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1 , (100) (110), 1 (120), 2 (130) (140)

(150)가 (100) 1 (120), 2 (130), (140) (110)

(110) (110) 1 1 가 (110)

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2 3 , 1 (120) , 1 (120)

0) 20) 4 1 (110) 4 1 (160) (first light inputted surface;121) , (110) 1 (160)

(110) 1 (160) 1 (121) , 1 (160) 1 (121) 1 (121) 2 (121)

0) 162) (first light reflective surface;123) 2 (162) 1 (first light outputted surface)

, 1 (123) 1 (123a) 2 (123b) 1 (123)

1 1 (W) 1 (L₁)

1 (123a) 1 (121) 1 (121) 1 W 1 (L₁)

2 (123b) 1 (123a) 1 (L₂) 3 (L₃) 2 (123a) 1 (L₁)

(123a) 2 (L₂)

, 1 (123a) 2 (123b) (123c) , (123c)

1 1 (L₁) 2 (L₂) 3 (L₃)

, (123c) 1 (123a) 2 (123a) (bright line)

(123) 1 (120)

1 (125) 1 (123) 1 (123a) 2 (123b) 2 (123b) 2 (125) 3 (164)

162) 1 (125) 1 (123) 1 (123a) 2 (123b) 1 (125) 2 (123a) 2 (125) 2 (T₁) , 1 (125) 2 (123a) 2 (T₂)

2 (T₂) 1 (T₁)
 3 1 -
 3 1 , 2 (130) 1 (120) 2 (130) 1 (1
 20) , 1 (W) 2 (W₂) 1 (L₁) 4 (L₄)
 2 (130) 2 (131), 2 (135) 2 (133)
 2 (131) 1 (120) 1 (121) 2 (131) (131)
 4 (110) 1 (160) 가 , 2 (166) 1 (160)
 2 (131) 2 (135) 1 (120) 1 (123a) 2
 (123b) 2 (135) 4 (166) 2 (133)
 4 1 1 2
 4 , 2 (135) 1 (123a) , 2 (135) 2
 (123b) (G) , (G) 1 (123a) 2 (123b)
 3 , 2 (135) 4 (166) 2 (133) , 2
 (133) 5 (168) 2 (133) 2 (133) 2 (135)
 (130) 3 (T₃) 1 (120) 1 (T₁) 3 (T₃) 2
 5 1 1 , 2
 1 5 , (140) 1 (120) 2 (130) (140)
 2 (123b) 2 (135)
 , (140) 1 (120) (123c) (123c)
 (141)
 , 1 (120) 2 (130) 1 (120) 2
 (130)
 6 1 1 2 A
 6 , 1 (120) 1 (121a) 1 (121a) 2 (13
 0) 2 (135) (160)가 (160)
 (161), (161) (162, 163)
 7 1 1 2 A
 7 , 1 (120) 1 (121a) 1 (121a) 2 (13
 0) 2 (135) (170) (170) 1 (120)
 2 (130)
 8 1 1 2 A
 8 , 2 (120) 2 (135) 1 (135a)가 1
 (120) 1 (121a) 2 (130) 2 (135) (135a)
 (135a) 1 (135a) 가 (135a) (135a)
 135a) 1 (120) 1 (121a) 2 (130) 2 (135) (135) (135)

. , (135a) 1 (121a) 2 (135)
 .
 9 1 1 2 .
 9 , 1 (120) 2 (130) 1 (120) 2 (130)
 (180) (180) 1 (120)
 1 (125) 가 , (180) 2 (130) 2 (135) 가 (120)
 (150) 1 (120), (140), 2 (130) (110) 1
 (100)가 .
 (150) 1 (120) 2 (130) , 1 (120) 1 (125)
 2 (130) 2 (133)
 , (110) 1 (121a) 2 (131) (150) .
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 10 2 .
 10 , (100) (130), 1 (120), 2 (130), (110)
 (150) .
 (130) (130)
 (130) 2 (143, 144) . 2 1 (143) , 2
 2 (144) .
 1 (120) 1 (143) , 2 (130) 2 (130)
 .
 1 (120) 1 (121), 1 (123a) 2 (123b) 1
 (123) 1 (123) 1 (125) . 123c 1 (123)
 a) 2 (123b) .
 , 1 (123a) 1 (125) 1 T₁ 2 (123b) 1
 (125) 2 T₂ , 1 T₁ 2 T₂ .
 (140) 1 (143) 2 (123b) (140) 1 (120)
 (100)
 , 2 (130) 2 (131), 3 (135a) 4 (135b) 2
 (135) 2 (135) 2 (133)
 , 3 (135a) 2 (133) 3 T₃ 4 (135b) 2
 (133) 4 T₄ , 3 T₃ 가 4 T₄ .
 (130) 2 (144) 4 (135b) (130) 2 (130)
 (100)
 , (130) 1 (120) 2 (130) .
 (150) 1 (120), (140), 2 (130) (110) 10
 (100)가 .

