

(19)
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(43)2002 - 0080861
2002 10 26(21) 10 - 2001 - 0020708
(22) 2001 04 18

(71) 136 - 1

(72) 102 208

9 539 - 1

(74)

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(54)

가 4 4 4
1 , 2 , 1 4 2 2
가 , 가 가

4

1a 1f 2

2 4 .

3a 3b

4 4 .

5 6 .

< >

10; 12;

14; 31,32;

33,34;

late) , . . . (APR P

가 , 3가 .

가

(TN)

가

1a 1f 2 .

2 , (10) (12) (1a) , (12)

(14) (1b) , (12) (14) (1c) , (12)

(1d) , (14) (1f) .

(1e) , (14)

2 (dot) 가

2 , 2

가 2 .

가 2

20 30 msec (OCB mode; Optically Compensative B and mode)가 (IPS mode; In Plane Switching mode) (WV film: Wide View film)

(APR Plate)

가

4 4 2 2 1 2 4 4

3 2 1 5 4

(roll)

1 2 50 (APR plate; Asai Kasei Photosensitive Resin plate)

1 1 3a 2 (31)

(33) 1 4 4 2 1

, 2 2 . . . , 3b
 , (32)(34) 2 4 4 2 , 2
 .
 가 . . . 가 (Pr
 e Cure) 150 가 (Aging)
 . , (Main Cure) 220 .
 가
 (roller) 가
 . , .
 2 . , 1
 .
 , 4 , 4
 가 .
 , 5 , 4 . . . 4 (a,
 b,c d) . , 6 , 4
 2 . . . 2 4 2 1 (α)
 2 (β) .
 가
 .
 , 가 .
 (WV film) ,
 .
 , 가 ,
 가 가 .

(57)

1.

가 4 4 ,
 1 4 2 2 1 , 2
 4 2 2
 .

2.

1 ,

1 2

3.

2 ,

. 50 .

4.

3 ,

.

5.

1 ,

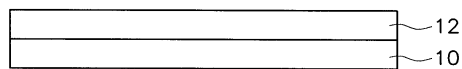
1 2 ,
.

6.

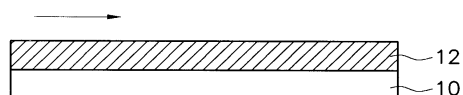
1 ,

1 2 .

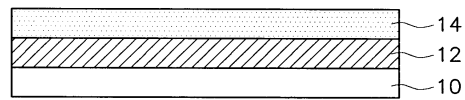
1a



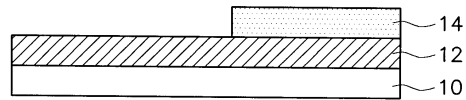
1b



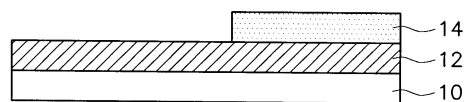
1c



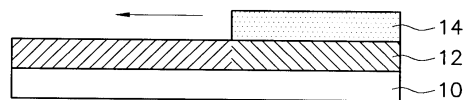
1d



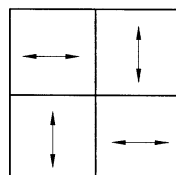
1e



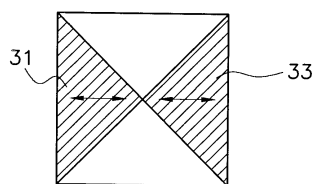
1f



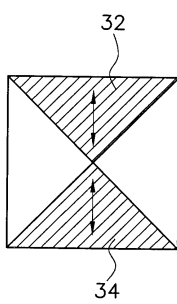
2



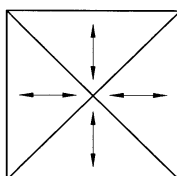
3a



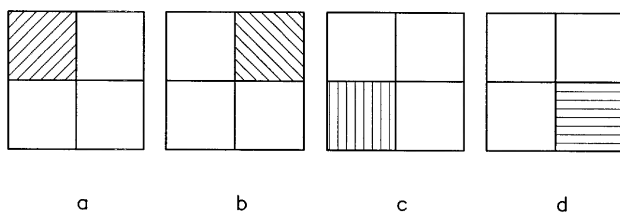
3b



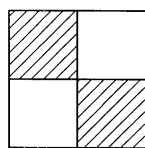
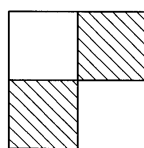
4



5



6

 α  β

专利名称(译)	液晶显示装置的制造方法		
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摘要(译)

本发明涉及液晶显示装置的制造方法。并且宽视角膜不是单独使用的广视角，它由一个像素构成，是在面向分割为对角线方向量的区域内的区域中形成第一取向层的步骤，关于制造液晶的方法配备有4域液晶单元的显示装置使用第一印记板4和2分成前部，并且在2个域中形成第二取向层的步骤在使用第二印记板4划分的域之间形成担保。而传统的Twiss滴答向列模式液晶显示器可以获得快速响应时间。而且，本发明可以在没有单独的处理工具校正或添加的情况下制造，因为类似于使用传统工艺步骤。由于省略了掩模工艺，因此降低成本单价是有利的。

