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2003-0043629  
2003 06 02

(21) 10-2002-0066826  
(22) 2002 10 31

(30) JP-P-2001-00360149 2001 11 26 (JP)

(71) 가 가  
1 1 1

(72) 가 가 가 가 7-1 가 가

(74)

:

(54)

(給電) 가 , , (10) 1 (34)  
, (61) (20) , (13) 1  
(34) (34a) , (34a) (45, 46)  
(47, 48) ITO (54) (冗長) (14a) (34a) , (14a)  
(13) (13) , (34) (14a)

ITO (55) 1 (34)

2

1 ( ) ,

2 1 II-II ,

3 , 1  
 4 3 3 ,  
 5 3 5 5 ,  
 6 ( ) , 1  
 7 6 VII-VII .

\*  
 10: 13:  
 14: (臺座部) 14a:  
 20: 21: 2  
 34: 1 ( )  
 34a: 1  
 45: 1 46: 2  
 47: 1 48: 2  
 54: ITO 55: ITO  
 61: 62:

가 , 1 2 .

, CRT , 가 , 가  
 , (crosstalk)가  
 가 .

TFT(Thin Film Transistor)

ITO(Indium - Tin - Oxide)

TFT

가 . TFT

ITO

IC 가

가

10-268326).

(Al) (單體)

( )

(Al)

가

(Mo)

(MoW)

TFT

, TFT

가

8-260572

1

1

, 2

2

6~ 7

6

( )

, 7

(62)

(21)가

(10')

1

(34')

(20)

2

2

(21)

, 1

(61)

(34')

(34'a

)

(13)

(34')

(13)

(廣幅部)(13a)

ITO (54)

(13a)

(45, 46)

ITO (54)

(34'a)

(13)가

(34')

(13)

ITO (54)

(44, 45)

(15, 4)

( )

, ITO (54)

(34')

(13)

(13a)가

(15)

(34')

가 (端)  
1 2  
가 1 2  
1 2  
1~ 2 ( )  
2  
TFT  
(10) (20) (20) (62)  
(MoW) 1 가  
1 (10) (10c) (10) (10a) (20)  
(10) (10b) (20) (10a) (12)가 (10d)  
(10b) (11b)가  
(10c, 10d) (10e) (1) (12)  
(13)가 (62) (13) (13) (20) TC  
(12)  
P( )  
(20) (21)가 (62) (62) (62) (角部) 2  
(34)가 (10) 2 (A1) 1 (34)  
(4) 2 (21) 2 (48) 1 ITO (55)  
1 (34) 가 (14)가  
1 (14) (47) ITO (55) (15) ITO (55) 1 (34) (34)  
(14) ITO (55)  
1 2 (47, 48) (10) (10b) 가

10a) (縱橫) 4 가 . . . 1 2 (47, 48) (

a) 1 (34) ( ) (角部) (34a) (10  
(10a) ) (34b) (34a)

(13a) (34a) (34b) (13) (13a, 34b) (15, 4)  
1 (45), (4) (46) . ,  
(45, 46) ITO (54)

(14) (13a) 가 1 (14a) (34a) (14a)

a) (47) (13) (14a) , ITO (54) (14), (34

3~ 5

(1) 1 ( 3)

(18) (MoW ) 250nm . , 1  
(11b)가 756 (11) , (10) (10b) (11c)  
(10) (10a) (12)  
(12a) , (13)  
(13a) , 1 (34) (14) ,  
(13a) (14) (14a)  
(11) (11a)

(2) 2

(15) CVD 350nm 50nm (a-Si:H)  
, TFT(7) 50nm  
200nm

TFT(7)

(3) 3 ( 4)

CVD 50nm (n + a-Si:H) 350nm  
(AI) , (ohmic contact)

(31b)가 (31) , (10) (10a) (31c),  
(34a) (34) (34b)가 (34a)  
(34) 1 (35)가 (13a) 4

TFT(7) (31) (32) (33)

(4) 4 ( 5)