(150) 1 (120) 2 (130) , 1 (120) 1 (125)
 2 (130) 2 (133)

, (110) 1 (121) 2 (131) (150)

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11 3 . 12 11 B-B

11 12 , (900) (800), (100), (200, 300),
 1 (400), 2 (500) (600, 700)

(800) (800)

(100) 1 (120), 2 (130) (140)

(100) 1 2 (100)

1 (400) 1 (120) 1 (125) . 1
 (400) 1 (125)

1 (400)

0) , 1 (400) 1 (410), 1 TFT (420) 1 (43

2 (500) 2 (510), 2 TFT (520) 2 (530) . 2
) (500) 2 (130) 2 (133) , 2 (133) 2 (500) 1 (125)
 2 (133) 2 (500) 1 (400)

1 (200) 2 (300)

1 (200) 1 (400) 1 (120) , 2 (300)
) 2 (500) 2 (130)

1 (200) 2 (300) 1 . 1 (20
 0) 1 2 (200) 2 (300) (Brightness Enhanced Film)

(500) 1 (600, 700) (200), (200, 300), (100) 2

(600) (700)

(700) 2 (130) 4

(700) (400) 2 (500), (200,300), (100)
 1 (710)가 (700) (700) 1 (120) 1 (500) (500)
 30) 2 (131) (800) 1 (720) 2 (121) 2 (1

(600) (700) (700) 1 (200)

(600) 1 (200) (610)가

(700) (710) 1 (500) (500)

(700) (700) 2 (300)가 (500)

(700) 2 (300)가 (300) 1

(120), (140) 2 (130) (130) 2 (133) 2

(300)

1 (120) 1 (200)가 1 (200) 1

(400)

(700) 2 (500) 1 (400) 1

(400) (600)가 (600) 1 (400) 가 1

(700)

