

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl.⁷
G02F 1/13363
G02F 1/1335

(11)
(43)

10-2005-0006175
2005 01 15

(21)10-2004-7016891
(22)2004 10 21
2004 10 21
(86)PCT/JP2004/002167
(86)2004 02 25

(87)
(87)

WO 2004/077138
2004 09 10

(30)JP - P - 2003 - 00048056 2003 02 25 (JP)

(71)4 1-8 ,

(72), 가 920-1302 가 5-58-3

(74)

:

(54)

(100) , 2 (2) (1)가 (3) , (3)
(4) , (3) (4) (5) , (3)
(4) (3) (5) (3) (3)
(6, 7) , (3) (3) (1) , 90 ° 9
6 ° , Δnd , 110 (nm) Δnd , 400 (nm) (nm) 430 (nm) ,

가 8-122755 WV NH (Δ

nd, ω , NH) NH 가 가

1 , 2 가 1 2 , 2

1 1

nd , 400 (nm) 430 , 90 ° (nm) 96 ° , Δnd , 110 (nm) Δ

120 (nm)

가

1 ,

2 ,

3 ,

4 ,

5 , NH-R

6 , NH-R

7 ,

8 ,

9 ,

10 ,

11 ,

12 ,

1
2
(nm) 430 (nm) 90° 96° Δnd 110 Δnd 400 (nm)
120 TFT
10
1.25
1 2
2
1 (100) TFT (100) 3 TFT TFT 2 (100) TFT
(100) 4 TFT (100)
TFT (100) (3) (1)가 Δnd 400 (3) 2 (1) (2) 90°
96° (2) (3)
TFT (100) (4) (4) (3)
TFT (100) (5) (5) (3) (4)
(3) TFT (100) (6) (6) NH (4) (3)
(3) TFT (100) (7) (7) NH (5) (3) (nm)
(6) (7) Δnd 110 (nm) 120 (nm)
(4) (11) 94° (1) 96° (12) (5) (1) (13) (5) (16)
(6) (7) (3) (2) (4) (6)
(6) (5) (7)
TFT (1) (100) (8) (5) (3) (8) (3)
TFT (100) 10 1.25

TFT (8) (100) (8)가 (5) (5) (3) (2) (1) (2)
 (3) (6) (4) (3)
 5 TFT TFT (100) NH-R
 TFT (100) (3) Δnd , 420 (nm)
 (6) (7) (主視角)
 (反主視角)
 6 TFT (100) NH-R (3)
 Δnd , 420 (nm) 96 ° (3) Δnd 400 (nm) (1) 430
 90 ° (nm)
 7 TFT (100) 7 TFT (3)
 Δnd , 420 (nm) 가 (100)
 8 TFT (100) 8 TFT (100)
 Δnd , 420 (nm)
 9 TFT (100) 12
 10 TFT (100) 12 TFT
 12
 11 TFT TFT 6
 TFT 1 (7)
 (6)
 9 2 NH TFT (100) 11 1 N
 H TFT 12 6
 가 1 NH TFT
 1 (7) (6)
 (6) (7)
 (3) (3) (4)
 (3) (5) (3) 90 ° 96 ° (6, 7) (3)
 Δnd , 400 (nm) 120 (nm) 430 (nm) Δnd , 110
 TFT
 12 TFT (100) (200)
 TFT (100) (21) (200)
 (21) (28) (28)

가

(57)

2 1. 가 , 1 , 1 2 , 1 2 90 ° 96 ° , Δnd , 400 (nm) 430 (nm) , Δnd , 110 (nm) 120 (nm) .

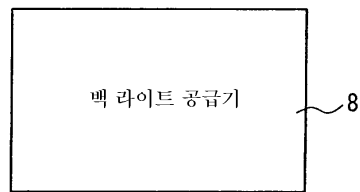
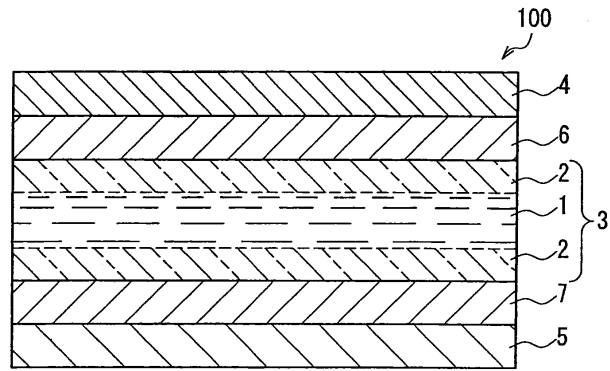
1 2. , 1.25 .

