

(19)
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2002 - 0046595
2002 06 21

(21) 10 - 2000 - 0076845
(22) 2000 12 15

(71) ,
20

(72) 605 - 212

(74) :

(54)

, (Color Filter) (Back Light) ,
가 가

4

1

2

2 , (COLOR FIELD SEQUENTIAL) (T)가
 가 ,
 R, G, B 3
 가 , 1 가 .

1

$$T_t = 3T_d + 3T_{lc} + T_{bl} = 3T_w + T_{bl}$$

(, T_t : T_d

T_{la} : T_b :

T_w)

60Hz 가 $T_t = 16.7 \text{ msec}$ 가 1 ,
 $T_{bl} = T_t - 3T_w$,
 16.7 msec (T_w) 3
 가 , T_w
 가 가 ,
 가

3 (COLOR FILTER) 2가
 2 (GREEN + BLUE) 2 (RED + BLUE) 가

가
(RED + GREEN) 2

가 2 1
(BLUE)

가 (BLUE) (BLUE) (RED + GREEN), (BLUE)

, 3 7

3 (RED + GREEN) 가 (BLUE) 가 가 2 가 가 2
 $T_i = 2T_w' + T_{bl}'$ 가 1 (, $T_w' = T_w$),
 $T_{bl} = T_i - 3T_w$ $T_{bl}' = T_i - 2T_w$ T_w 가 가 가

4 (RED + BLUE) 가 (GREEN + BLUE) 가 가
 3 2가 2가 1.5(3/2)

5 가 (Tw) 가 가
 $B = T_i - 3T_w$ 가 (B) 가 R G
 $B' \approx \frac{2}{3}(T_i - 2T_w)$
 T_w 가 3.3 msec 2/3

6a 6d (RED + BLUE), 6a 3 (GREEN + BLUE) 4
 6b 6c 4 (RED + GREEN) 6b (BLUE)
 6c

6d (RED + BLUE) (GREEN + BLUE) , , (0)가
6a 6c 가

7 , 가 3 (RED)
(GREEN) (BLUE)
가 가 가

가

(57)

1.

(Color Filter) (Back Light) , 가

2.

1 , 가

3.

1 , 1 (GREEN + BLUE) 2 (RED + BLUE) 2 , 2

4.

1 ,

, 2 1 (BLUE) (RED + GREEN) 2 가 .

5.

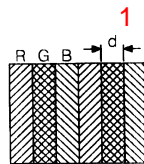
4 ,

(BLUE) (RED + GREEN) 2 가 .

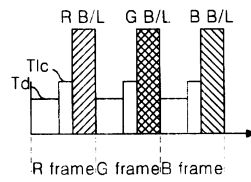
6.

5 ,

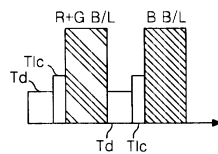
(BLUE)



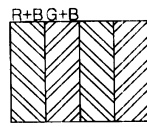
2



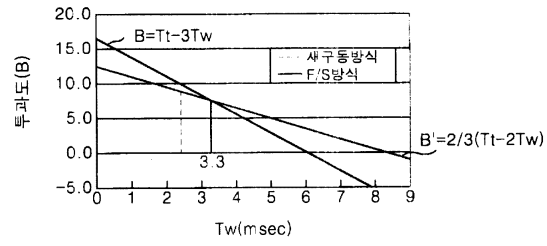
3



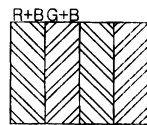
4



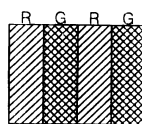
5



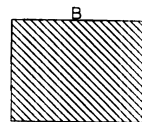
6a



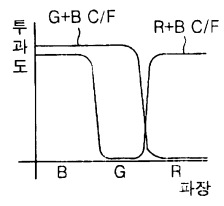
6b



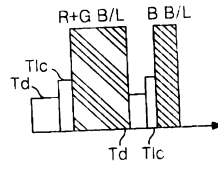
6c



6d



7



专利名称(译)	驱动液晶显示装置的方法		
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[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
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摘要(译)

液晶显示装置的驱动方法技术领域本发明涉及一种液晶显示装置的驱动方法，其中可以以高亮度显示液晶单元的像素的颜色。根据本发明，提供一种驱动包括滤色器和背光的液晶显示器的方法，该方法包括交替排列具有不同光谱的两个滤色器的步骤，并安排两个背光。根据本发明，由于在驱动液晶显示装置时打开背光的时间延长，因此光的透射率增加，从而可以以高亮度显示液晶单元的颜色。 4