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8. 1 , 2 1

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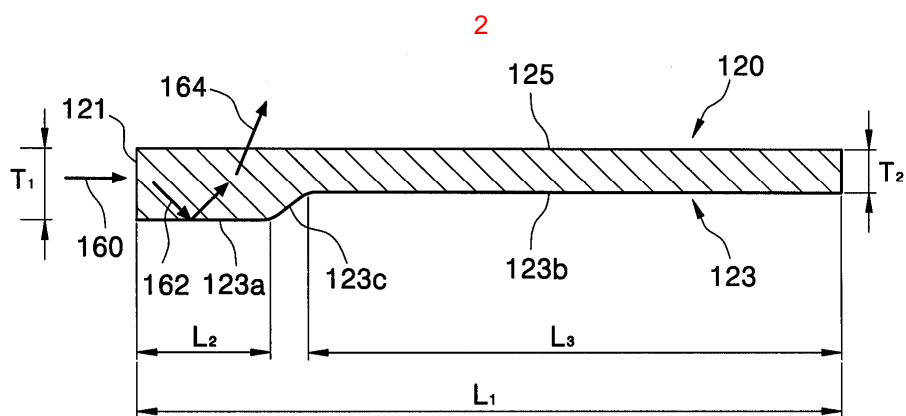
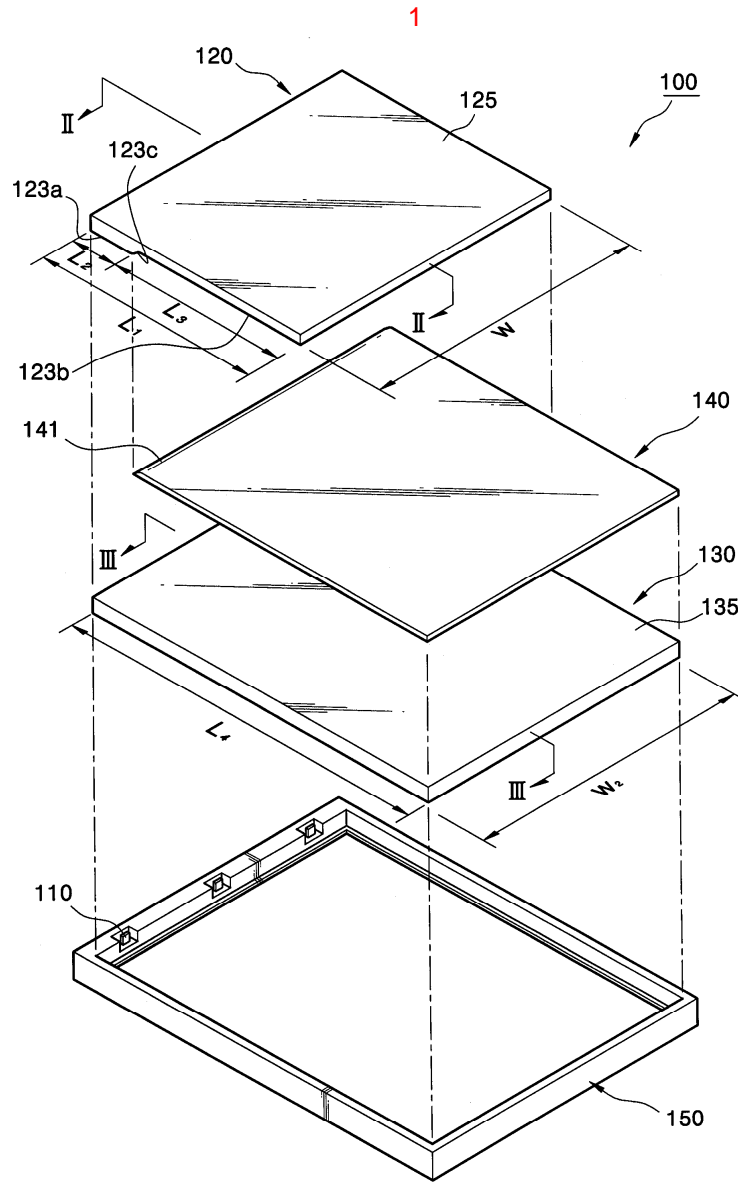