1 3. , 1 2 .

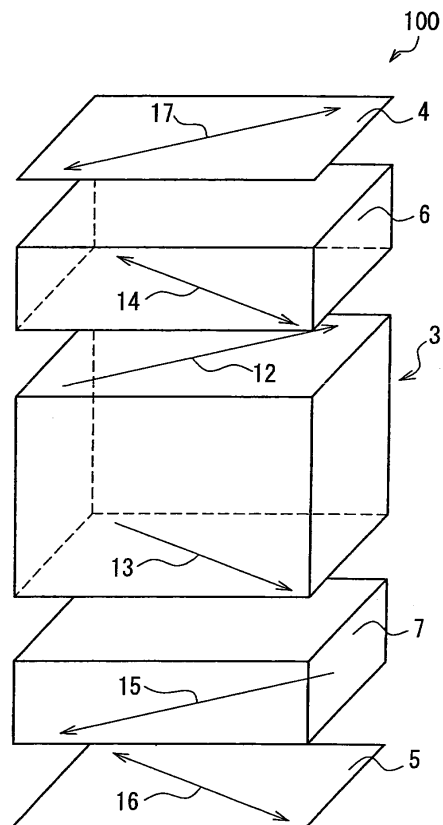
1 4. , 2 .

5. , 가 1 .

