

(19) (12) (KR) (A)

(51) 。 Int. Cl.⁷ (11) 10-2004-0078796
G02F 1/13 (43) 2004 09 13

(21) 10-2003-0013661
(22) 2003 03 05

(71) 416

(72) 2 1 109-504
1 660 가 60-604
5 61-18

(74) :

(54)

TFT 2 TFT 1 1
1 1
2 2
, TFT 2
TFT TFT

7
,

1
2 1 TFT

3			.						
4	TFT					.			
5	1	LCD		TFT				.	
6	1		2		1				.
7	1			1			2		
	.								

(liquid crystal display device, LCD) (liquid crystal)
(flat display device)

(LCD panel) (light supplying device)

TFT TFT TFT TFT TFT TFT TFT TFT TFT TFT

LCD TFT LCD TFT
 가 TFT TFT , 2 1 1 2 1 2 LCD TFT
 TFT 2 2 1 1 2 1
 , TFT
 1
 1 1 (100) , 1 2 TFT (110,120)가 TFT
 1 (100) TFT (110,120) 1 (100) 3 TFT
 가
 2 1 TFT
 2 , TFT (110,120) (130) (140)
 (130) TFT (110,120) TFT (110,120) 가,
 , 1024 × 768 , TFT (110,120) (130) 1024 × 768 × 3
 TFT (110,120) (140) (G), (D), (C)
 (S) (140) 1 (130) 1 (G) (150)
 (140) (140) (140) (140) (S)
 (160) (D) (130)
 , 가 가 (150) 가 (160)
 가 가
 1 , 2 (200) 1 (100) TFT TFT (110,120)
 2 (210,220)가 (210,220) TFT (110,120) 1
 3
 3 (110,120) (210,220) (230) (240) (230) TFT
 (110,120) (130) , (240) (230)가
 (210,220) (210,220) 2 TFT
 (110,120) (150,160) TFT (110,120)
 4 TFT
 4 , 1 (100) TFT (110,120) 2 (200) (
 210,220) , TFT (110,220) L₁ W₁ (210, 220) , TFT
 (210,220) L₁ L₂ W₁ (110, 220)
 (110, 220)
 , 1 (100) TFT (110,120) 2 (200) (210,220)
 (130) (230)가
 TFT (110,120) (210,220)

1 , TFT (110,120)가 1 (100) (210,220)가
 2 (200) (assembly substrate;300) (300)
 TFT (110,120) (210,220) LCD (LCD unit cell;310,320)
 (300) LCD (310,320) (300) (400)

5 1 LCD TFT

5 (300) TFT (110,120)가 (900)
 (900) (300)

1 5 X Y (800) (300)
 (100) TFT (110,120) (185,187)

(185,187) (185,187) 1 (100) 가 ((100)
 TFT (110,120) 1 (100) Z Z

0 1 (100) LCD (310, 320) TFT (110,120) TFT (170,18

6 1 2 1

6 (100) TFT (170,180, 1) (300)
 (900) TFT (170,180) 1 (100)
 TFT (170,180) TFT (170,180) 2 (200) (300) (300) 2 ((200)
 (900) (300)

(900) (300) (800) X Y 2 (1
 (200) (285,287) (285,287) (300) 1 (1
 00) TFT (170,180) , 2 (200)
 (285,287) TFT (170,180) (285,28
 7) TFT (170,180) (210,220; 6 (285,287))가
 , 2 (200) 가 , Z
 2 (200)

, 2 (200) (210,220) 1 (215
 ,225)

7 1 1 2

7 (215,225) (210,220) (8
 00) X Y 1 2 (289) 2 (288) , 1
 (215,225) 1 (289) 2 (288)

1 (289) 1 (215,225) (210,220)
 (215,225) 2 (288) 1 (289) 1

1 (289) TFT (170,180) (150,160)
 , 2 (288) (150,160) 2
 (150,160) (150,160)

