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(A)

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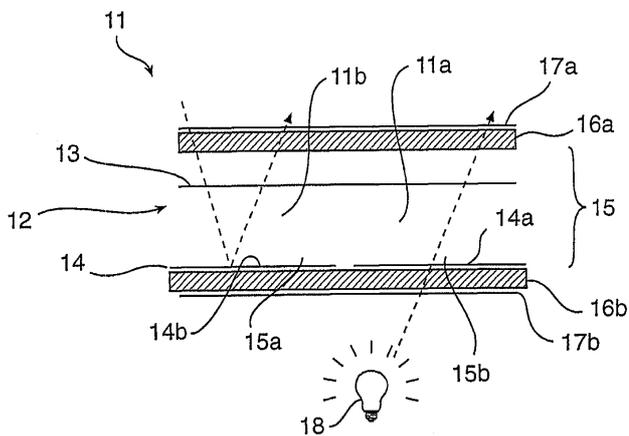
(87) wo 2003/048847  
(87) 2003 06 12

(30) 01204716.3 2001 12 06 EP(EP)  
(71) -5621 1  
(72) -5656 6  
(74)

:

(54)

1 2 (11b) 2 (11a) 1







2 1 2 가 , 1 (15a)  
 (V1)

, 가 ,

, 1

1

, 1 1 2 가 ,  
 1 2 2

1

2 2 ,

1 2 가 , 1  
 2 가 ,

1 ,

2 1 ,

3 2 2 ,

4 ,

5 57° ,

6 63°/90° ,

7a 63° ,

7b 63° ,

7c 63°/90° .

1 (11)가 /  
 (12) (12) 1 (13) 1 (14) (12)  
 (11) ( ) (13, 14)  
 1



가 .

4 , (17a, 17b) (12) LC (director) 45 . 1  
 , d n/ =0.5 , || = 2 , =8.3  
 . 2 4 (T1) u<sub>eff</sub>  
 , 1 50% T2 , 1.5 4.5V  
 (C<sub>1</sub>) 가 1.26V 2.57V  
 45% 72% 가 .

5 57° ) 1 LC 30 , d n/ =0.88 (17a)  
 , || = 3.6 , =6.7 , 37%  
 5 가 1.3V 2V , 가 1.3V 2V  
 , 가 1.5V 2.8V , 가 1.6V 2.7V  
 , 90% 가 .  
 , 82% 가 .

가 .

가 .

1 (C<sub>T</sub>)  
 , (C<sub>R</sub>, C<sub>T</sub>) , 1 (C<sub>1</sub>)  
 , (C<sub>R</sub>)  
 가

가 . 가 , 2 ( )  
 /

3 가 6 . 6  
 가 63° , d n/ =0.75 , 가 ( || = 3.6 , =6.7  
 . 6 ) , 가 40% 80% 가 . 2 90°  
 , 가 가

90% 3.8V 1.6V , 2.5V 1.3V 가 . 63°  
 , 1.9V ,

75%

7a 2.5V . 7b  
 , 7c 90° . 3 , 가 25  
 , 25 7b 7c , 가 25  
 63° 90° .  
 가 .



2 4. 3 ,  
1 (C 1)

2 5. 4 ,  
2 가,

5 6. ,  
2 2 (C 2)

1 7. 6 ,  
1 2

2 8. 7 ,

가

9. (11) (addressing)  
- 11b) 1 (15a) 1 (11a) 2 (15b) 2 ( )  
1 1 (V1) 가 ,  
2 2 (V2) 가 ,  
1 2

9 10. ,  
1 ,  
가 2 (V2) (VTOT) 1 2

(15a) <sup>2</sup> <sup>2</sup> 가 , 1  
1 (V1)