200nm (4) (11b) (41)  
 - (42) .  
 , (12) (12a) 1 (43) ,  
 (31) (34b) 2 (44) .  
 (45) , (13) (13a) 1  
 (46) (34a) (34b) 2  
 , (14) (34) 1 (47) , (35) 1 (34)  
 2 (48) .  
 , 2 (BHF) ,  
 (端面) .  
 (5) 5 ( 5)  
 (12) 40nm ITO (13) , (51) (11b),  
 ITO (52) .  
 , 1 (43) 2 (44) ITO (53) ,  
 1 1 (45) 2 (46) ITO (54)  
 , 1 (34) ITO (55) .  
 , (20) , (Cr) ,  
 , ITO (62) 2 (62) (21)가 1 (34)  
 (10) (20) (62) (61)가 (10) 1 (62)  
 (20) 2 (21) (62) (61) (34) ,  
 가 , (62) , (10) (20) 가  
 ( ) (34a) . 가  
 , 1 1 2 (47, 48) 가  
 , 1 (34) 1

(57)

1.

(端)

(冗長)

(臺座部)가

2

1

2

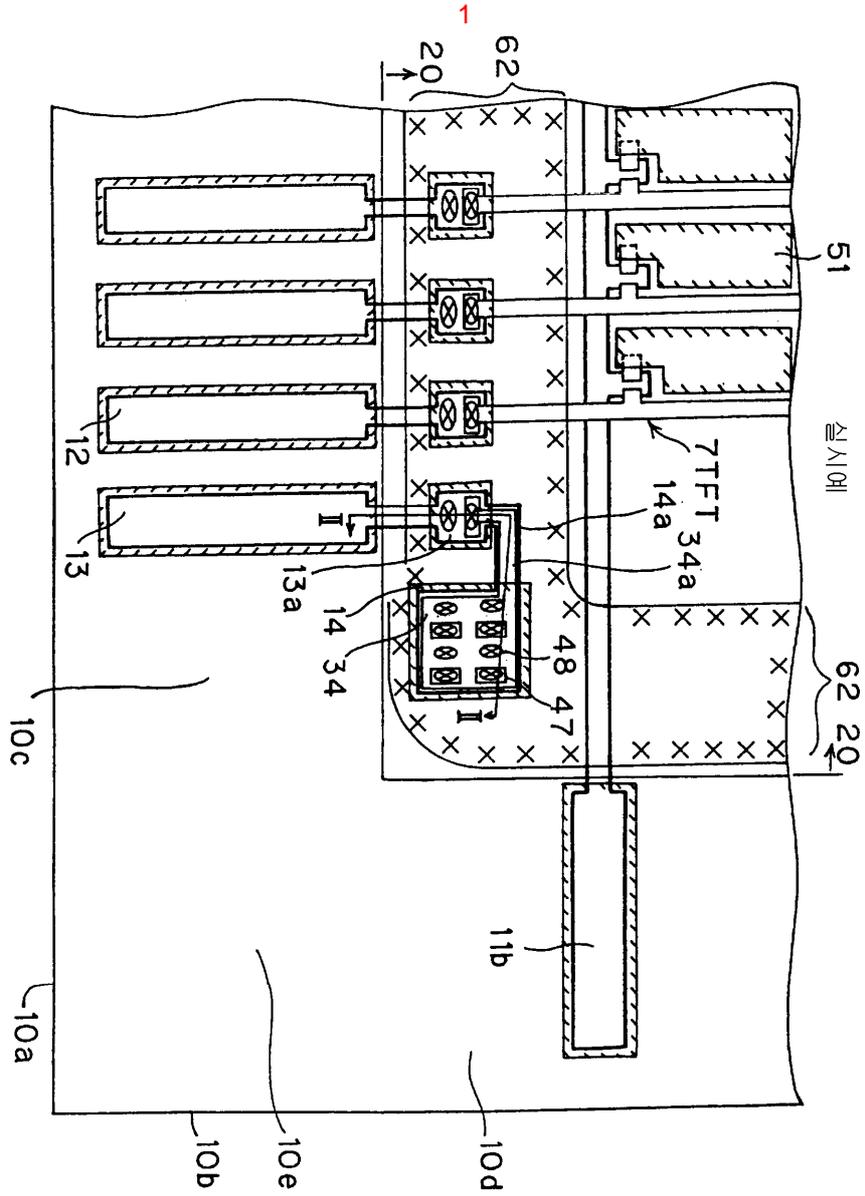
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1

