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2001 01 26

(30) 99-167708 1999 06 15 (JP)

(73) 가 가 5 7 1

(72) 5 7 1 가 가

5 7 1 가 가

(74)

:

(54) ,

1/4 (111GB/111RB/111RG) , (107) (109) (103R/103G/103B)  
(110) , 가 . ,

3

1  
2 8-234196  
3

가 1 (back light source : 209) (201) (208) (209) (208) (202) (207) (202,207), (203R, 203G, 203B) (202) (206) (207) (203R/203G/203B) (204) (206) (207) (203R, 203G, 203B) (赤色) (綠色) (青色) (203R, 203G, 203B) (203R/203G/203B) (204) (202) (206) (207) (205) (206) (202,207) (204) (206) 가 가 (209) (206) (203R/203G/203B) (206) (204) (203R/203G/230B) (203R/203G/203B) 가 2/3 (203R/203G/203B) 1/3 1 (206) (203R/203G/203B) 1 8-234196 (cholesteric filter) 2 (10) (12) (16) (10) (18) (10) (12) (16) (18) (10), (12), (16) (18) (18) 2 (20,22) (20/22) R, G, B R (20) R/G/B B (22) R/G/B B 가 R (18) B 가 G 2/3 (18) 가 가 가 R/G/B, 2

(electric shutter)

(right-handed)

(left-handed)

3	(101)	(109)	가 , 가 , 가	(101), (109)	(109)
	(109)	(109)	가	(diffusion sheet),	(half-mirror)
	(106), 1/4 (107)	(102,107), (110),	(103R/103G/103B), (111GB/111RB/111RG)	(104),	(105), (102)
	(104) (107)	(102)	(102)	(111GB/111RB/111RG)	(107)
		, 1/4	(110)	(103R/103G/103B)	

1/4 (110) (106), (104), (105) (106) (103R/103G/103B)

(104) (106) (106) 가 (103R, 103G, 103B)

(111GB/111RB/111RG) 111 (103R, 103G, 103B)

GB, 111RB, 111RG (111GB, 111RB, 111RG) (111GB/111RB/111RG) (101)

(111GB) 3 (111GB) 2 가 1 2 3

2 (111RB) 3 (111RB) 2 가 1 2 3

(111RG) 3 (111RG) 2 가 1 2 3

1/4 (110) 가 가 가 가

1/4 (110) 1/4 (110) (lag axis) (111G B/111RB/111RG) (107)

가 (111GB/111RG/111RB) (111GB/111RG/111RB) 1/4 (110) (103R)

(103G) (103B) (103R/103G/103B) (107)

(111GB, 111RB, 111RG) (103R, 103G, 103B) (111GB) (121)

(107) (111GB) (GB) (GB) (12) (123) (109)

2a) 1/4 (110) (122a) 1/4 (110) (122b) 1/4 (110) (122a')

(122a) (122a') (106/105/104) (122a')

103R)



1 1 (111GB), 2 (111RB), c) 3 (111RG) (103R), e) 2 (103B) 1 (103G), 3 1 (103B)

2.

3.

1 (122a) d) 1/4 (110)

4.

5.

1 (122a) b) (104/105/106)

6.

(101/107), (106), (104), (104), (106) (104) (105) (104), (122b) (12

2a) (123/124) (107)

(111GB/111RB/111RG), (110), (103R/103G/103B)

(122a) 1 3 1

2 2 3 3 1

1 2 (111RB), 1 (111GB),

3 (111RG) 2 (111RB) 1 (103R), 3 1 2

1 (111GB) 2 (111RB) 3 (111RG) (103G), 3 (103B)

7.

8.

9.

6 1 (111GB) , 1 가 1

2 (111RB) , 2 가 2

3 (111RG) , 3 가 3

1 2 3

2 1 3

3 1 2

10.

6

1, 2, 3 10 120

11.

(102/107);

(106), (105), (104),

;

(123/124)

(109)

(122b)

(122a)

(107)

(111GB/111RB/111RG),

122a)

(122a')

(110),

(103R/103G/

103B)

(122a) , 1

1

2

2

3

3

1

1

(111GB),

2

2

(111RB),

3

3

(111RG)

1

1

(111GB)

1

(103R),

2

2

(111RB)

2

(103G),

3

3

(111RG)

3

(103B)

12.

13.

14.

11

1 (111GB) , 1 가 1

1

2

3

2 (111RB) , 2 가 2

2

1

3

3 (111RG) , 3 가 3

3

1

2

15.

14

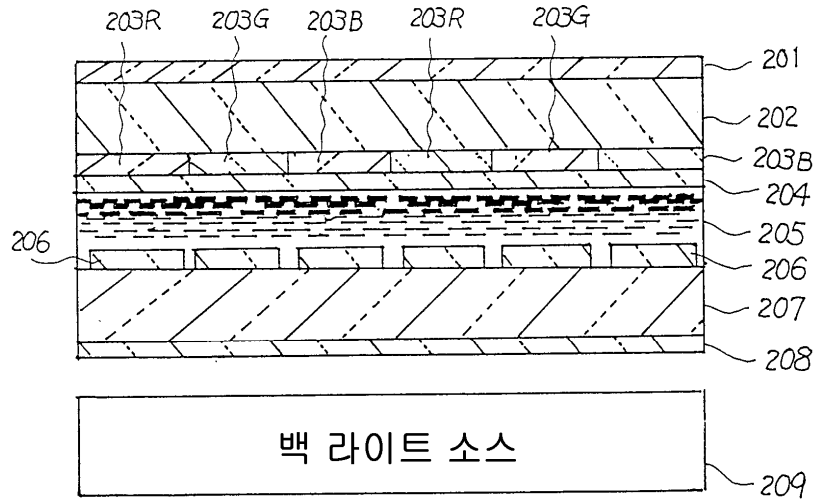
1, 2, 3 10 120

16.

