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(22) 2002 05 17

(71) 3 416

(72) 1 108 410

(74)
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(54)

U
가

3

, U ,

1

2

3

4 3

5 4

6

7 6

< >

300, 600 : 320, 620 :

351, 671 : U 355, 680 :

356, 681 : 380, 690 :

U

CRT(Cathode Ray Tube)

가 가

. CRT

가

가

, 2

가

(Cold Cathode Fluorescent lamp)

가

가

가

가

가
253.7nm

가

가
254nm

1

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

(100)
(130, 140)

(110)
(110)

(110)

()
()가

2

0)가 (110) 가 (110) (130, 14
(140)가 (110)

, 가 (100) 가 가 1 (130)
 2 (140) 2 (140)가 , 2 (140) , (110)
 2 (140) 가 , 2 (140) ,
 (110) 가 2 , 가 (110) 가
 2
 2 (260) , (270) (200) (210), (220), (251), (
 (251) () 가 (251)
 (260)가
 (260) ()
 (251) , 1 (253) 가 1 (254) (253) 가 2 (254)가
 가 2 (254) (251) , 가 가 (260)
 2 가 (254) 가 가
 (200) , (251)가 , 가 가
 , 가 U
 , , 가 U
 ; , , 가 , 가
 ; , , U
 , , 가 , U
 ; , 가 , 가 ;

, U
가

가 , U 가

3 , (300) (320)
(330) .
(320) (323), TCP(Tape carrier Package : 'TCP')(324),
(325), TCP(326), (327) , (330)

(323) RGB 가 (321) (322)
()

TCP(324) / (325)

TCP(326) , (327)

(320) (320) (330)가

(330) (360), (360)
(350), (360)
(340), (360)
(323) (370) (380)

(310) (380) (330) , (320)

4 3 , 5 4

4 5

55) (350) U (351), (352), 1 (353), 2 (354), (3
(356)

U (351) (352) (356) , U (351) ()
(352) , U (351)
(356) (355)

4 U (356) U (351) ,
 U (351)

5) U (351) (352) (355) (356) (35)

U (351) U (351) 1 2 (353, 354)
 U (351) ()가 1 , U (351) 2 (354)
 , (355) (350) , U (351) 가 ,
 (355) U 2 (351) U (351) 3 (360)
 U (360) (351) 가 , , U (351) 3
 (356) (356a) (355) , U (356a) (351) U (351) , U (351)
 (356) U (351) , 3 U (360)
 , (356b) , 가 (356b) U (351)
 (356) . . (PolyEthylene Terephthalate : PET), PMMA

U (351)가 , (356) (356b) U (351)

6 , 7 6 ,
 6 7 , (600)
 (620) (640)

) (627), (620) TCP(624) (623) , (621) TCP(626) (622) (625), (
 (623) (640) (623) (650) (650) (650) (660), (660) (690)
) (low) , (upper) (650) , (650) (650) ()
 650)

, (660) U (671) U (671)
 (680) (672), U (671) 1 2 (671), U (673, 674), (680)
 (681)

가 , 가 .

(57)

U 1. 가 , ;
 , 가 ;