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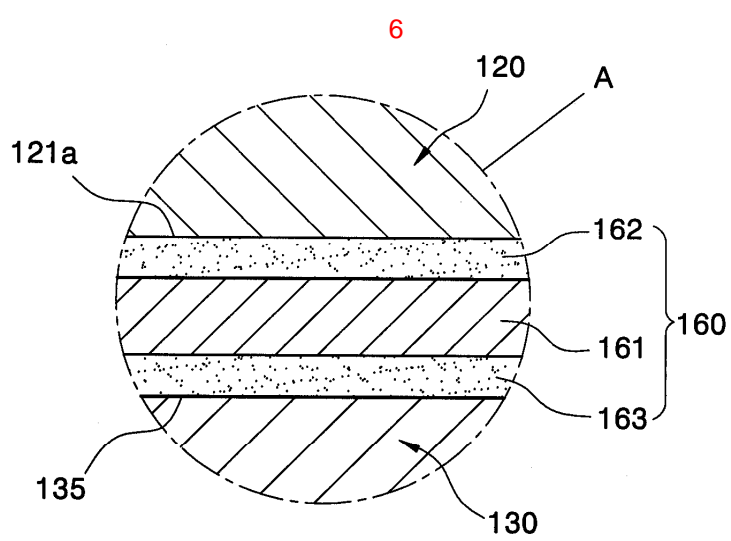
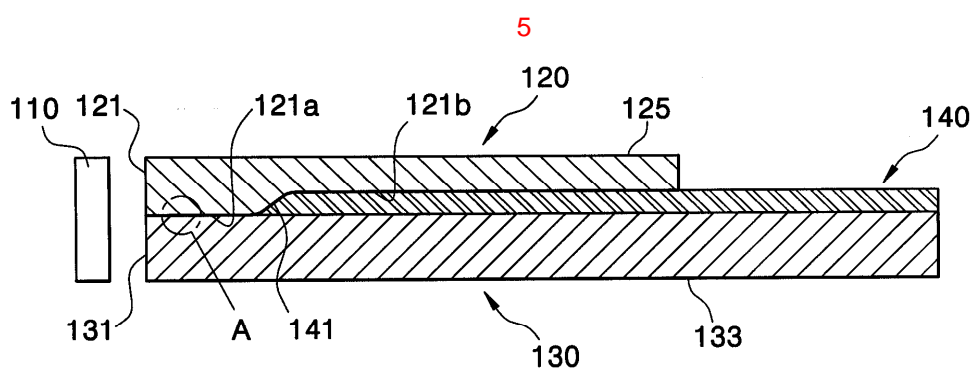
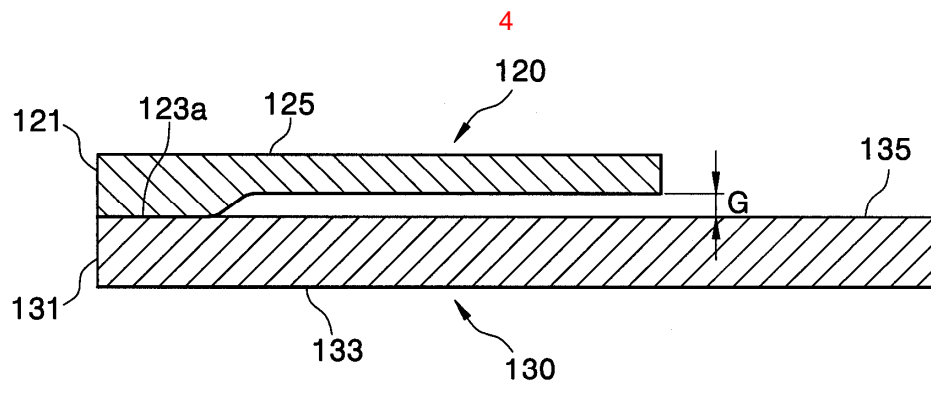
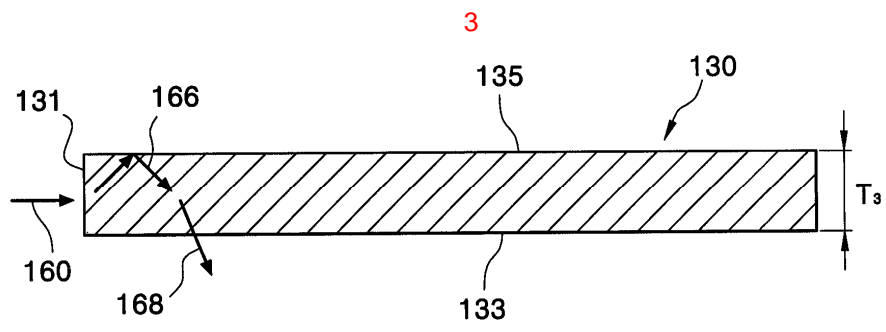
