

(72)

07463, , 96
 07470, , 74
 07440, , 3
 14845, ,가 558
 14845, , 22

(74)

:

(54)

(38) LCD (37) , LCD
 , LCD (38) , LCD (38)
 (Tape Automated Bonding strips: TAB)(62) , LCD (38)
 (138) , LCD (38)
 , (66) , LCD (38)
 , (50) ,

3

, , TAB,

(LCD) , LCD

(LCD) LCD / (address LCD
 line) / X - Y
 LCD 2 4
 1 2 ,

1 2

2 가

/

LCD

(flexible circuit:) 가

1 LCD (12) (13) (12) (13) (10) (15,16) (17,18)

1 LCD (10) (11,14) (11,14) () 가

LCD (tape automated bonding) LCD TAB 2 (10) TAB(20) TAB(20) TAB (29) (32)가 (10) (21) (27) / (31,29) (10) (21)가 (10) (input and output trac (e: 31,29) 31) (34)

LCD LCD (37) LCD 가 (38) LCD (landscape mode) () (portrait mode)

LCD 가 LCD 가 LCD 가

, LCD 가 (scribing) 가 (10) 가 () () 가, (10) 가

가, / TAB, 가 / TAB,

, LCD , LCD

LCD

가

TAB, /

(LCD)

1 LCD

2 LCD TAB

3 LCD

4 LCD

4A, 5 6 LCD 4

7 8

9 12

13

LCD

3 LCD ()가 가 (38) (37) LCD =1) (> 1) (< 1) (

4 LCD (polarizer)((compensator)) (40) (41) , TAB, / (42) 가 가 (46) (48) , 4

4A (40) (43) 가
 (45) 가
 LCD /

5 6 (40) 5 LCD (50), T
 AB(52), (54) (56)

6 , LCD (50)
 TAB(62) TAB(62) (56) (66) TAB(6
 2) , (heat bar), (hot knife), (cool knife)
 TAB(62) (peeling) 가 TAB(62)
 TAB(62) (50) (60)

(52) (end mill)
 TAB(68)
 (trace) TAB(68) TAB(68) (66)
 (56)

가

, LCD
 , LCD

TAB(62) 가, LCD TAB(62)
 가

, LCD가 (,) , 가 , LCD가 (,)
 , 가

LCD 4 (42)
 6 (50)
 TAB , 7
 (50) (72,74)
 / (72,74)
 (plate assembly: 70), (72) (74) (72,74)
 (72,74)

(72,74)가

(ESD) / (tribocharging) . 2 (ionizer)

6 (80) (82) (70) (81) (82) (80) (scribe: 84,86) LCD 1

가 1 (87) 3mm 2 (88) 1 - 2mm (82) (80) 2 (88) 5mm

가 가 8 (82) (80) (80) 가, (88) (82) (86) (80) (82)

1° (84,86) (70) (84,86) (angular displacement)가

11 (70) (110) 가 (112) 12 가 (110) (120) (110) 가 가 가 (70) 가 (112) 가 (120) 가 (110) 가 (112) (120) (70)

9 (70) (110) (90) UV() (70) (92) 가 (112) (90) (81) (90) 가 (90) (110) (90)

10 (70) 13 , 4 (40) ,
 (138)가 (138) (50) (56) ,
 (138) (132), (136) (134) (136) (1
 (56) (136)
 34) (50) ,
 (134) (50) ,
 (134) (138) .
 (134) (134) (138) .
 (134) (134) (138) ,
 (136) (134) (134) (134)
 (126) (56) (132) (132) (132)
 (134) (136) (136) (132) ,
 (134) (130) ,
 X - (X - acto knife) , ESD .

가

, , 4 , LCD .

(57)

1.

(LCD) (37) , LCD (38)
 ;
 LCD (38) , (Tape Automated Bondin
 g strips: TAB) ;
 LCD (38) , (138) ;
 LCD (38) , (66) ; ,
 LCD (38) , (50)

(resizing) .

2.

1 ,
 ,

LCD	(38)	(134)	(134)	, LCD
(38)	(134)	(134)	(134)	,
(130)	(66)			.

3.

1 ,
 (138) ,

LCD	(38)	(134)	(130)	, LCD	(13
(38)	(134)			,	.
0)	(138)				

4.

1 ,
 ,

(80)	(82)	(72,74)	(82)	, 1°
	가	(80)	(82)	
		(80)		

5.

4 ,
 (84) (86)

2	(88)	1	(87)	,
---	------	---	------	---

6.

4 ,

7.

5 ,

(90)

8.

7 ,

(90) 가 가 , (90)
(92)

9.

1 ,

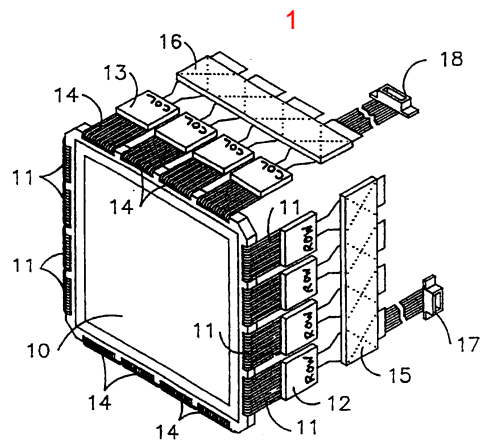
가 ; ,

가 (112) , 가 (112) (120) ,
가 (120)