1 2. , ,

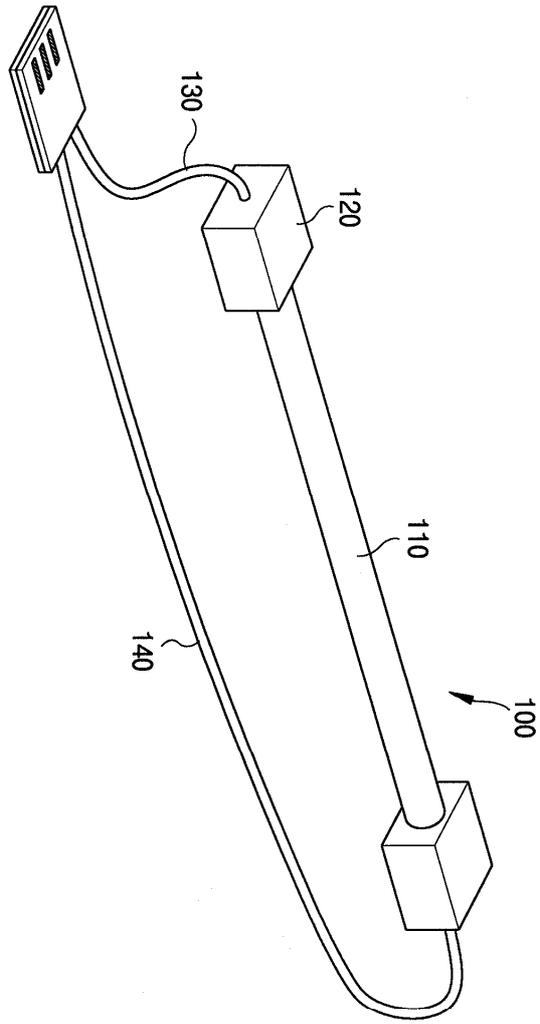
1 3. , ,

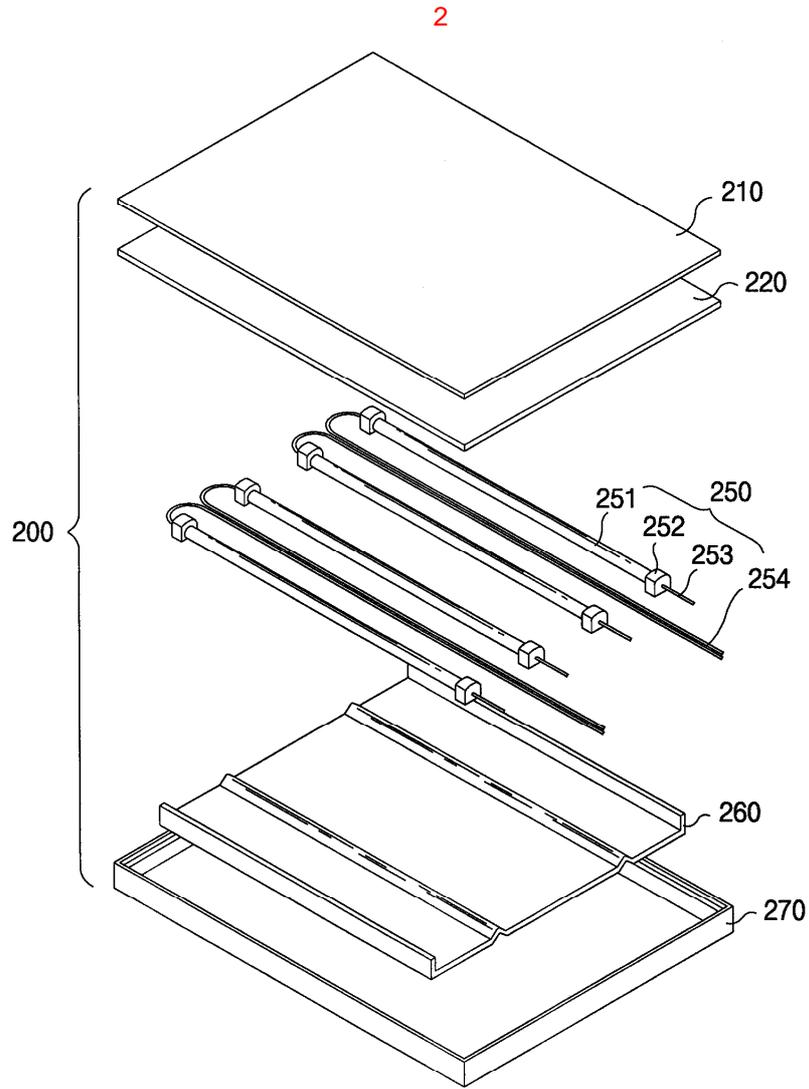
1 4. , .