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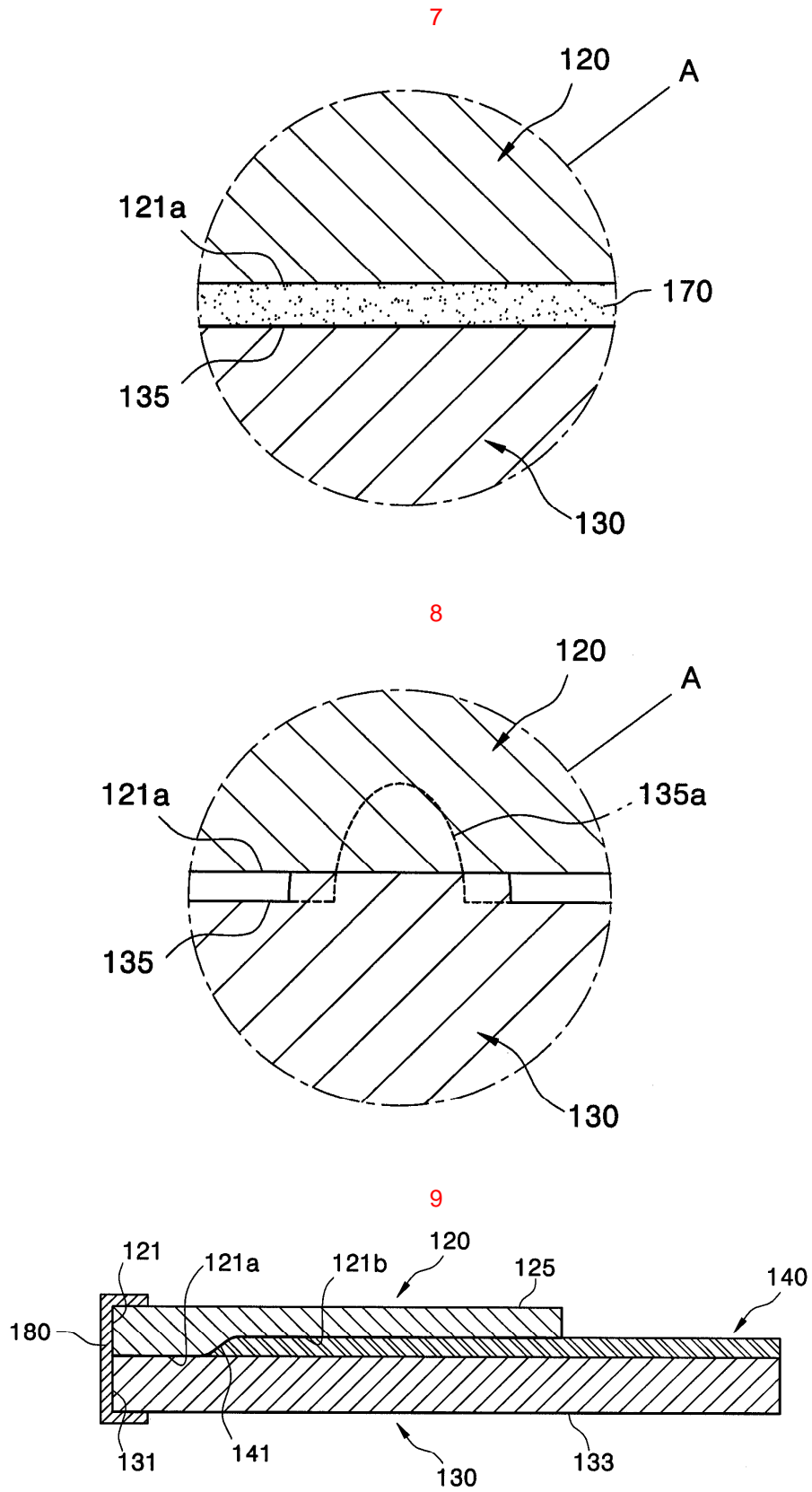
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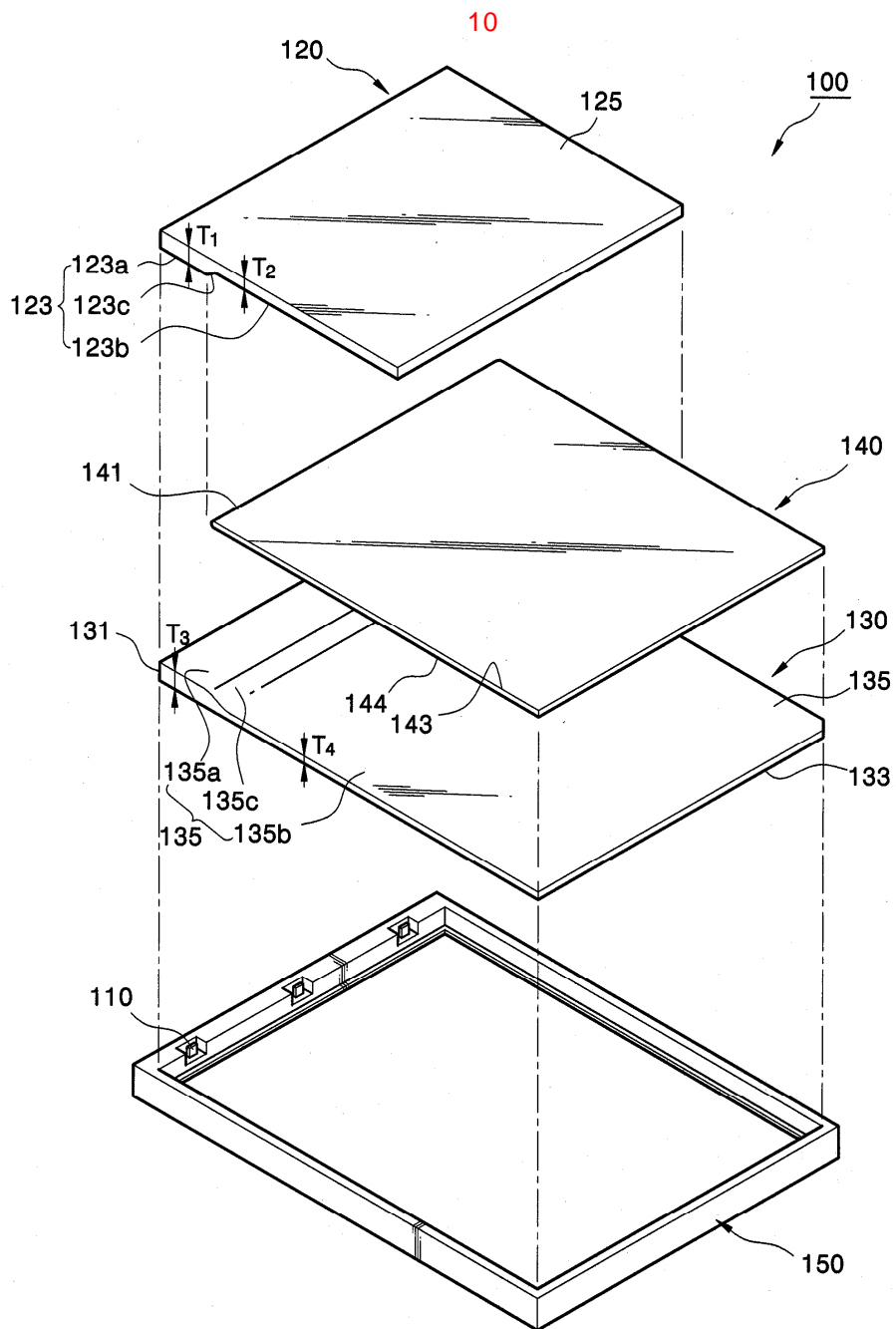