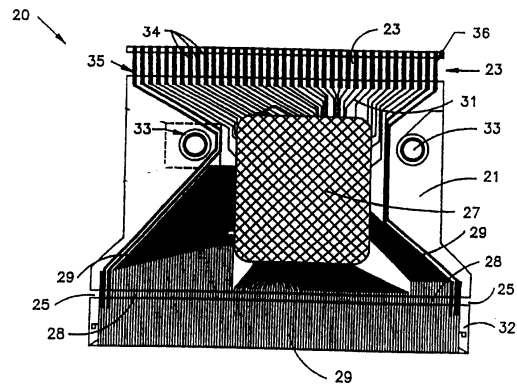
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9 ,

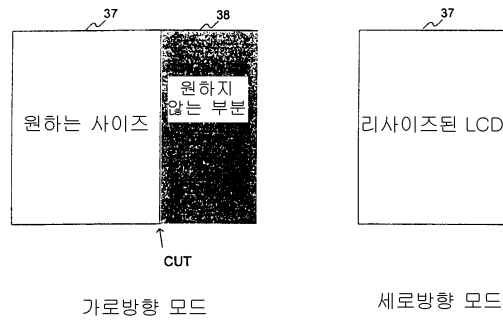
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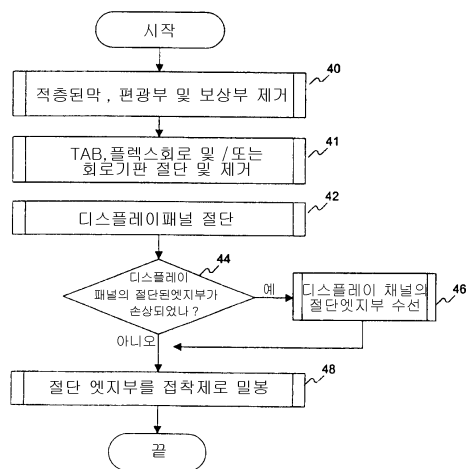
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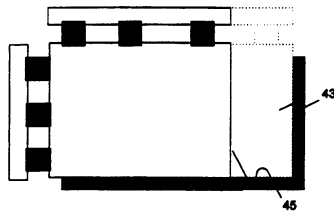
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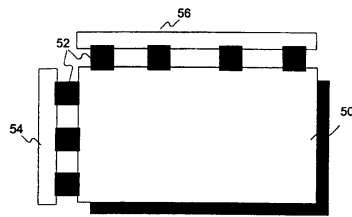
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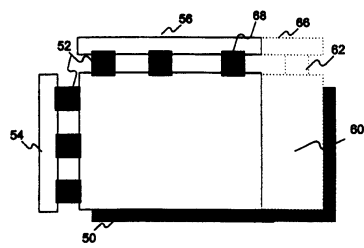
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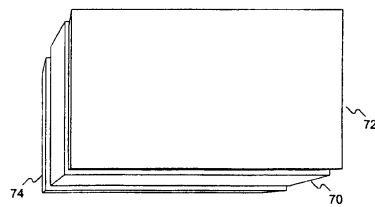
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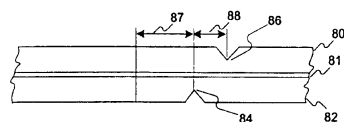
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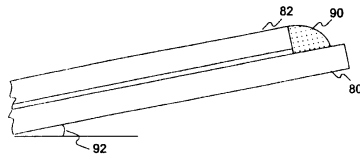
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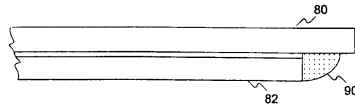
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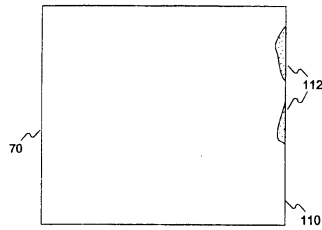
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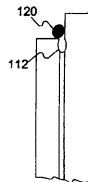
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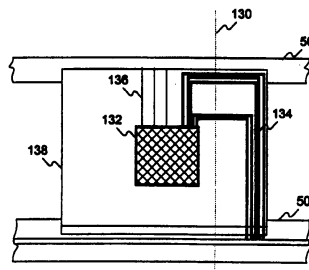
11



12



13



专利名称(译)	调整液晶显示器尺寸的方法		
公开(公告)号	KR1020020077367A	公开(公告)日	2002-10-11
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[标]申请(专利权)人(译)	霍尼韦尔国际公司		
申请(专利权)人(译)	霍尼韦尔国际公司		
当前申请(专利权)人(译)	霍尼韦尔国际公司		
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发明人	루강후아 마론토마스피 톰슨글렌덜 웰치론 사코마노로버트제이		
IPC分类号	G02F1/13 G02F1/1333		
CPC分类号	G02F1/133351		
优先权	09/696441 2000-10-25 US 60/172753 1999-12-20 US		
外部链接	Espacenet		

摘要(译)

根据本发明的液晶显示器的尺寸调整方法包括识别LCD的不需要部分(38)的步骤,确定LCD的所需尺寸(37)。随后,移除对应于LCD的不需要部分(38)的任意带式自动键合带(Tape Automated Bonding strips: TAB)(62)。任意柔性电路(138)或对应于LCD的不需要部分(38)的部分被切割并移除。并且切断任意电路板(66)或对应于LCD的不需要部分(38)的部分并将其移除。接下来,为了移除对应于LCD的不需要部分(38)的显示面板部分,切割显示面板(50)。最后,显示面板的切边部分被密封。液晶显示器,显示面板, TAB, 调整大小。