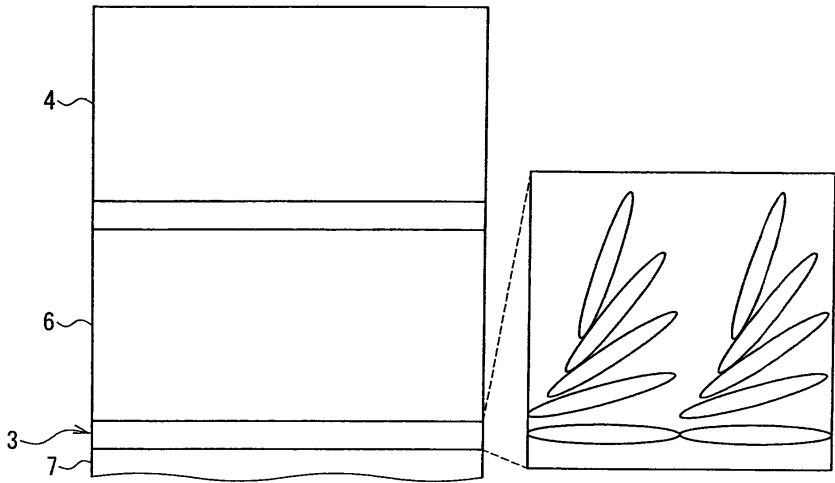
1



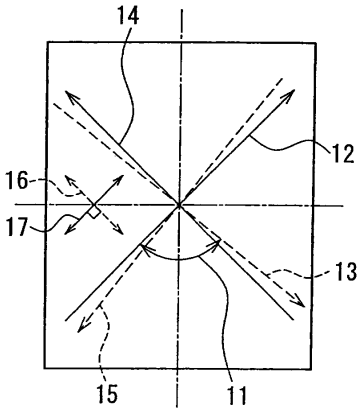
2



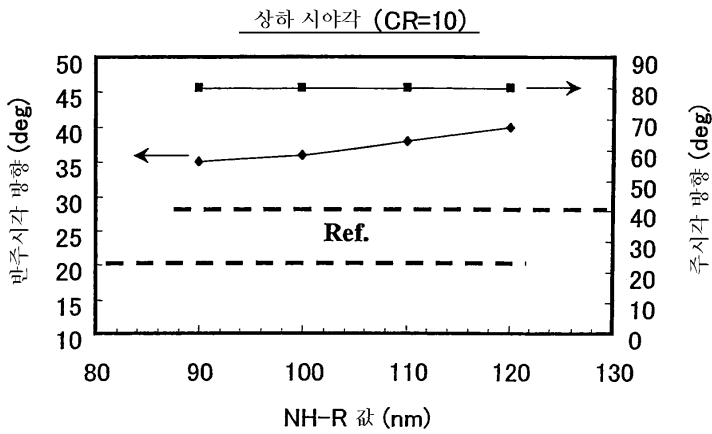
3



4

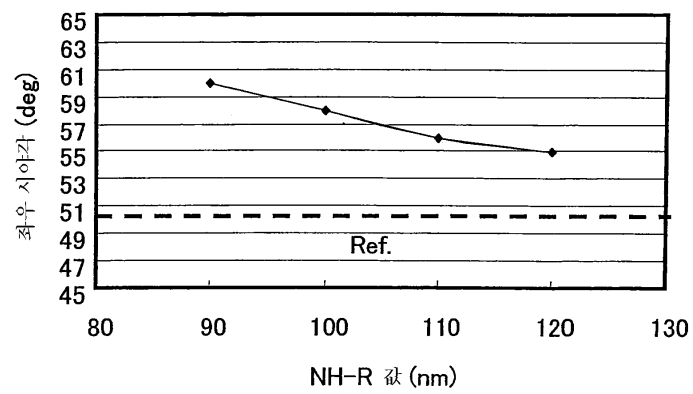


5



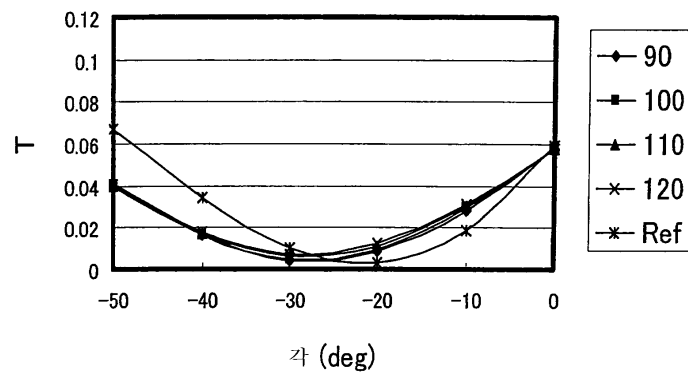
6

좌우 시야각 (CR=10)



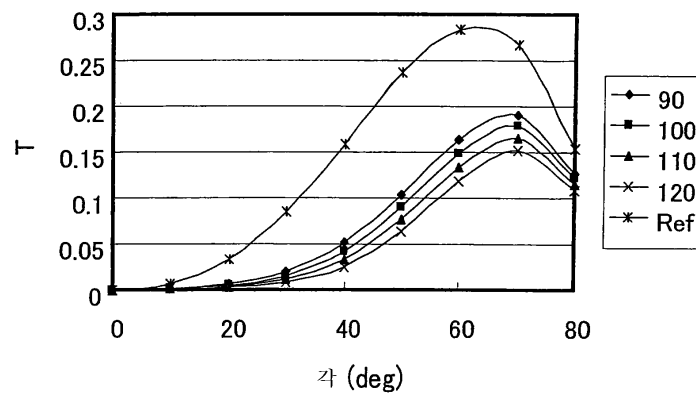
7

계조 반전(주시각 방향)

