

(19)
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2002 - 0036121
2002 05 16

(21) 10 - 2000 - 0066138
(22) 2000 11 08

(71) .
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20

(72) 208 - 1101

(74)

:

(54)

,
,
1 2 ,
가 , 1 2 , ,

4c

1

2a 2e

3

4a 4d

5a 5b 가

6a 6b IPS , 가

33 : 1 35 : 2

36 : 37 :

39 : 40 :

41 :

가

CRT(cathod ray tube)

가 CRT

(flat panel display)

가

tro luminescent display : ELD),
ma display panel : PDP)

(liquid crystal display : LCD),
(field emission display : FED),
가

(elec
(plas

(cost)

(Seal)

(Epoxy) , (Phenol) , (Acryl) 가 ,
 2 가 1

(Cell Gap) 가 , 가 , 가

가 가 가 , 가
 가 가 가 가

1 , 2a 2e

1 (15), TFT (13) (15) (A) TFT (13) (17)

(15) TFT (13)

2a (15) , TFT (13) (15) TFT (13) (16) 2 (16a)

TFT (13) 가

(15) R, G, B , 가

TFT (13) (cell gap) TFT (13) (19) (15) , 2b (15) (17)

2c (17) (21) ,
 2d (21a) TFT (13) (15) (21)

(23) ^{2e}

(17)

(17)가

가

가

1 2

가

1 2

가 가

가

3

4a 4d

(37)
(Oligomer)

(A)
(Polymer)

(37)

" 33"

1

" 35"

2

4a

(A)
2 (35)

1 (33) 2 (35)

1 (33)

(36,36)

a)

가

1 (33) 2 (35)

1 (33) TFT , , ,
 , Al, Cr, Mo, Cu (Sputtering) , ,
 BCB(Benzocyclobutene) CVD(Chemical Vapor Deposition) , ,
 , / , .
 , / , , .
 , 1 .
 2 (35) , R, G, B , ,
 , 가 (Overcoat layer) .
 , 1 (33) 2 (35) , (36)
 , 4b , 2 (35) (37) ,
 1 (33) (39) .
 가 2 (35) , 1 (33) , (37)
 , (37) , 가가
 , 4c , 1 (33) (Polymer)(40)
 (Oligomer)가 가 (41) , 4d , 1 (33)
 2 (35) , (41a)
 , (37)
 , 가 5b .
 , 5a 5b 가 ,
 , 5a , (FLC) (41) (40)
 가 가 , 5b , (40)
 , (41)
 , (40)가 , (41)
 ,

(37) 가
 IPS , TN , STN , VA
 PDLC , FLC , Poly - Si
 , IPS
 (Monomer) (photo polymerization)
 PS(Polymer stabilized) - IPS
 (polymer) IPS
 , IPS (on time) (off time) , PS - IPS
 , 6a , (polymer chain)
 , 6b 가 ,
 가 가
 , 가
 , 가 가
 , 가 가

(57)

1.

1 2 ;
 ;
 가 ;

1 2 ;

2.

1 , 가

3.

1 , .

4.

1 , .

5.

1 , 1 2 .

6.

1 , 1 ,

,

,

/

,

7.