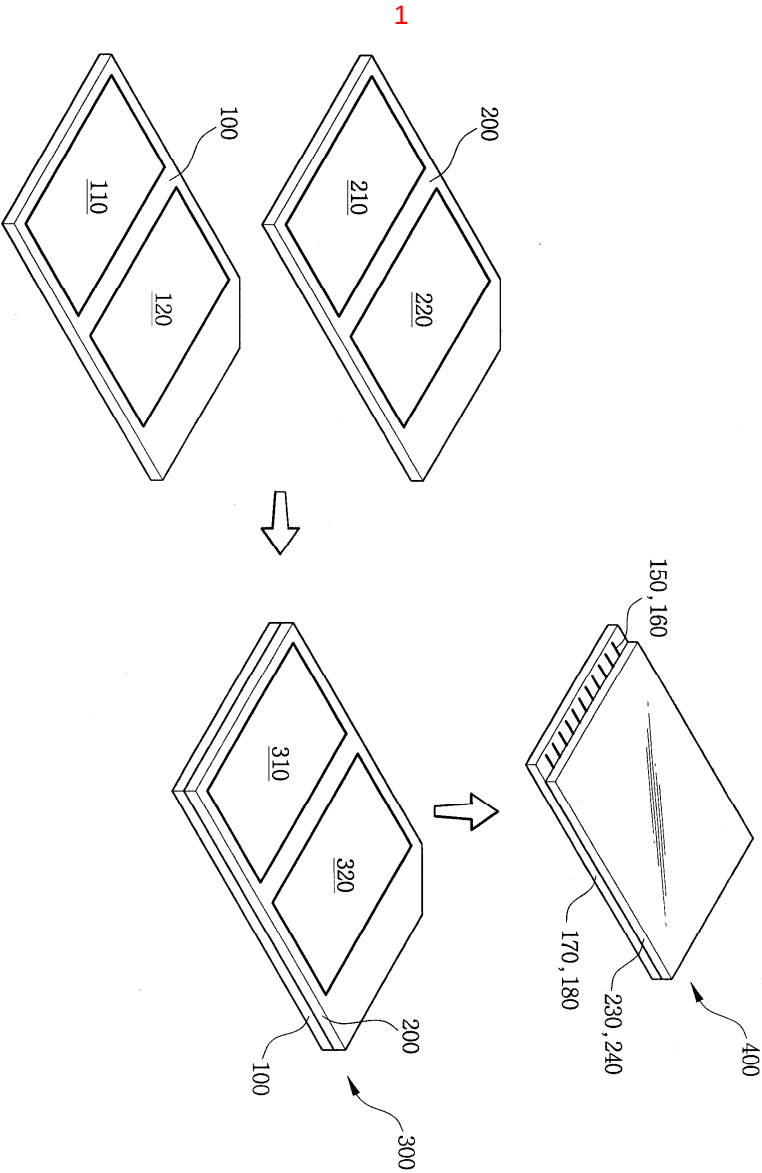
, 1 (289) 2 (288) 가 1 (289)
 2 (288) Z , 1 (215,225) TFT
 (170,180) (150,160) 2 (230,240)

7 2 (230,240) 5 1 (170,180) TFT (170,180)
 (150,160) .
 , 2 (230,240) , 1 (289) 2
 (288) , 2 (288)
1 (289) .
1 , , 2 (230,240) 2 (288) ,
1 (289) .

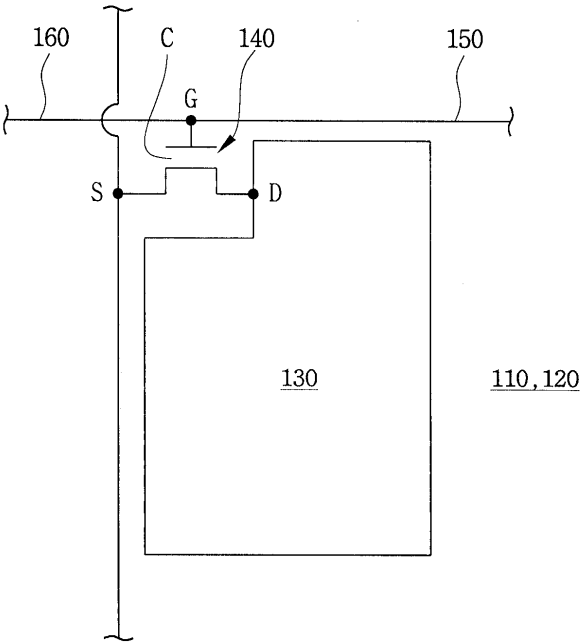
 TFT , 1 LCD 2 LCD
 TFT ,

(57)

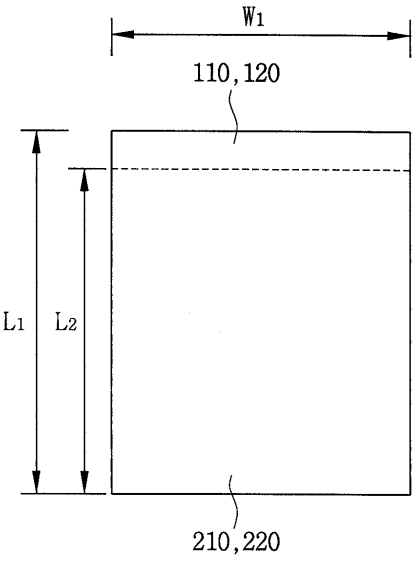
1.
1 2 LCD LCD
 ,
1 1 TFT TFT ;
2 1 2 가 TFT
 1 ;
1 TFT 2 2 1
2 .
2.
1 , 2
1 1
1 ;
1 1 2 ;
2 1
 .
3.
2 , 2 ;
1 .
4.
2 , 1 ;