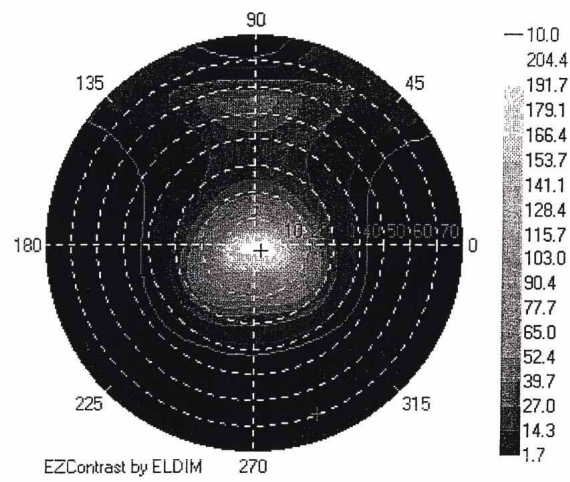


8

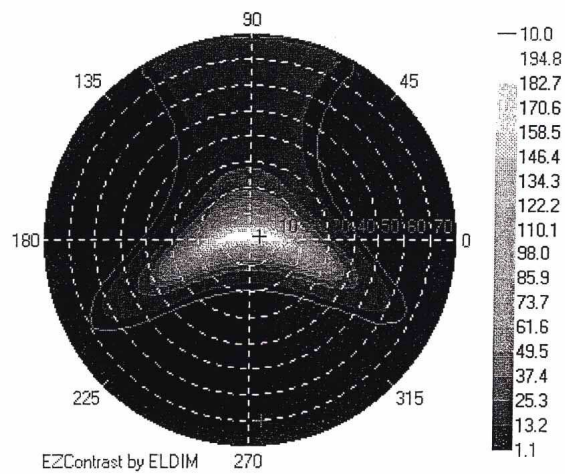
흑 들뜸 방향(반주시각 방향)



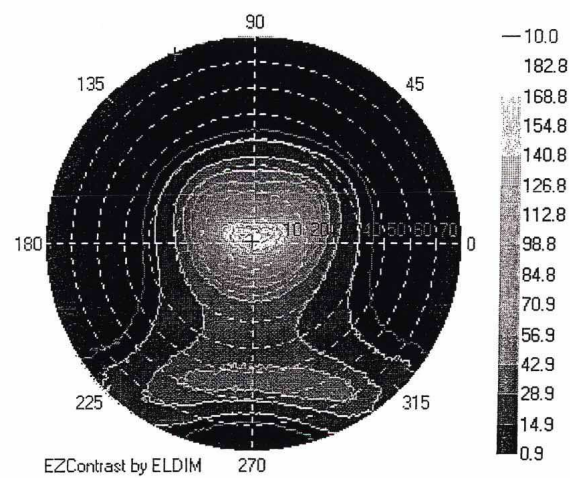
9



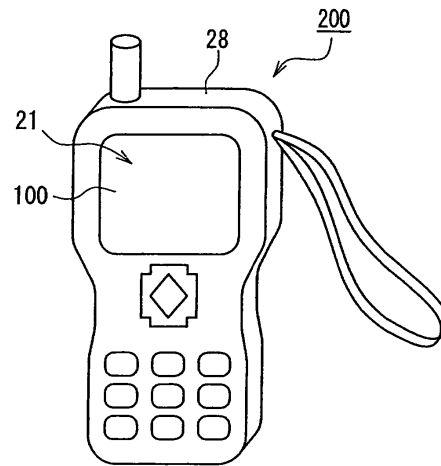
10



11



12



专利名称(译)	液晶显示元件		
公开(公告)号	KR1020050006175A	公开(公告)日	2005-01-15
申请号	KR1020047016891	申请日	2004-02-25
申请(专利权)人(译)	可否让我这个小粉丝展示中心		
当前申请(专利权)人(译)	可否让我这个小粉丝展示中心		
[标]发明人	JOTEN KAZUHIRO		
发明人	JOTEN,KAZUHIRO		
IPC分类号	G02F1/139 G02F1/1335 G02F1/13363		
CPC分类号	G02F2202/40 G02F1/13363 G02F2413/02 G02F1/1396		
代理人(译)	LEE , JUNG HEE CHANG, SOO KIL		
优先权	2003048056 2003-02-25 JP		
外部链接	Espacenet		

摘要(译)

液晶显示装置 (100) 包括设置在液晶面板 (3) 间隔和偏振板 (5) 与液晶面板 (3) 之间的光学膜 (6,7) 。并且, 密封在液晶面板 (3) 中的液晶分子 (1) 的扭曲角可以是光学膜的延迟 $\Delta n d$, 在120纳米 (nm) 以上的延迟 $\Delta n d$ 为120纳米 (nm) 以下。液晶面板 (3) 在400纳米 (nm) 以上为430纳米 (nm) 以下, 大于 90° , 靶角为 96° 。延迟, 光学膜, 液晶面板, 偏振片, 扭曲角。