U 5. , , ; 가
 , 가 ;
 , 가 ;

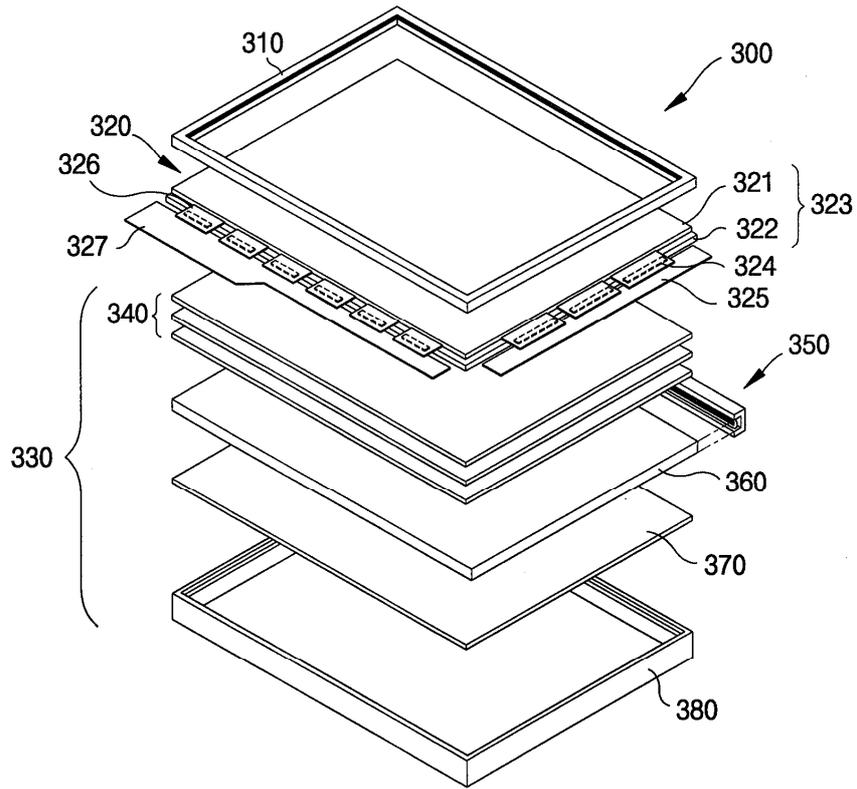
U 6. , , ;
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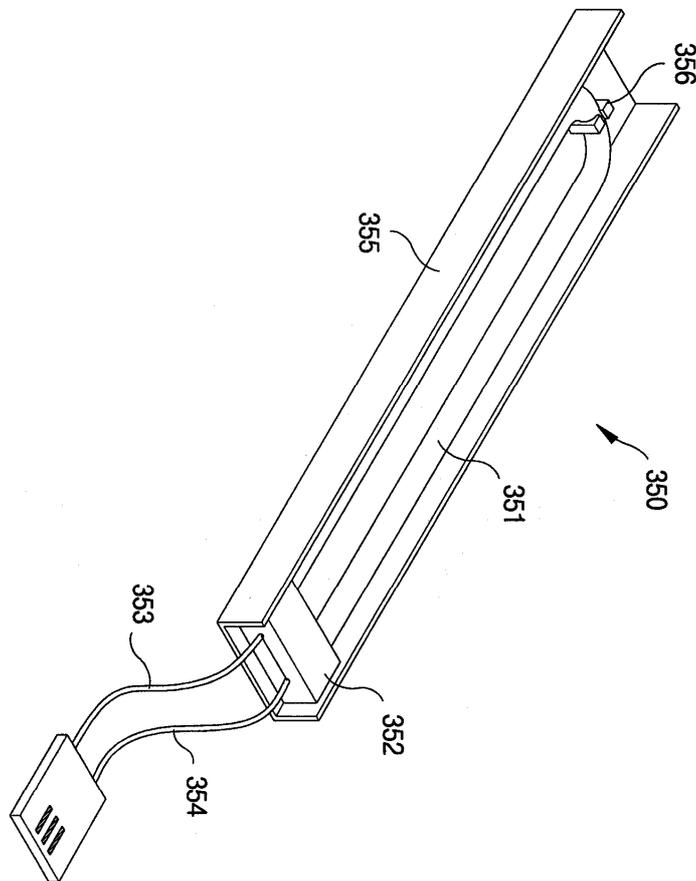




