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(22) 2003 01 28

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2 TFT
3 , 2 A-A'
4 2 TFT
5 , 4 A-A'
6 3
7 4 TFT
8 , 7 A-A'
9 5 TFT
10 , 9 A-A'
11 6
12 7
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14
15
16

9 : 10 : TFT

20 : 21 :

21a : 25 ;

31 : 31M :

50 : R :

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(Thin Film Transistor, TFT)

, 1 (11a), , (1a)
 , (6a) . 1 (11a) (3b) (6a)
 (6a) (11a) (3b) (13) (3b)
 1 (11a) , (13)
 1
 2 (20) (T) (R) (20) (20) (20)
)
 , 3 , TFT , TFT
 , TFT
 3 , TFT (10) (50) (25) (10) ,
 20 (10A) , (20) (R) , (20)
 (T)
 (R) (20) (22R)
 (T) , (22T) 2 ,
 ,
 ,
 ,
 (21) , (21) (21) (22R, 22T) (R)
) (R) (K) (T) (21) 2 3μm
 , (R) (21) (50) (T) (50) 4 6μm
 , (21a) (21) (22R, 22T) (21)
 (20)(20) 5° 50° (R) (21) (T)
 , ITO (21) TFT (10) (9), (Indium Tin Oxide,
 ,) , (23)
 , (25) , (31), (23, 33) , (25A) , ITO
 (25) , (25) , TFT (10) , (25)
 ,
 50 (T) , (50) (R) (21) (R) (R)
 , (T) (21) (50) (50B) (50B) (50B)
 , (50B) , (50B) , (50B) , (50B)

