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(71) , , 1

(72) , 5656, 6
, 5656, 6
, 5656, 6
, 5656, 6

(74) :

(54)

, (4), (5),
RGB 가 (6)
(3+2n)λ/4
R
, (5) 180 270 °
, n = 0, 1, 2, 3... .

(retardation) ,
(cholesteric) ,
(LCD) 가
able) PDA LCD (demanding) LCD TV (port
(high end) LCD LCD
5,555,114 , 가
(super) (polariser), $\frac{1}{4}$
(ferro-electric),
5,555,114 (contrast) 가 가
(electro-optical) (cross linked),
180 ° 270 °
R 가 $(3+2n)\lambda/4$, n = 0, 1, 2, 3...
(multiplexable) 가
 $\frac{1}{4}$, $\frac{1}{4}$, $\frac{1}{2}$
가

2 1 .

3a , .

3b 3a , .

4a , .

4b 4a , .

1 180 ° 270 °
 가 , (7) (8) 2 , , LC
 (5) (5) (4) 1/2 (2)
 (1) (3) (4) (5) (10)
 1/4 (14) (7) (5) (8) , LC
 LC (13), 2 (11), (6) (5) (10, 11) (13, 14)
 (6) (9) 1 2 (10, 11) (13, 14)
) , 1 2 (10, 11) (ITO) ,
 (5) 가 (12) 가 , (13, 1
 4) , , PI .

(6)
 가 (chiral) (mesophase) .

$$\lambda = n \cdot p$$

{ λ , n , p (pitch) } , (Bragg)
 (left handed) (right handed)
 (handedness)
 $p \cdot n_e$ $p \cdot n_o$ 가 , n_e n_o
 (uniaxially oriented)

(grayscale) 가

WO/0034808 ,

(subsequent deposition)

3 (lithographic)

(4)() 1/2 (2) 1/4 (3) 2 ,
 1/4 (4) ,

2 .

3a 3b 1 3a ,
 0.76 μ m 가 LC (5) 240 °
 (2, 3) . 140nm 가 (1) (7) , 2
 (3)

280nm $\frac{1}{2}$ (2) 가 , $\frac{1}{4}$ y- 30 ° . $\frac{1}{2}$ (2) y- 170 °
 (3) y- 110 ° LC (5) 315nm ($\approx$
 $1/2 \cdot \lambda$). (8) 가 , 3b
 , 가
 4a 4b 가 , 2 4a ,
 $0.76\mu\text{m}$ 가 LC (5) 가 (1) (7) ,
 2 (2, 3) . 140nm (3)
 280nm $\frac{1}{2}$ (2) 가 , $\frac{1}{4}$ y- 30 ° . $\frac{1}{2}$ (2) y- 0
 (3) y- 120 ° LC (5) 315nm ($\approx$
 $\approx 1/2 \cdot \lambda$). (8) 가 , 4b
 , 가
 3 LC 가
 1 가 2 0.85 μm (, 0.79 μm) 가 , 230 250 ° (, 245 °
) 가 240 ° 가 0.82 μm
 LC 가 (1) (7) ,
 2 (2, 3) . 140nm (3)
 280nm $\frac{1}{2}$ (2) 가 , $\frac{1}{4}$ y- 40 ° . $\frac{1}{2}$ (2) y- 12
 (3) y- 100 ° (8) ,
 ,
 N 가 , 가 ST
 , 240 ° 가
 , 10% 가