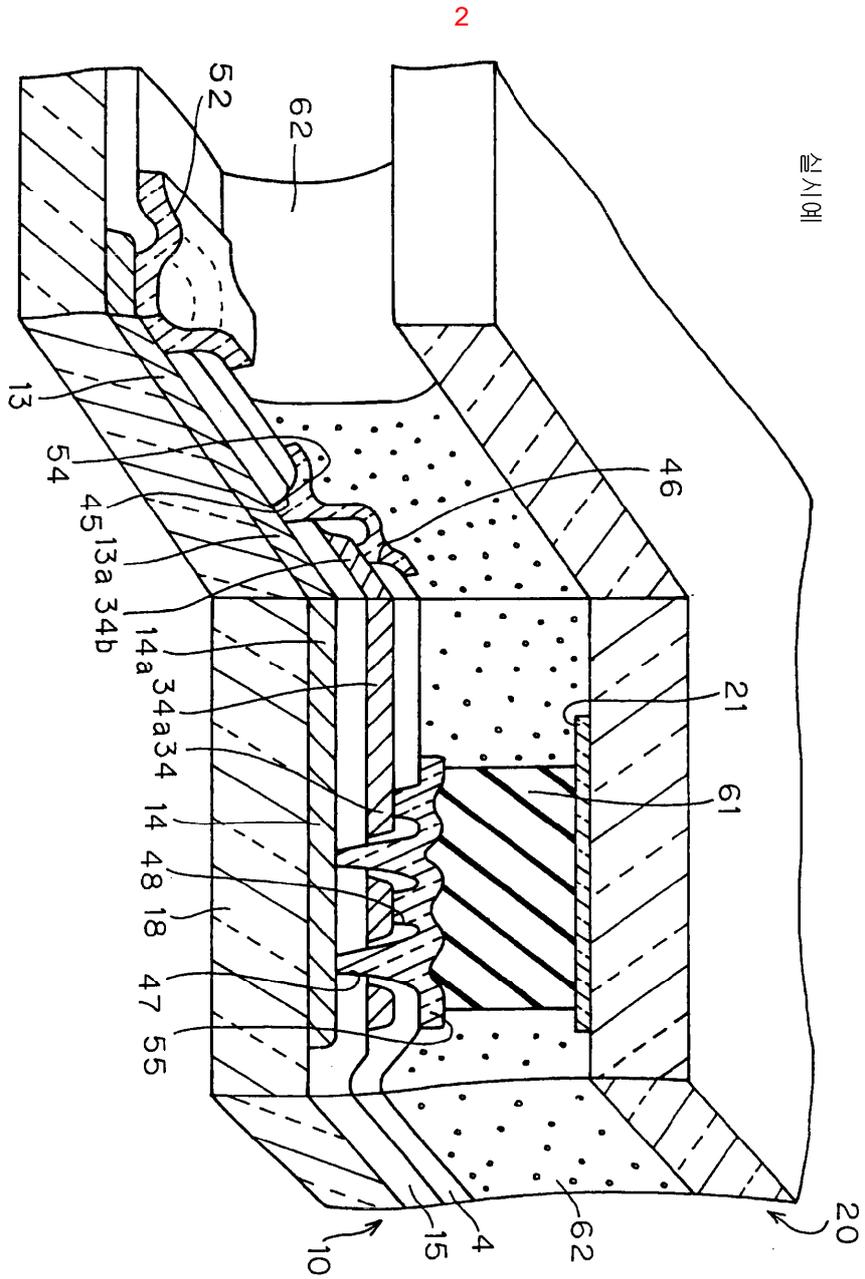
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