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5° 50°

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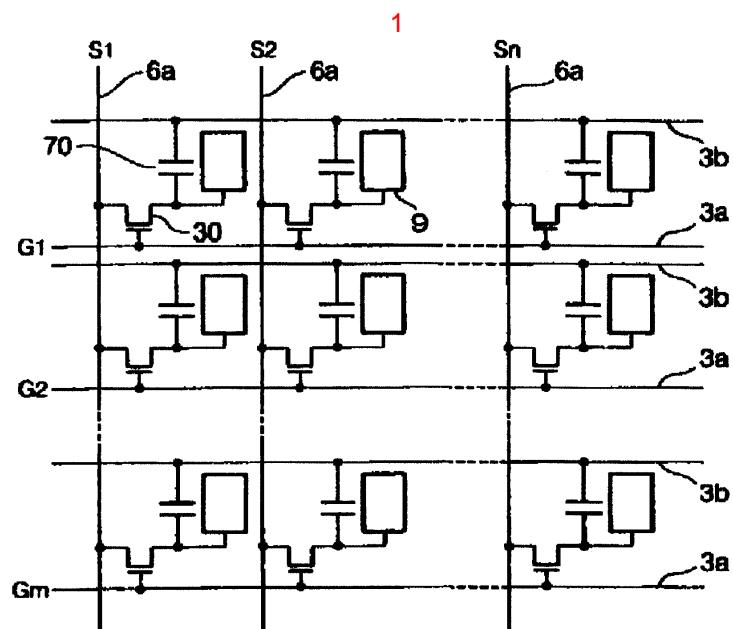
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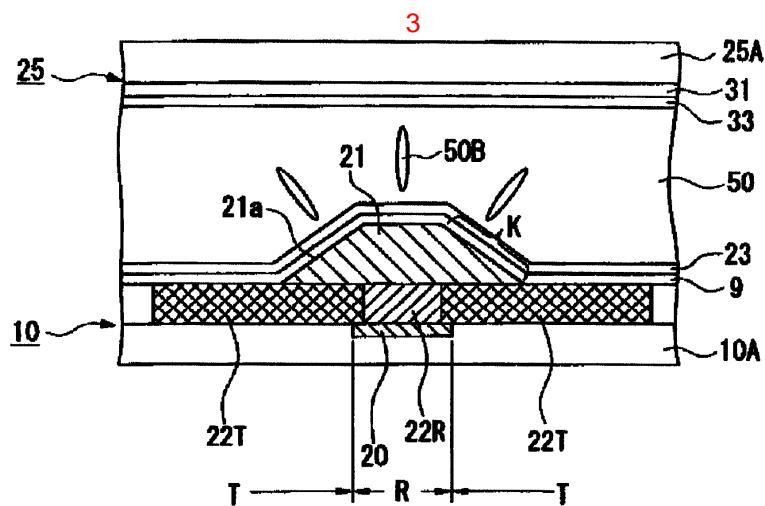