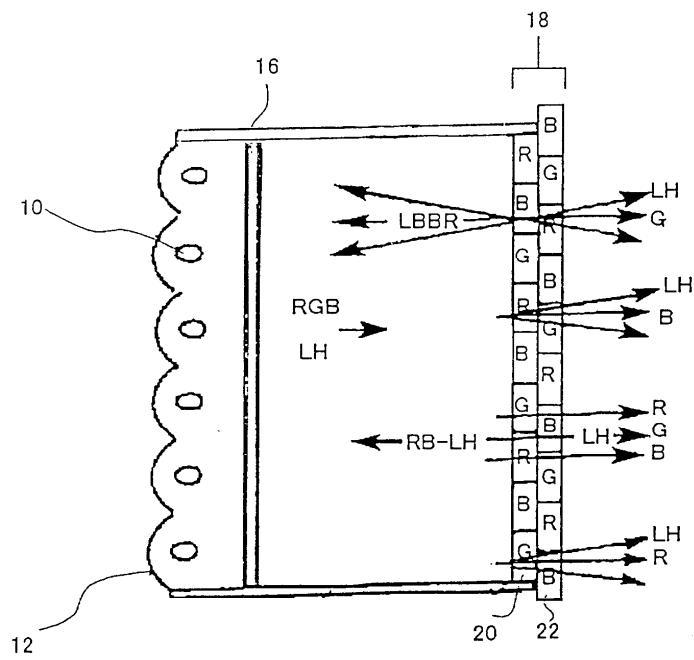
11

(101)

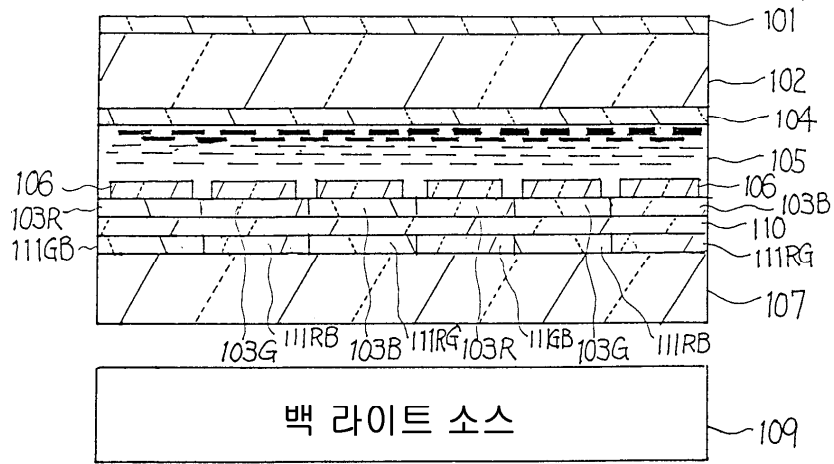
1  
종래 기술



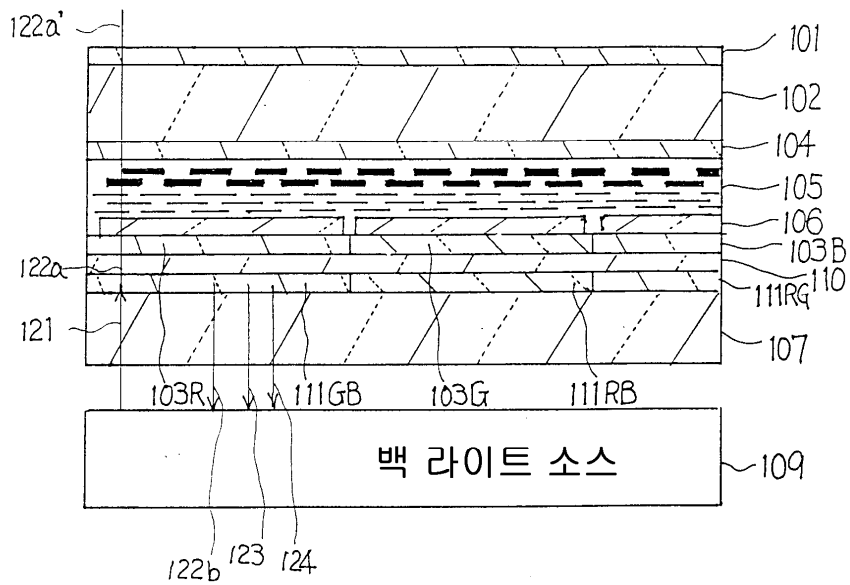
2  
종래 기술



3



4



专利名称(译)	一种在液晶面板，液晶面板和液晶显示器上产生图像的方法		
公开(公告)号	<a href="#">KR100382375B1</a>	公开(公告)日	2003-05-01
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申请(专利权)人(译)	日本电气有限公司sikki		
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其他公开文献	KR1020010007393A		
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摘要(译)

液晶面板具有胆甾型滤光器111GB / 111RB / 111RG和介于玻璃基板107和滤色器元件103R / 103G / 103B之间的1/4波片110。滤光器的每个部分反射原色的圆偏振光分量，该圆偏振光分量不同于指向光源109的三原色中的任何一个的圆偏振光分量或者一个旋转方向，并重新使用这些圆偏振光分量，可以在不增加功率的情况下提高入射光的利用效率。3 指数方面 液晶显示器，胆甾型滤光片，圆偏振元件