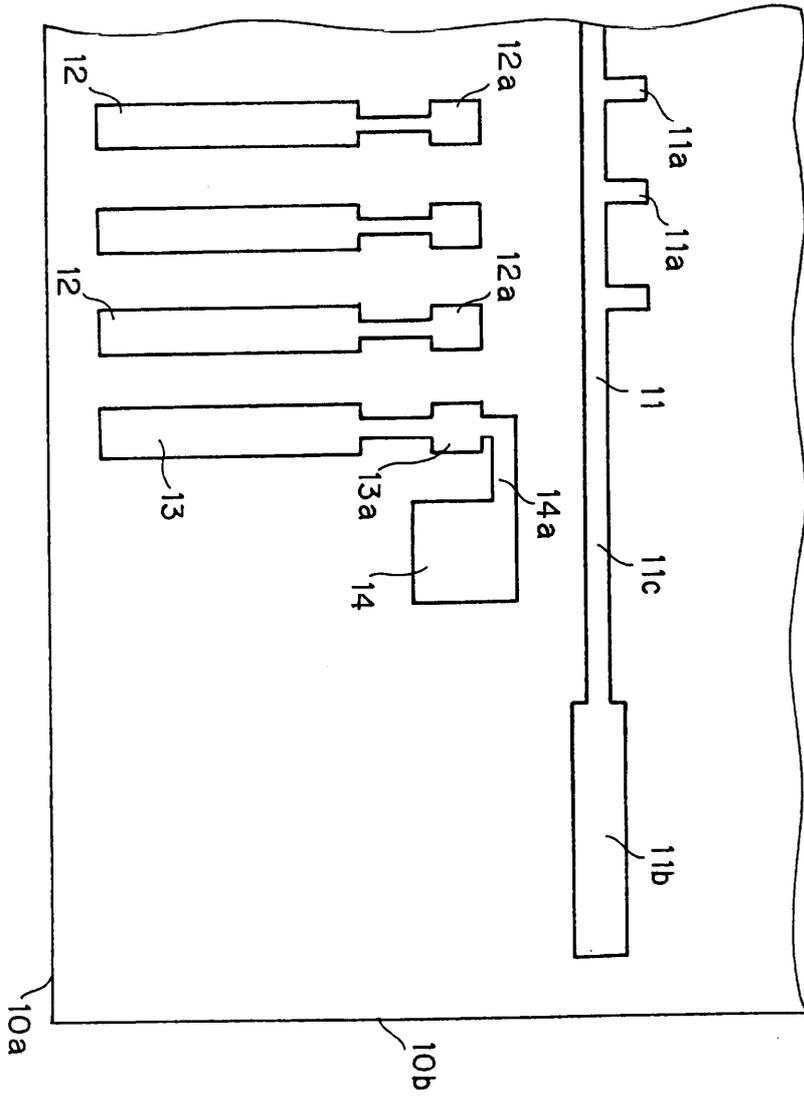
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실시예