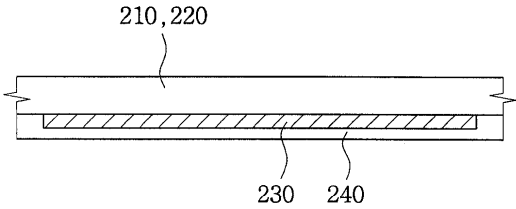
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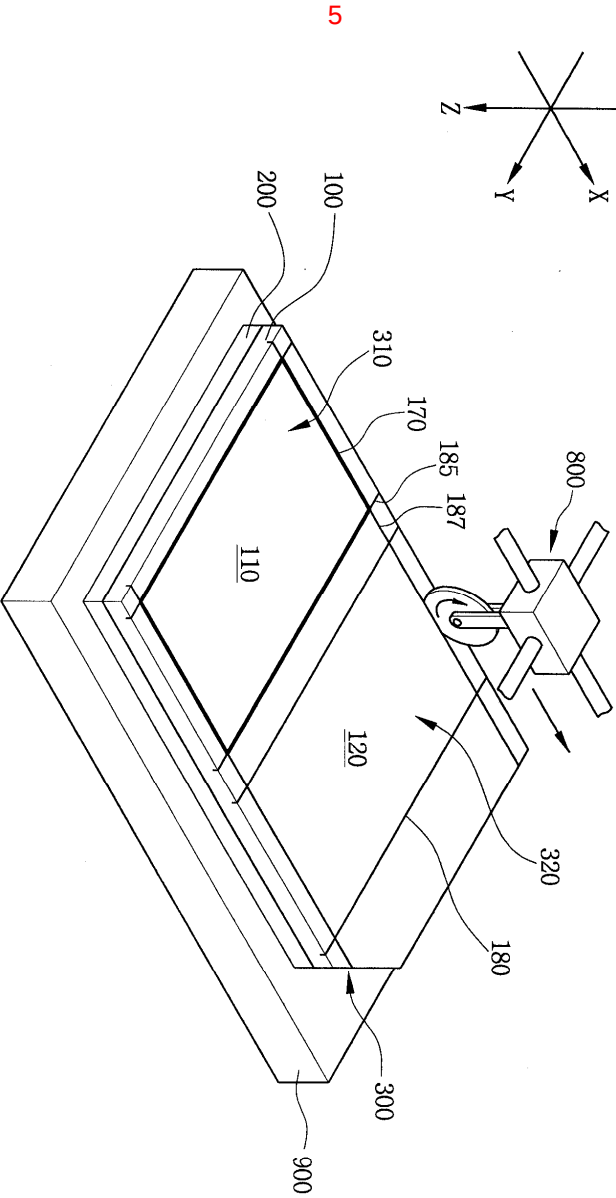