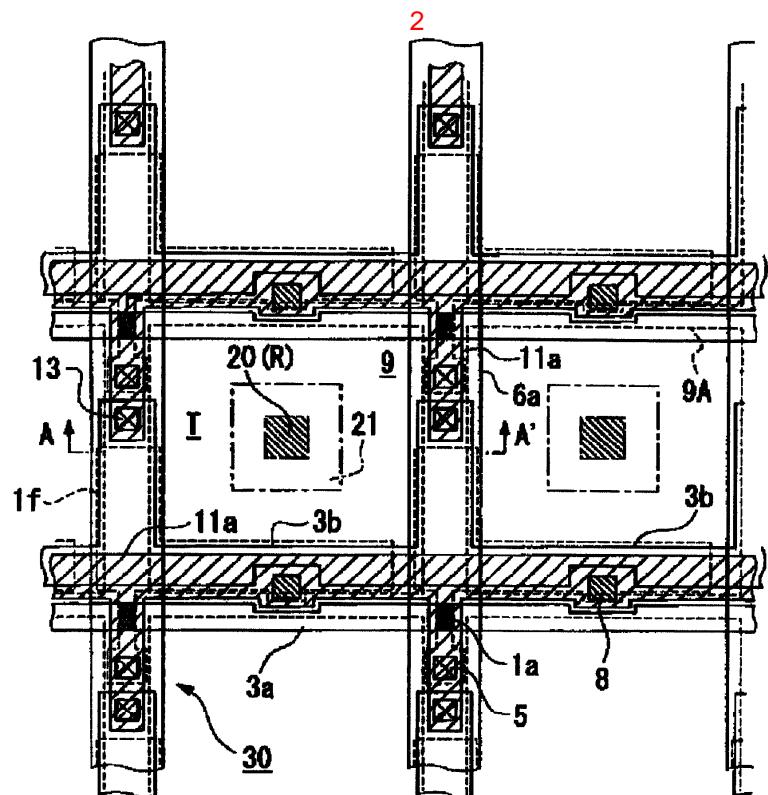
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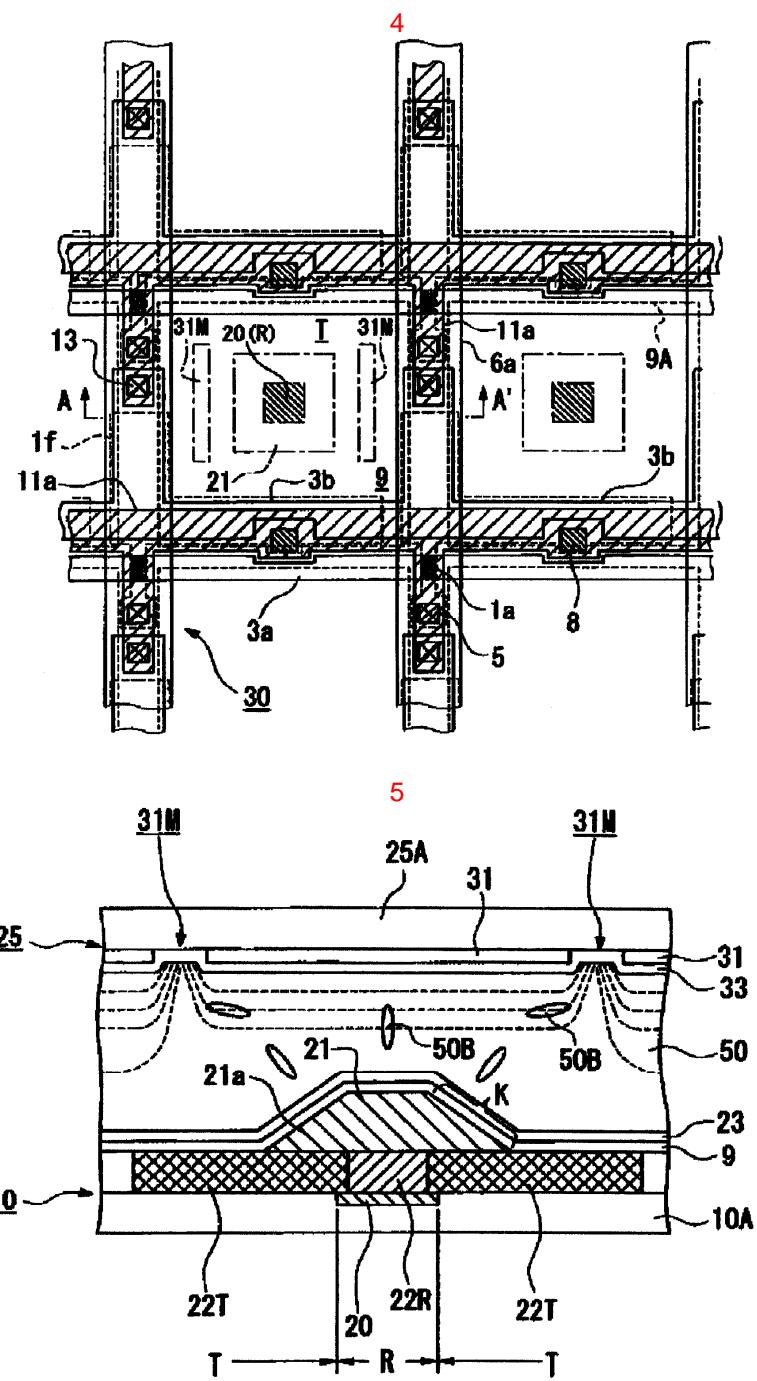
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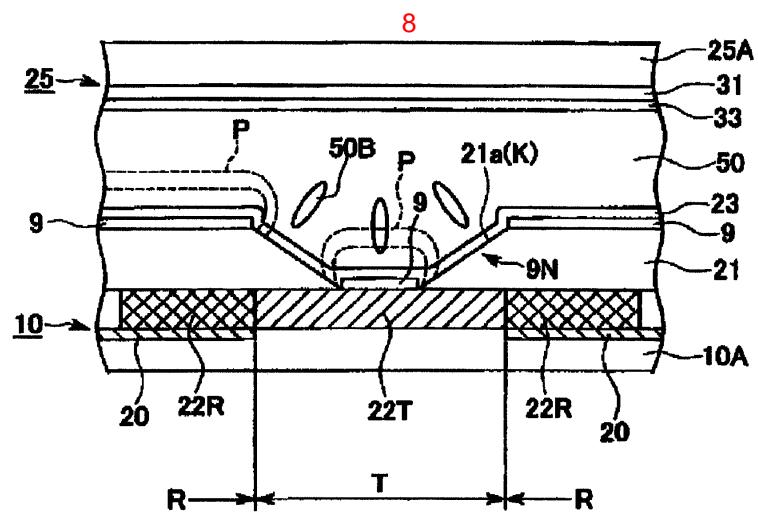