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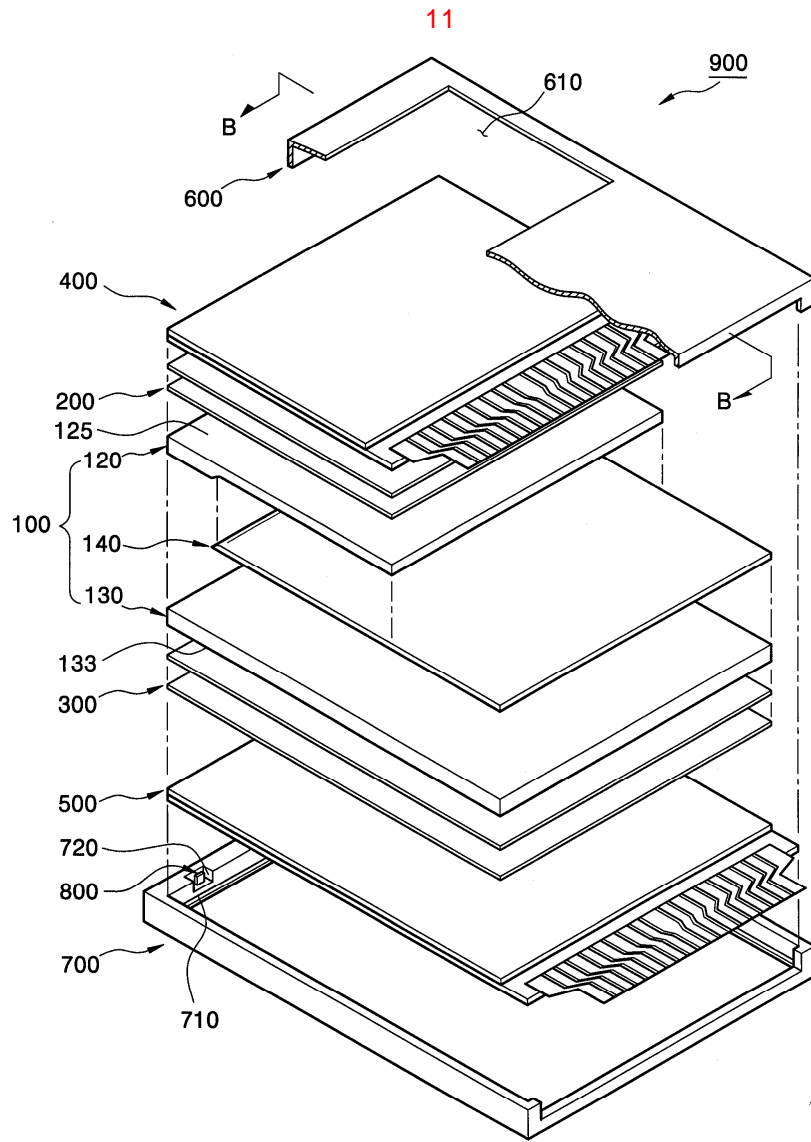
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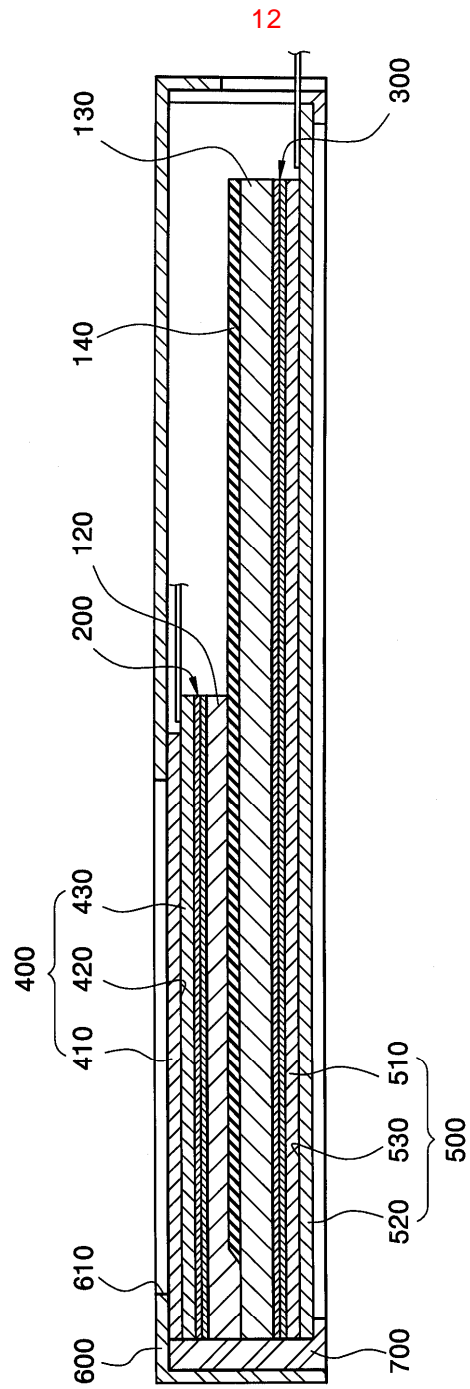