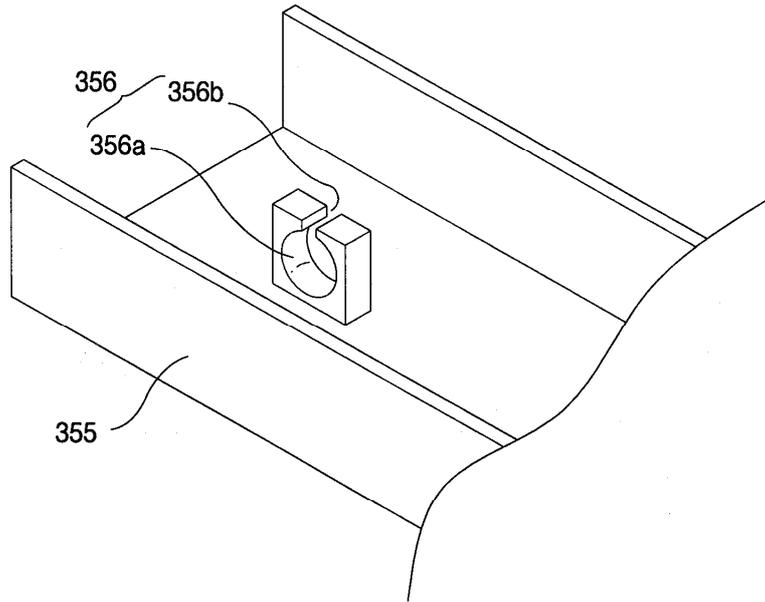
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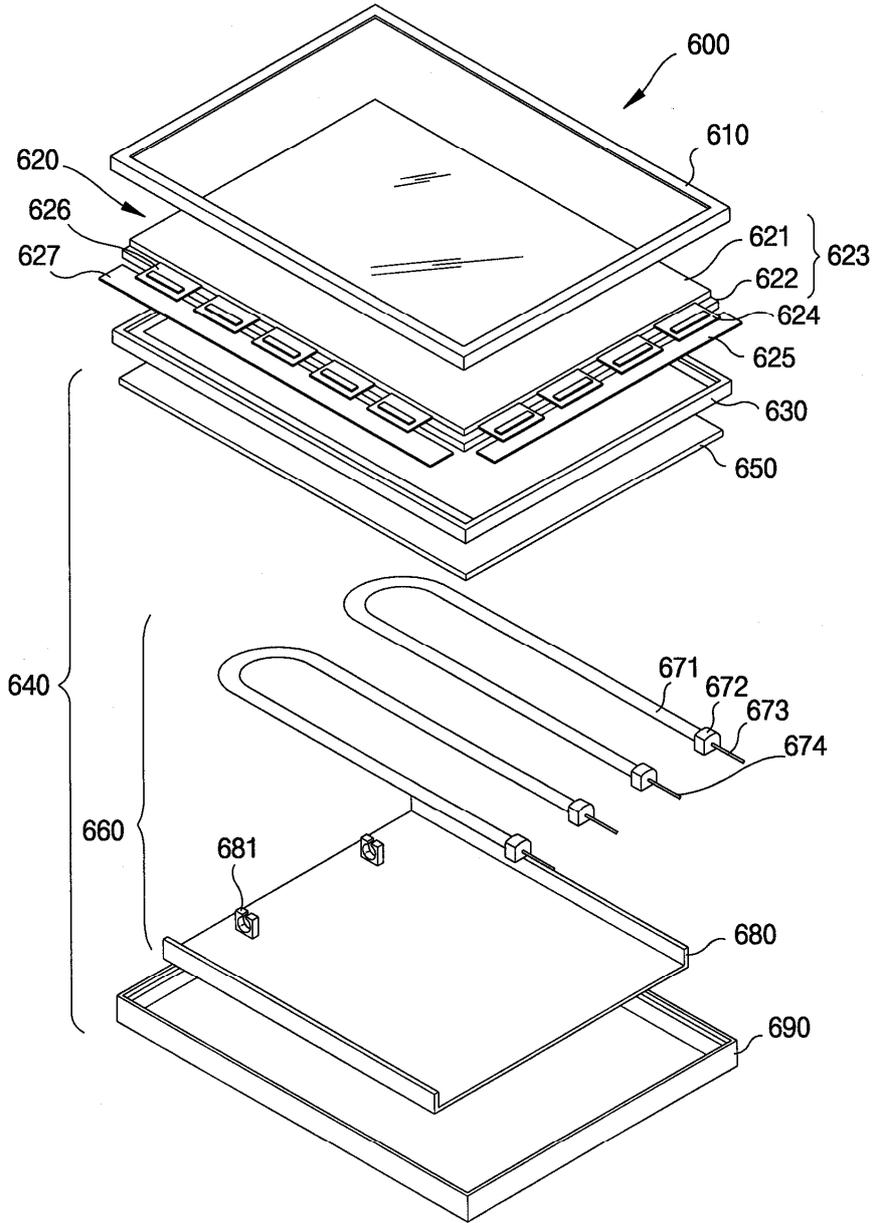
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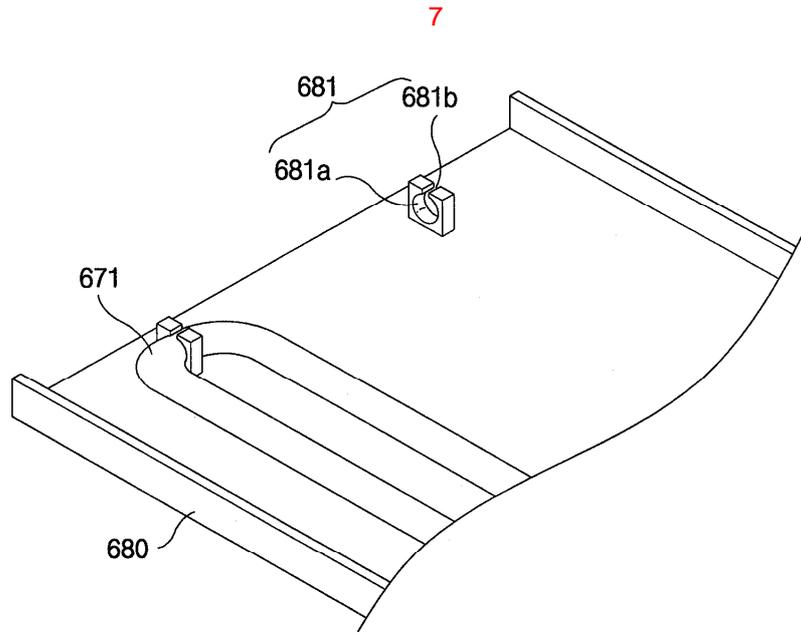


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专利名称(译)	灯组件和具有该灯组件的液晶显示装置		
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[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
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IPC分类号	G02F1/13357		
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摘要(译)

本发明公开了一种灯组件，其中灯的数量减少并且通过使灯具有U形来移除返回线，以及具有灯组件的液晶显示装置。多个灯具有U形以产生光，并且反射器具有固定构件，用于支撑灯的弯曲部分以容纳灯，并且灯座固定灯的电极部分。结果，可以减少灯和逆变器的数量，从而降低产品的成本，消除返回线，降低功耗，并且减少由于返回线处理引起的工件数量。3 指数方面 液晶显示器，灯，U形，灯线