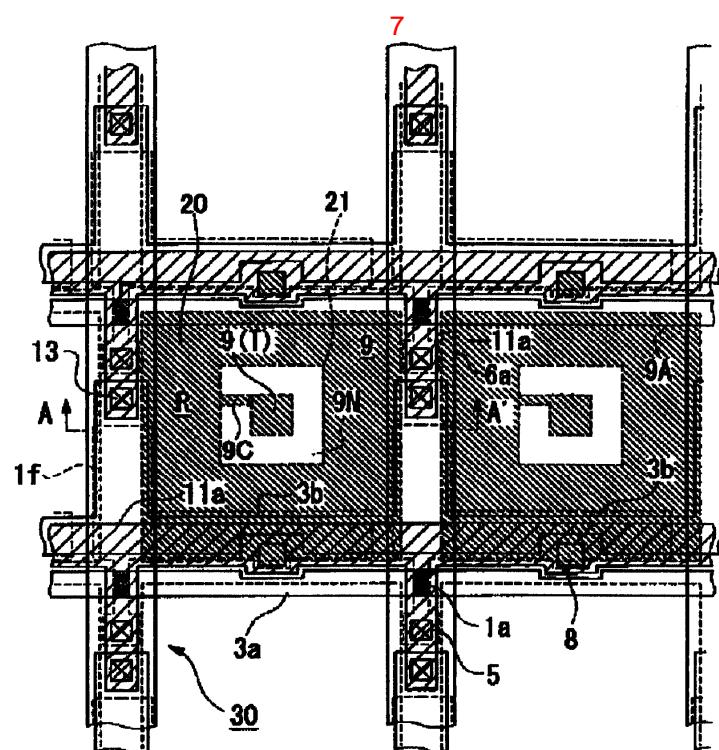
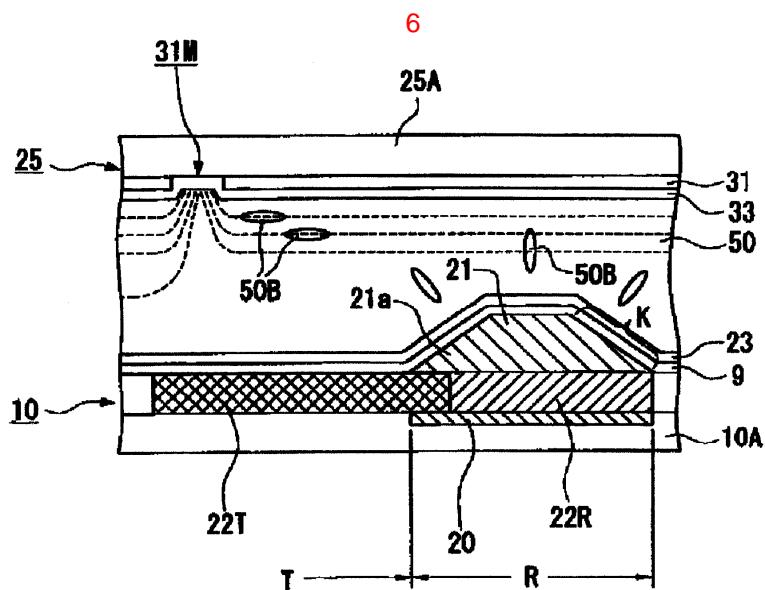
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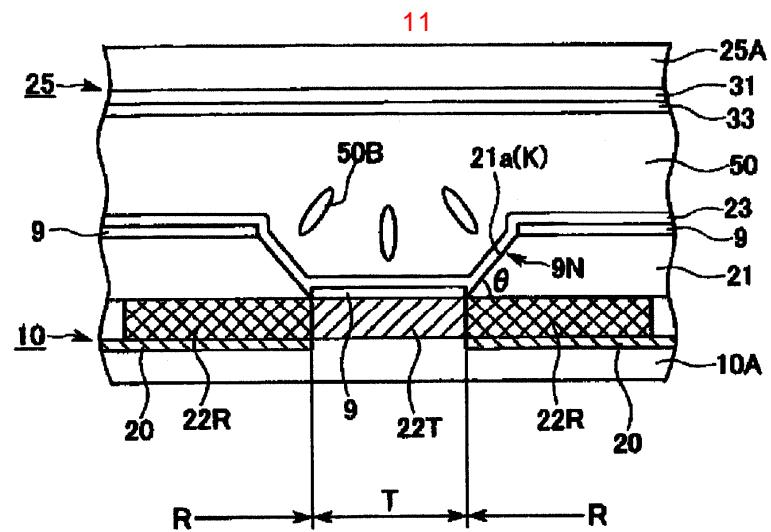
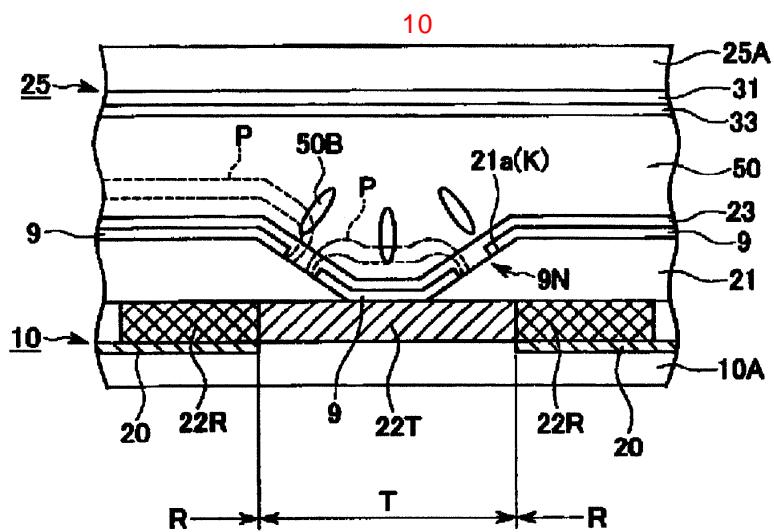