专利名称(译)	背光组件和使用该背光组件的液晶显示器		
公开(公告)号	KR1020040026761A	公开(公告)日	2004-04-01
申请号	KR1020020058319	申请日	2002-09-26
[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
当前申请(专利权)人(译)	三星电子有限公司		
[标]发明人	KIM KYUSEOK 김규석 LEE IKSOO 이익수 OH JEONGSEOK 오정석		
发明人	김규석 이익수 오정석		
IPC分类号	G02F1/1333 F21V8/00 G02F1/13357 F21Y101/02 F21Y103/00		
CPC分类号	G02B6/0088 G02B6/0065		
代理人(译)	PARK , YOUNG WOO		
其他公开文献	KR100887635B1		
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。背光组件连接到第一光入射表面和第一光入射表面。并且它具有插入第一光学反射表面的反射器，该第一光学反射表面具有阶梯式滑轮，第一导光板具有面向第一光学反射表面的第一光出射面，以及形成在第一光导板之间的间隙，其中第二光导向板具有面对的第二光出射面，并且形成有级滑轮和第二导光板。并且关于液晶显示器的第一显示面板安装在背光组件的第一导光板中。第二显示面板安装在第二导光板中。因此，提高了光源中产生的光的效率，并且降低了液晶显示器的厚度。液晶显示器，导光板和两个侧屏显示器。