10 11.  
,  
(V1, V2),

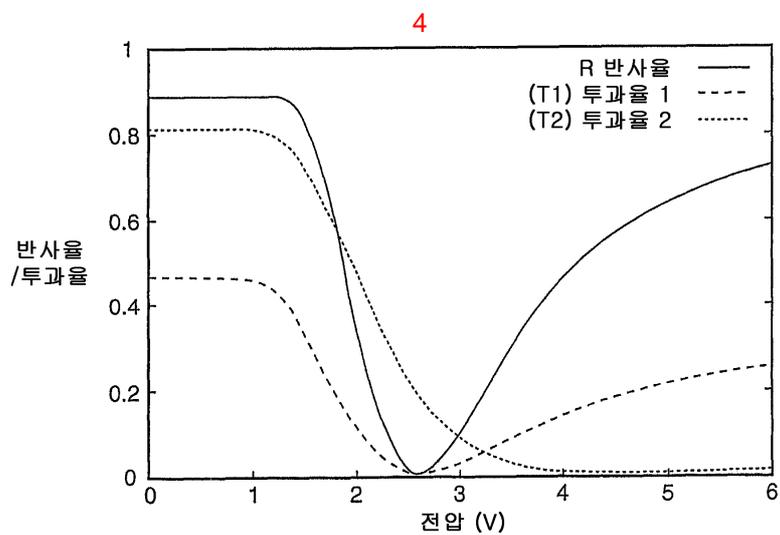
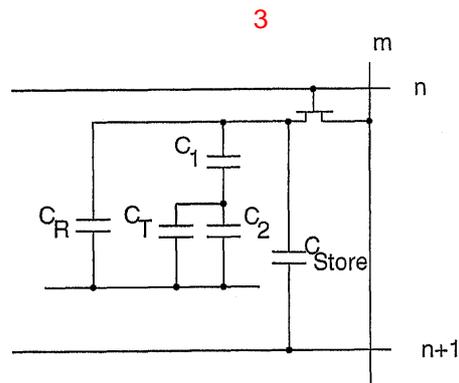
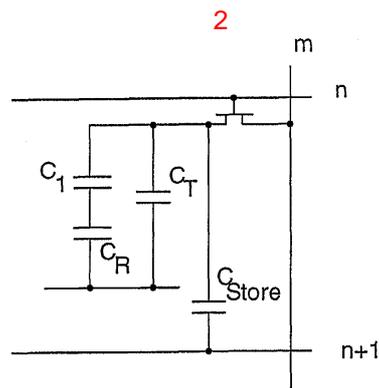
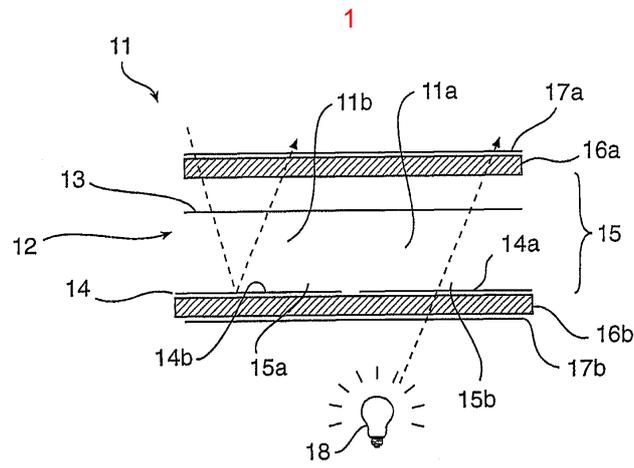
10 12. 11 ,  
(C<sub>1</sub>) (15a)

10 13. 12 ,  
1 (C<sub>1</sub>)

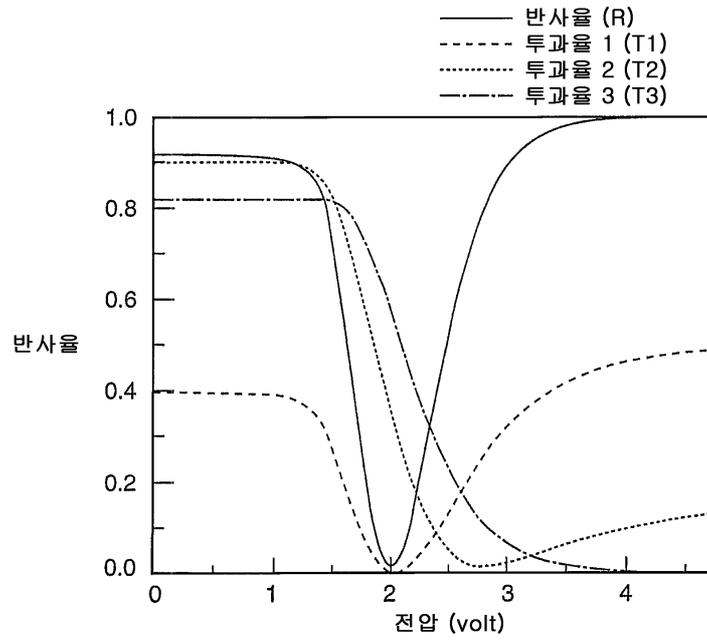
10 14. 13 ,  
, 2 (C<sub>2</sub>) (15a)

14 15.  
2 2 (C<sub>2</sub>)