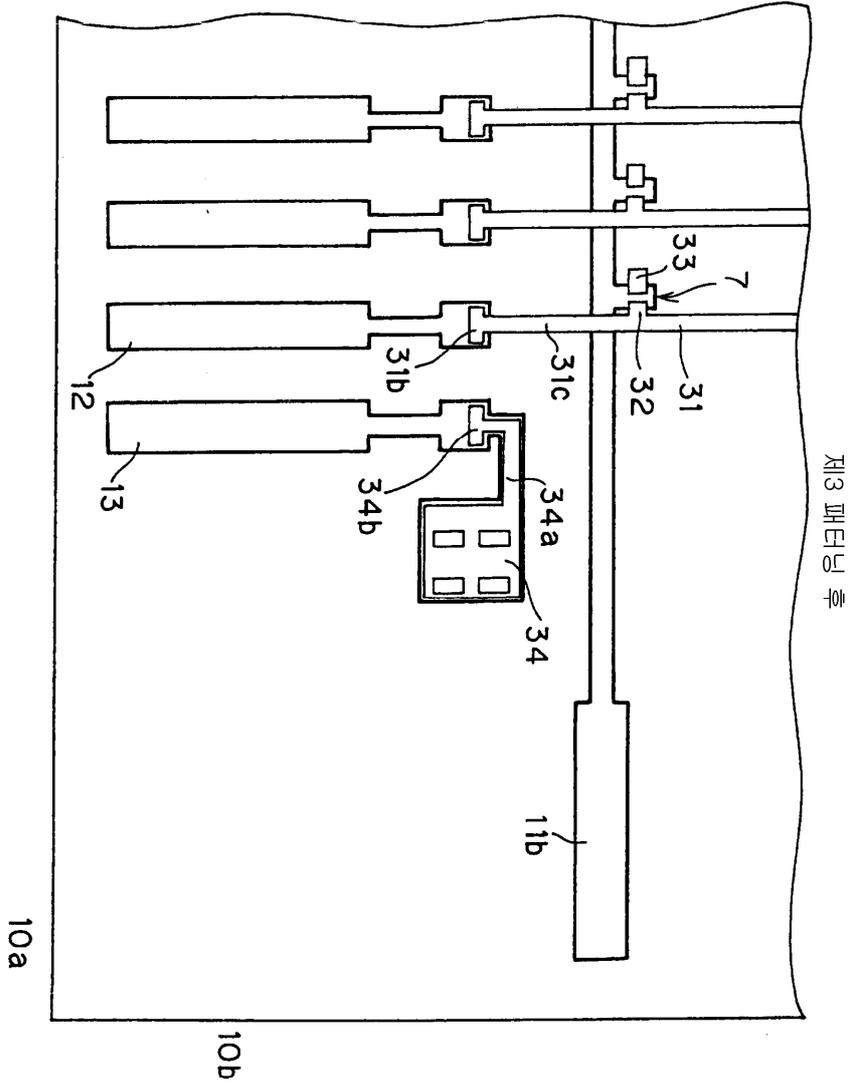


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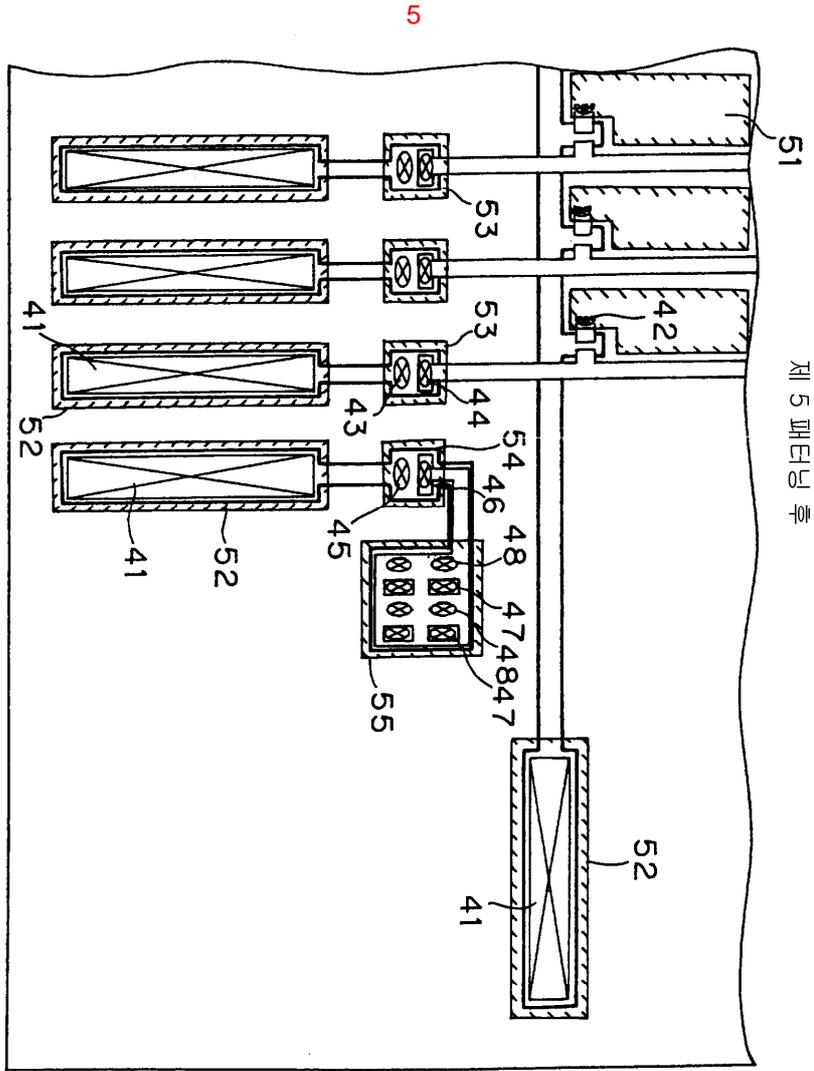


