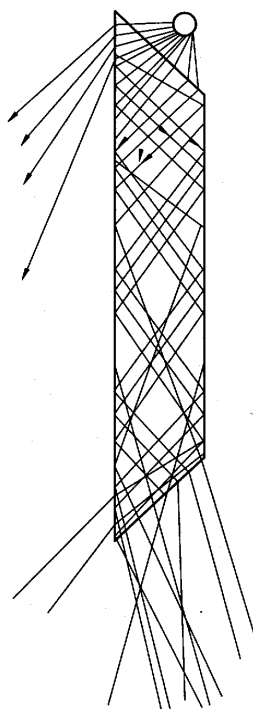
18c



18d



18e



专利名称(译)	背光组件和具有该背光组件的液晶显示装置		
公开(公告)号	<a href="#">KR1020020075588A</a>	公开(公告)日	2002-10-05
申请号	KR1020010015670	申请日	2001-03-26
[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
当前申请(专利权)人(译)	三星电子有限公司		
[标]发明人	CHA GUYHO 차규호 KANG SUNGYONG 강성용 CHANG SEIN 장세인		
发明人	차규호 강성용 장세인		
IPC分类号	G02F1/1335 F21V8/00 G02B6/00 G09F9/00 G02F1/13357 F21Y103/00		
CPC分类号	G02B6/0068 G02B6/0043 G02B6/0013 G02B6/0055		
代理人(译)	PARK , YOUNG WOO		
其他公开文献	KR100769922B1		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

公开了一种能够通过改变导光板的结构使光入射效率最大化的背光组件和具有该背光组件的液晶显示装置。来自灯的光入射的导光板的光入射表面倾斜，以便与显示单元侧的光出射表面和设置为面对导光板的光入射表面的灯罩的开口表面形成钝角，形成为具有与平面相同的倾斜角。另外，用于吸收从导光板泄漏的光的吸收层分别形成在反射板和光学片的两端，设置在导光板的上表面和下表面上。因此，可以在不直接增加导光板的厚度的情况下提高光入射效率，并且可以有效地去除积聚在导光板的光入射表面的角落中的光。

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