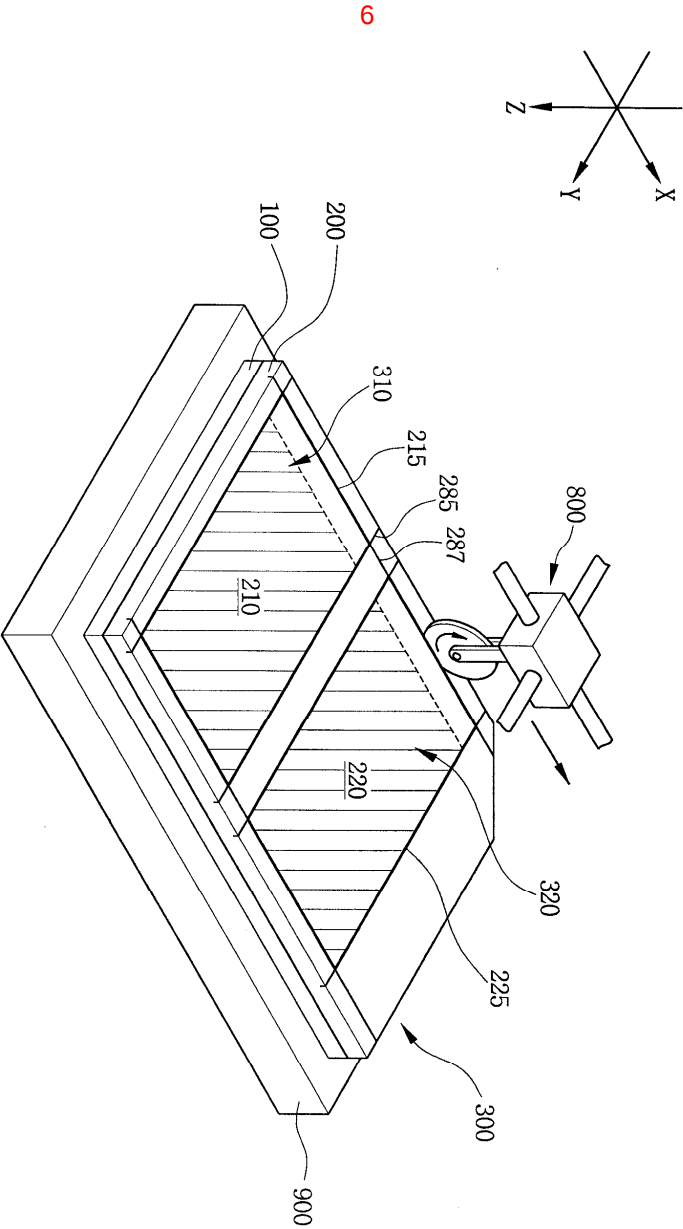
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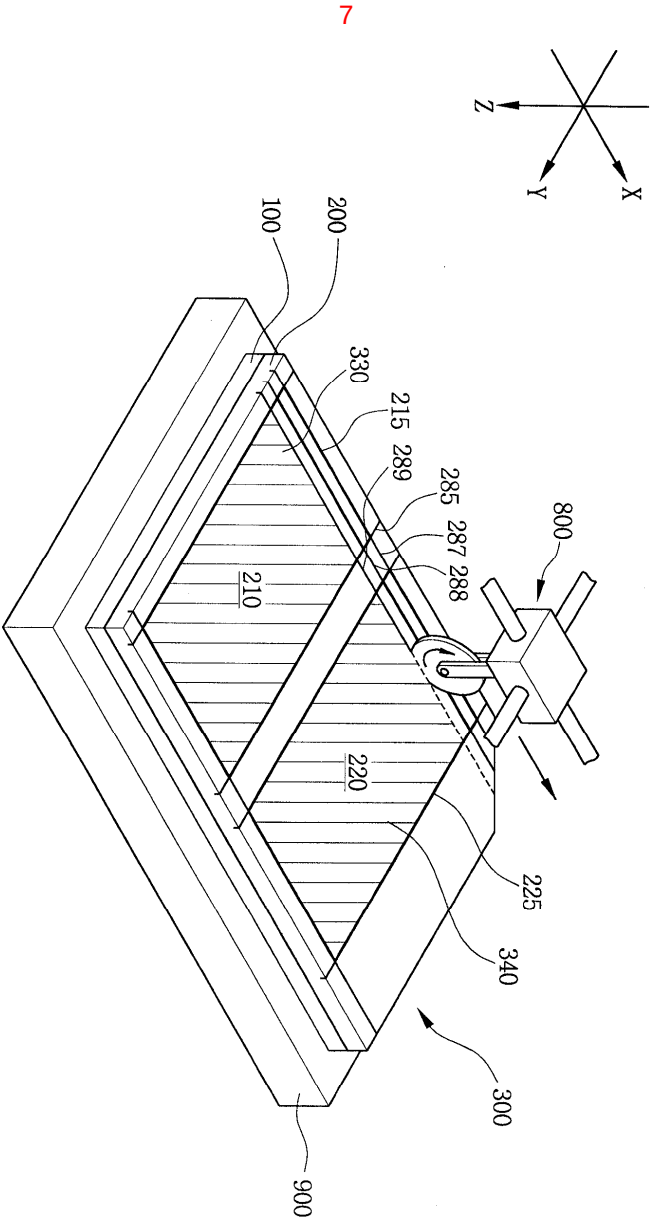


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专利名称(译)	一种从组装的基板分离液晶显示板的方法		
公开(公告)号	KR1020040078796A	公开(公告)日	2004-09-13
申请号	KR1020030013661	申请日	2003-03-05
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申请(专利权)人(译)	三星电子有限公司		
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IPC分类号	G02F1/13		
代理人(译)	PARK , YOUNG WOO		
其他公开文献	KR100943269B1		
外部链接	Espacenet		

摘要(译)

公开了一种用于将LCD面板与组装基板分离的方法。将切割和组装基板的TFT基板转向第一区域，沿着TFT基板的边缘从组装基板的第一母板在第一区域切割第二母板，并制作第一滤色器基板。再次覆盖第一滤色器基板中的TFT基板的信号线的部分，由TFT基板和其切割的第二滤色器基板构成的LCD面板制造成至少2个。因此，在制造第二滤色器基板的过程中，通过放置在TFT基板上的平板玻璃条与平板玻璃条的摩擦力对信号线的损坏与TFT基板的信号线分离。防止刮伤。液晶面板和切割。