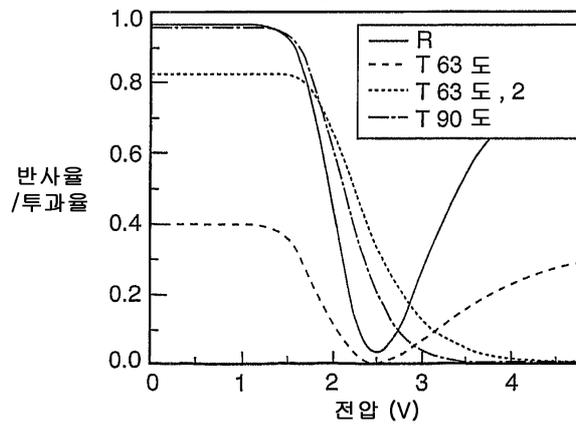
9 16. 15 ,  
1 1 2 1 2  
,  
1 2



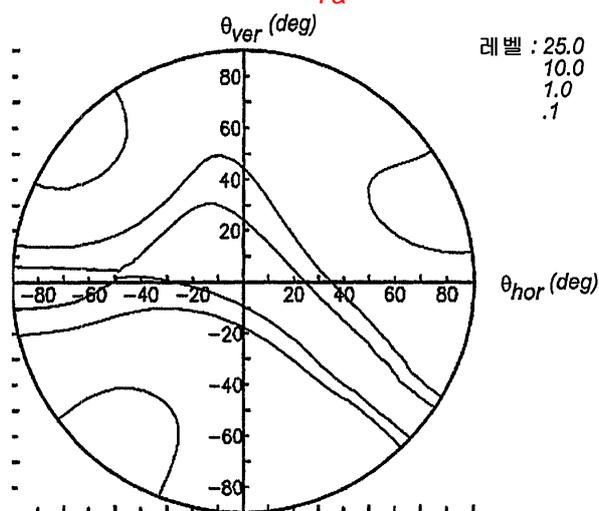
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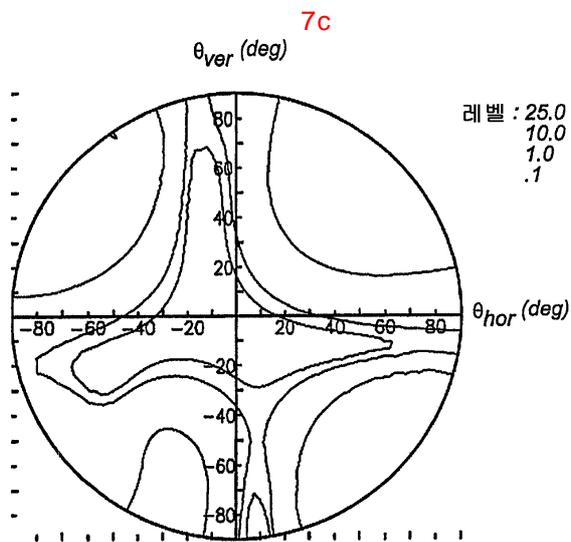
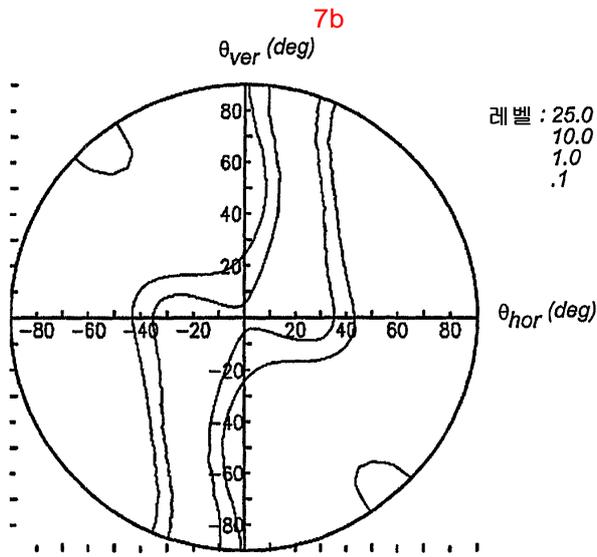


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7a





专利名称(译)	透反液晶显示装置及其寻址方法		
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[标]申请(专利权)人(译)	皇家飞利浦电子股份有限公司		
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摘要(译)

本发明涉及包括至少一个像素的透反液晶显示装置，该像素包括透射子像素（11a），该透射子像素包括包括第一液晶盒和第二液晶盒的反射子像素（11b）。对于该器件，第一和第二液晶盒被驱动到不同的驱动电压。本发明涉及驱动这种半透射显示器的方法。