가

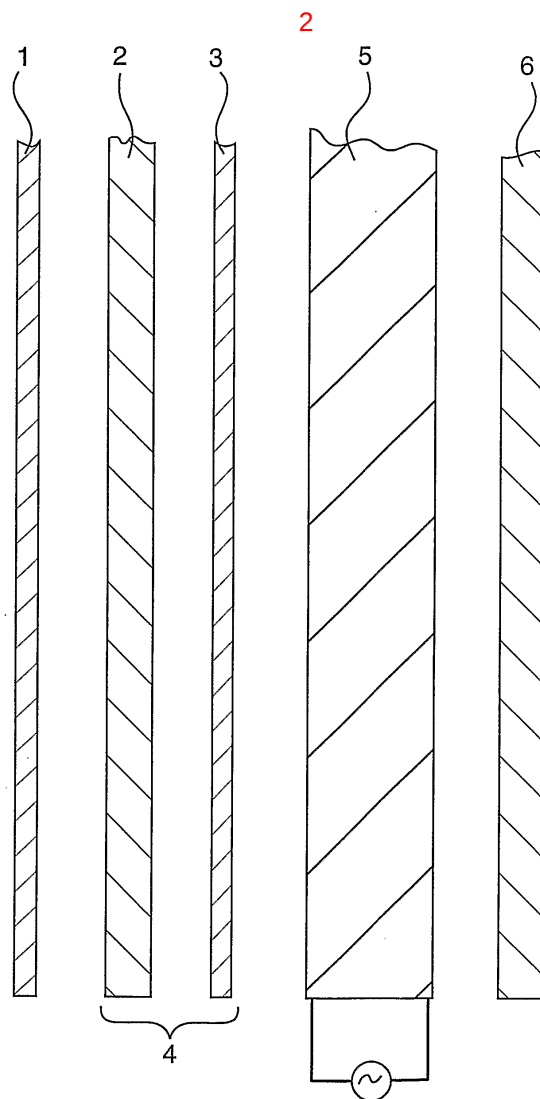
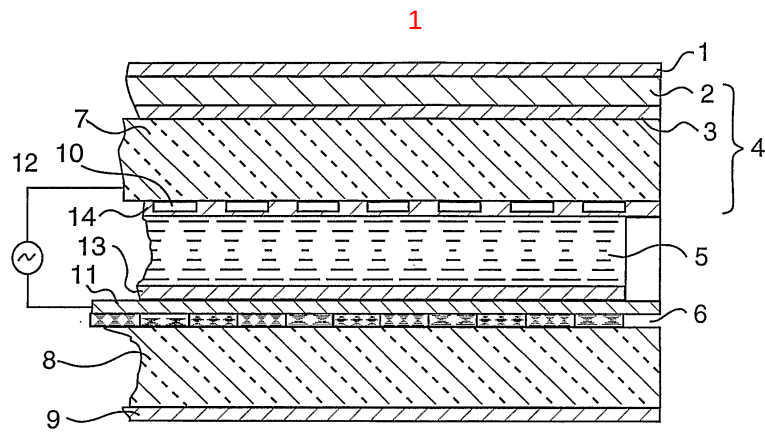
가

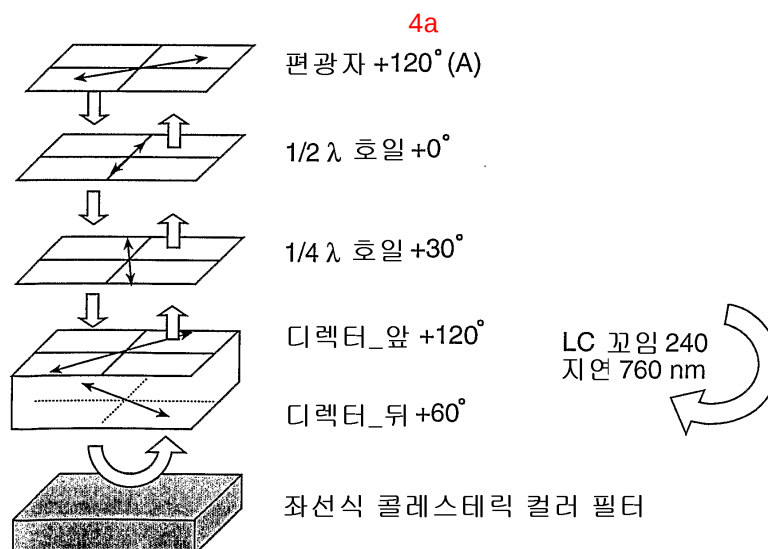
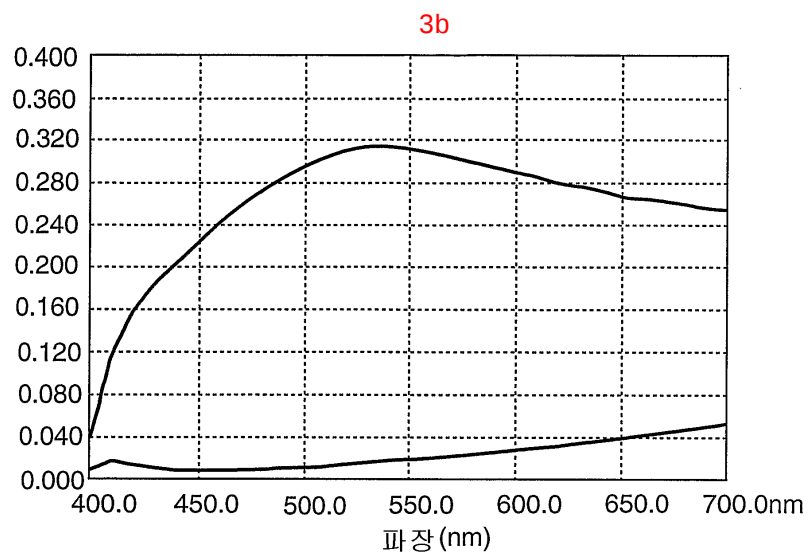
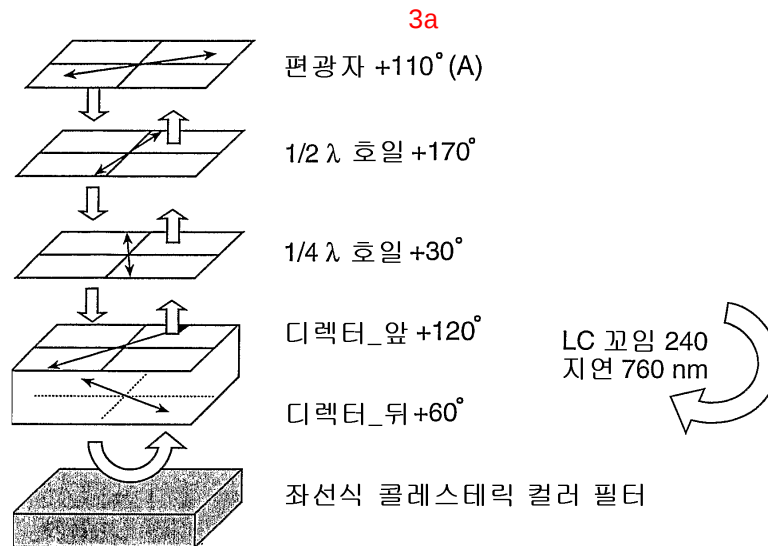
가 .