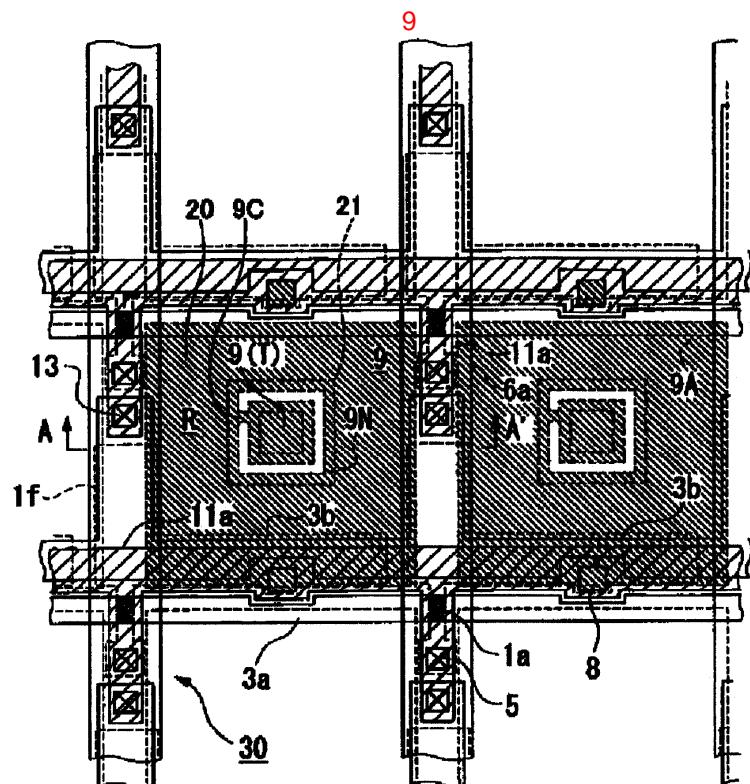
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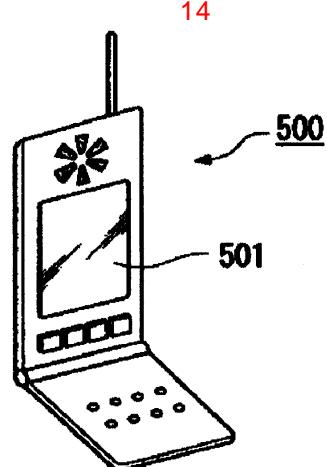
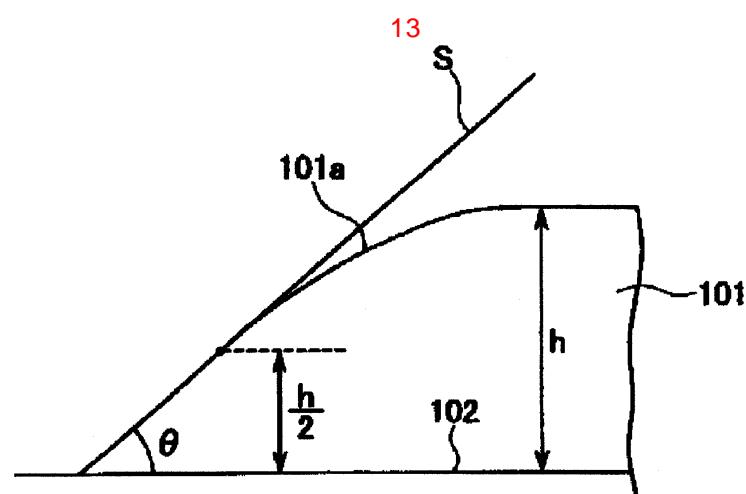
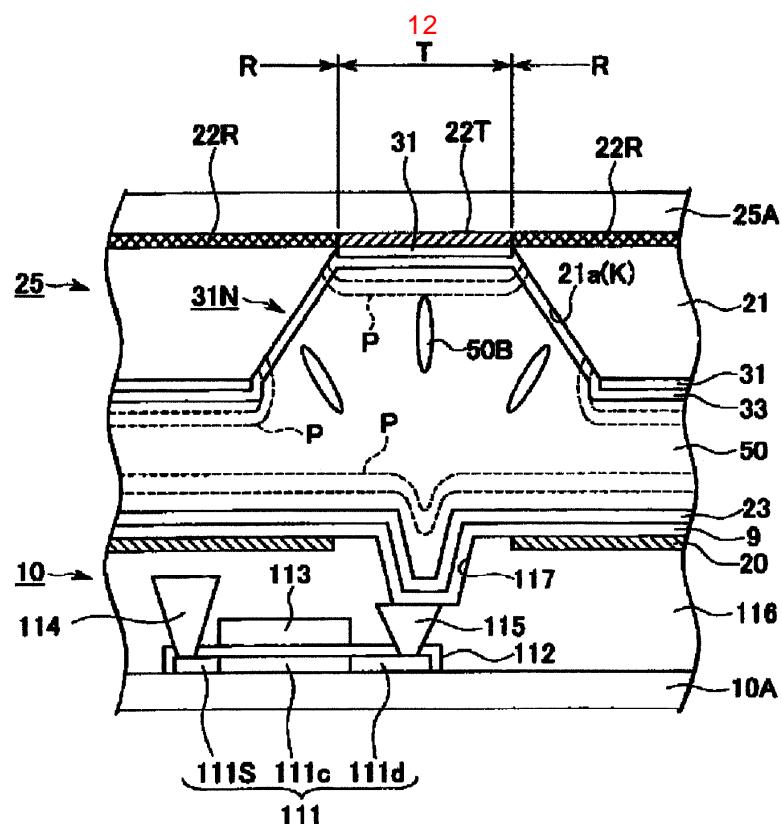