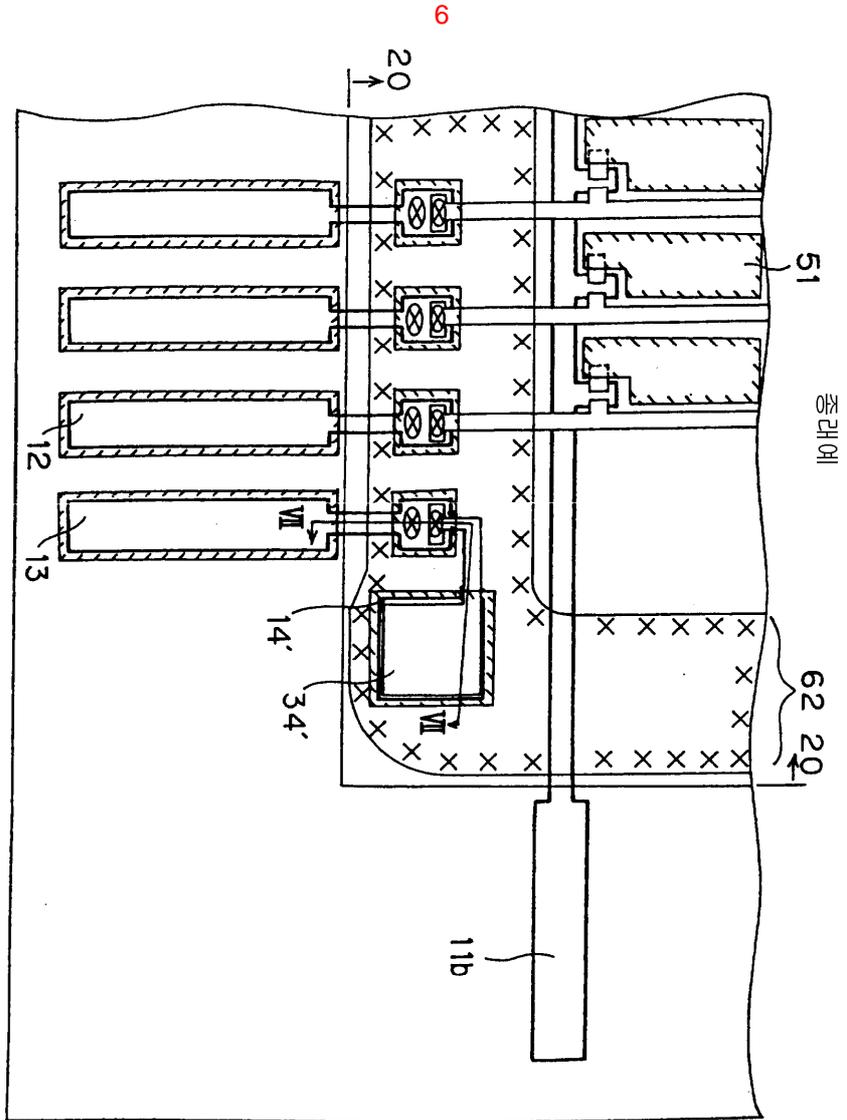
제1 패턴링 후

4

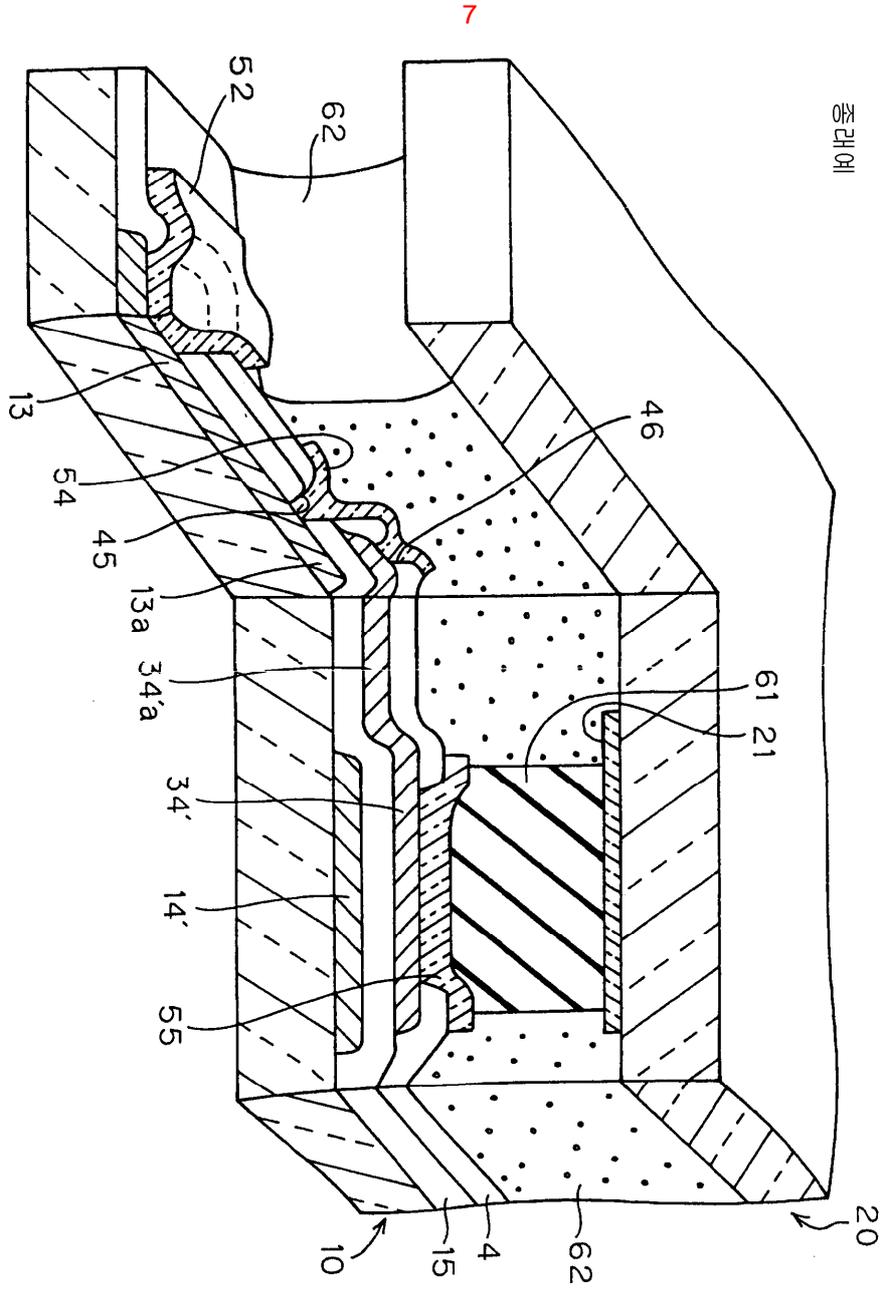


제3 패턴닝 후





종래예



专利名称(译)	液晶显示装置及其制造方法		
公开(公告)号	<a href="#">KR1020030043629A</a>	公开(公告)日	2003-06-02
申请号	KR1020020066826	申请日	2002-10-31
[标]申请(专利权)人(译)	株式会社东芝		
申请(专利权)人(译)	Sikki东芝股份有限公司		
当前申请(专利权)人(译)	Sikki东芝股份有限公司		
[标]发明人	MORIMITSU ATSUSHI		
发明人	MORIMITSU,ATSUSHI		
IPC分类号	G02F1/1362 G02F1/1368 G02F1/1345 G09F9/30 G09F9/00 G09F9/35		
CPC分类号	G02F1/13458 G02F1/1345		
代理人(译)	PARK JANG KYU KIM MYUNG SHIN 金正HO		
优先权	2001360149 2001-11-26 JP		
其他公开文献	KR100475552B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

本发明涉及一种液晶显示装置作为液晶显示装置及其制造方法，用于从连接焊盘设置，断开在供电路径引起在阵列基板上搭载对向基板上的电源（给电），以对置电极的供电路径，预防可以，而且，如在该所提供的通过61衬底之间从34减少对有缺陷的产品率，结果，在阵列基板10上的计数器，一个第一电源端子的导电材料，对置基板20电源通过电极执行时，连接到焊盘13和第一电源端子34中的电源线是由基于铝的金属形成的信号线，并在同一时间的电源布线（34A），同时，通过基于钼的金属所形成的扫描线由冗余（冗长）电源线（14a）连接，该电源布线（34A）首先通过接触孔45和46以及电源baehol（47，48）和用于接触电源端子ITO膜55供给在终端34中，并以周期性方式连接。 2