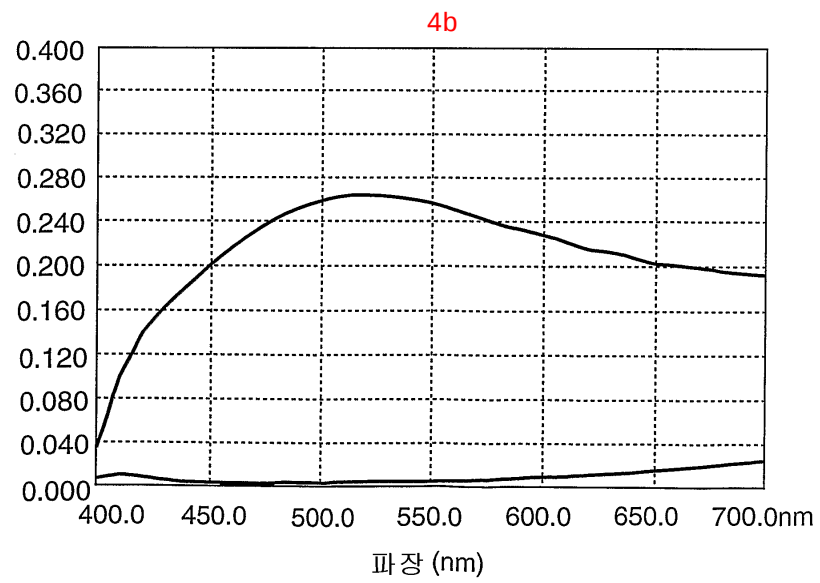
(57)

1.
 (1), (4), (5), - (cross-linked), RG
 B (6) ,
 (5) 180 270 ° 가 ,
 () R $R=(3+2n) \lambda /4$, $n = 0, 1, 2, 3 \dots$
 ,

- 2.
- 1 , (4) (1) (5)
- 3.
- 2 , (4) $\frac{1}{4}$,
- 4.
- 2 , (4) $\frac{1}{4}$,
- 5.
- 4 , $\frac{1}{4}$ 가 2 ,
- 6.
- 1 , (1), (4), (5),
 RGB (6)가 ,
- 7.
- 1 , (1) y- 105° 115° ,
 가 y- 1 2 (2. 3) 1 280nm 가
 y- 170° 2 (2) 140nm
 y- 25° 35° (3) 1 2
 $\frac{1}{4}$ (slow) 가 (5)
 315nm($\approx 1/2 \cdot \lambda$) 가 , 0.76 μ m 가 (right-handed)
 235° 245° (8) (left-handed)
 가 ,
- 8.
- 1 , (1) y- 115° 125° ,
 1 2 (2. 3) 1 280nm 가
 y- y- 25° $\pm 5^\circ$ 35° , 2 (3) 140nm 가
 $\frac{1}{4}$ (slow) 가 , 1 2
 $\approx 1/2 \cdot \lambda$ 가 , 0.76 μ m 가 (5) 315nm(
 , (8) 가 235° 245°
- 9.
- 1 , ,
- 10.
- 9 , (5)
 가 ,
- 11.
- 9 10 , (1) y- 115°
 125° 1 2 (2. 3) 1 2 (2)
 280nm 가 y- 0° , 2 (3)
 140nm 가 y- 25° 35° 가 1
 2 $\frac{1}{4}$, (5)
 가 가 0.75 0.85 μ m
 230 250° 315nm($\approx 1/2 \cdot \lambda$)
 가 , 0.82 μ m 가 -235° -245°
 , (8) 가 ,







专利名称(译)	反光液晶显示器		
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外部链接	Espacenet		

摘要(译)

液晶显示装置本发明涉及一种液晶显示装置，该装置包括至少一个延迟膜（4），向列液晶层（5）和胆甾型光反射RGB图案胆甾型液晶，用于基本上反射左-其中液晶层（5）是扭曲向列液晶层，其扭曲角在180至270度范围内，延迟膜或延迟膜和液晶层延迟R的特征在于大约等于。其中 $n = 0, 1, 2, 3 \dots 1$