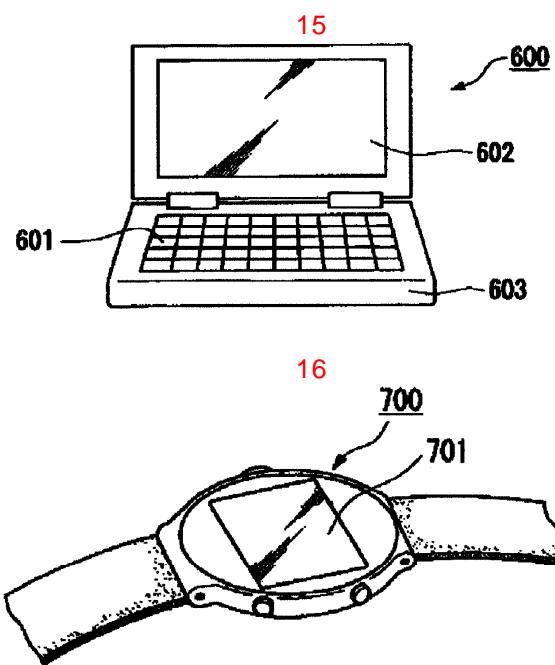












专利名称(译)	液晶显示装置和电子设备		
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外部链接	Espacenet		

摘要(译)

根据本发明，提供一种明亮，高对比度的液晶显示装置，并且可以在透射反射型液晶显示装置中获得宽视角的显示。本发明的液晶显示装置采用垂直取向模式，使用液晶层50，其初始取向状态垂直取向，并且一个点中的透射显示区域T围绕反射显示区域R并且，用于减小反射显示区域R中的液晶层50的层厚度的绝缘膜21小于透射显示区域T中的液晶层50的层厚度以及与点的中心部分中的反射显示区域R对应的区域。3