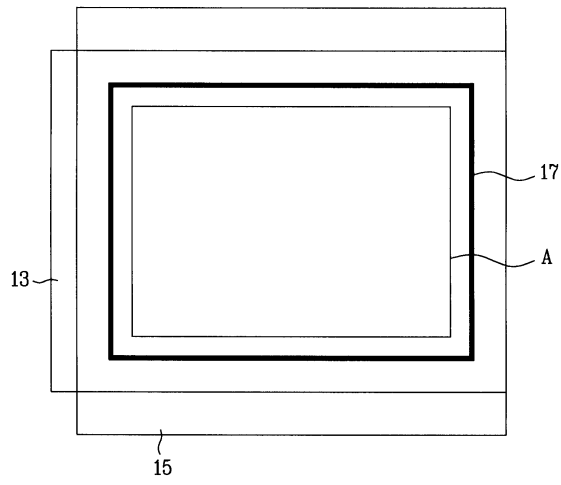
1 , 2 ,

1

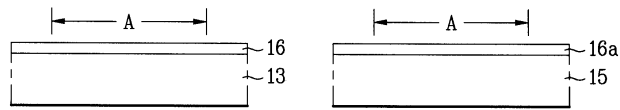
,

가

1



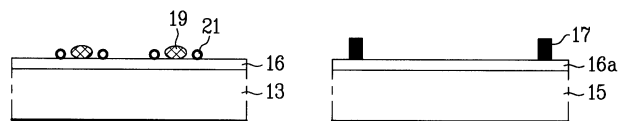
2a



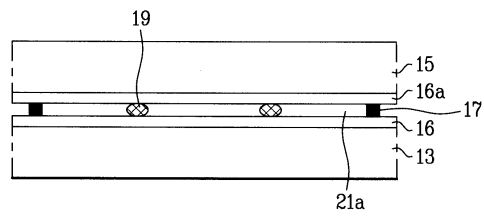
2b



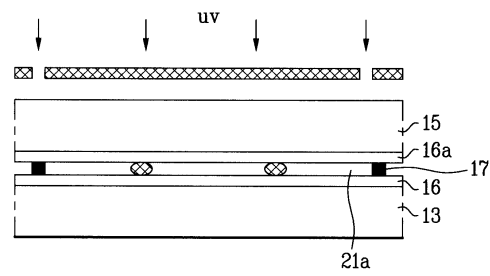
2c



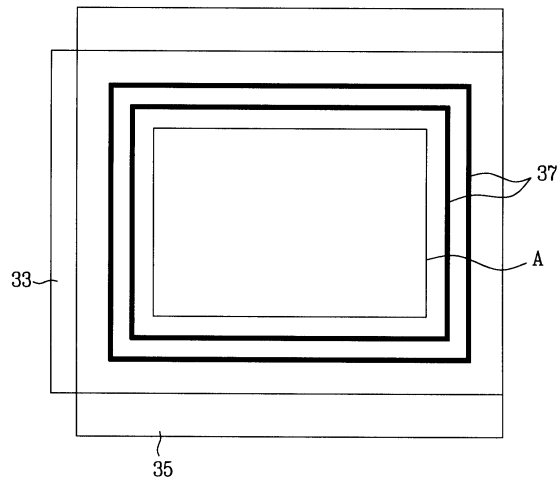
2d



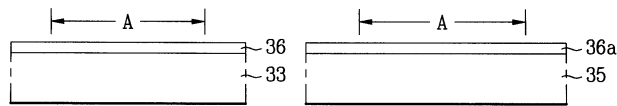
2e



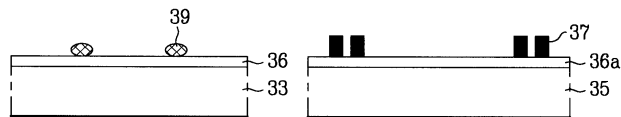
3



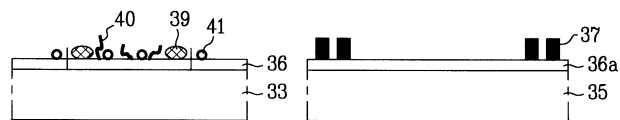
4a



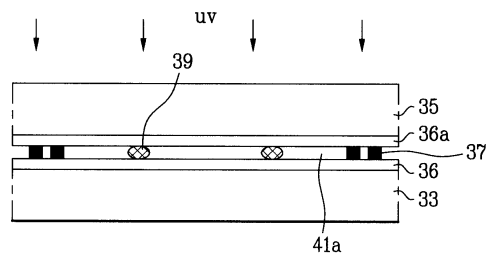
4b



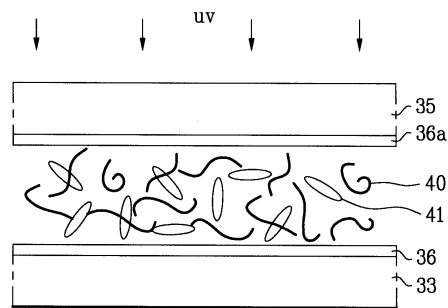
4c



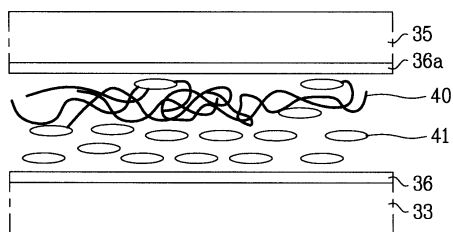
4d



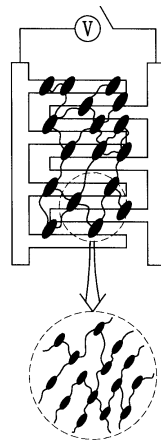
5a



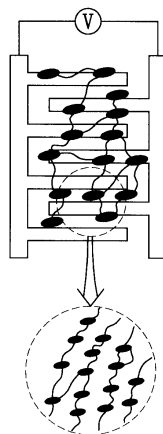
5b



6a



6b



专利名称(译)	液晶显示面板的制造方法		
公开(公告)号	KR1020020036121A	公开(公告)日	2002-05-16
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[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	KIM KYEONG JIN 김경진		
发明人	김경진		
IPC分类号	G02F1/1339 G02F1/1341 G02F1/136		
CPC分类号	G02F1/1341 G02F2001/13415 G02F1/1339		
代理人(译)	金勇 新昌		
其他公开文献	KR100617025B1		
外部链接	Espacenet		

摘要(译)

本发明涉及一种落锤型液晶。并且本发明的液晶显示面板制造方法包括以下步骤：制备第一基板和限定的第二基板的步骤，在一个基板上的有源区附近形成密封剂的步骤，以及光酸产生器在基板上的有源区域内，它是不同的，它洒上添加的液晶，连接第一基板和第二基板的步骤，以及在一个基板的前面照射紫外线以提供液晶显示器的步骤因此，能够防止图像质量下降的面板注入固化紫外线固化密封材料的成本降低及其制造方法。紫外线固化密封材料，光敏聚合物和光敏低聚物。

