

(19)  
(12)

(KR)  
(A)

(51) . Int. Cl. 7  
H05B 33/26

(11)  
(43)

10-2004-0050945  
2004 06 18

(21) 10-2002-0078744  
(22) 2002 12 11

(71) 416

(72) 289-12 102 504

1 112 508

102 1004

(74)

(54)

3

1	1					,
2	1	II - II'		,		
3	1	III - III'		,		
4a	1					,
4b	4c	4a	I Vb - I Vb'	I Vc - I Vc'		,
5a	4a					,
5b,	5c	5a	Vb - Vb'	Vc - Vc'		,
6a	5a					,
6b	6c	6a	VIb - VIb'	VIc - VIc'		,
7a	6a					,
7b	7c	7a	VIIb - VIIb'	VIIc - VIIc'		,
8a	7a					,
8b	8c	8a	VIIIb - VIIIb'	VIIIc - VIIIc'		,
9a	8a					,
9b	9c	9a	IXb - IXb'	IXc - IXc'		,
10a	9a					,
10b	10c	10a	Xb - Xb'	Xc - Xc'		,
11	2					,
12	11	XII - XII'		,		
13	11	XIII - XIII'		,		
14	3					,
15	4					.
	: 123a, 123b		: 173a, 173b			
	: 175a 1		: 171a			
	: 112		: 153a, 153b			
	: 155a, 155b		: 154a, 154b			
	: 190		: 270			
	: 70					

(organic electro-luminescence)

( )

( )

(ETL:Electron Transport Layer)

(EIL:Electron Injecting Layer)

(HIL:Ho

(HTL:Hole Transport Layer)  
ie Injecting Layer)

(passive matrix)

(active matrix)

가

가 (on)

가  
R, G, B

가

가

가

가  
(cross talk)가

가

가

가



0 (140) (182, 183) 1 (155a) 2 (801) (123b) (14  
 0 (186) 2 (155b) , (171)  
 2 (171, 173a, 173b, 175a, 175b) (802) , 2 (802) 2 (175b) (185)  
 2 (802) (185) 2 (175b) (190)  
 , (190) ITO (Indium Tin Oxide) IZO(Indium zinc Oxide)  
 2 (bottom emission) (190) , 가 (112)  
 (70) (top emission) , , (190) (112) (70)  
 2 (111) (175b) , , (190)  
 2 (802) (803) (190) , (70) (803) (803) (190) , (70)  
 03 (70) , , (803) (190) , (70) , , (70)  
 0 (70) (803) (804) (804) (804)  
 (804) (270) (190) ITO IZO (270) ITO IZO (270)  
 , (270) (270) (802) (804) (270)  
 (70) (70)  
 2 (121) (on) 2 가 가 1 가 2 1 (171) 가 ,  
 2 (70) 가 2 (123b) , 2 (190) (123b) (70) ,  
 0 (70) 가 , , 2 (112) 가 , 1  
 1 , , , , , , ,  
 4a 10c 1 3  
 , 4a 4c (110) (112) (112) (111) , (111)



(57)

1.

,  
,

2.  
1 ,

3.  
1 ,

4.  
1 3 ,  
1 2 2 ,

,  
1 ,  
1 2 2 1 ,  
2 2 2 1 ,  
1 2 1 ,  
1 2 ,

5.  
4 ,

6.  
4 ,  
2

7.  
1 ,

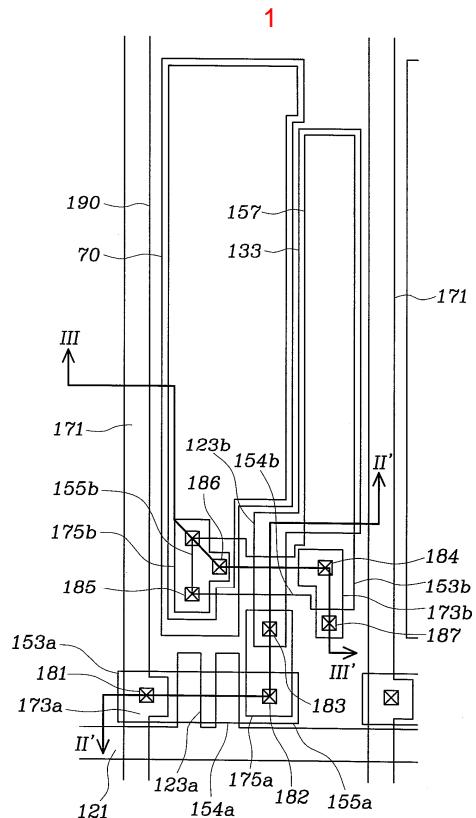
8.  
1 ,

가

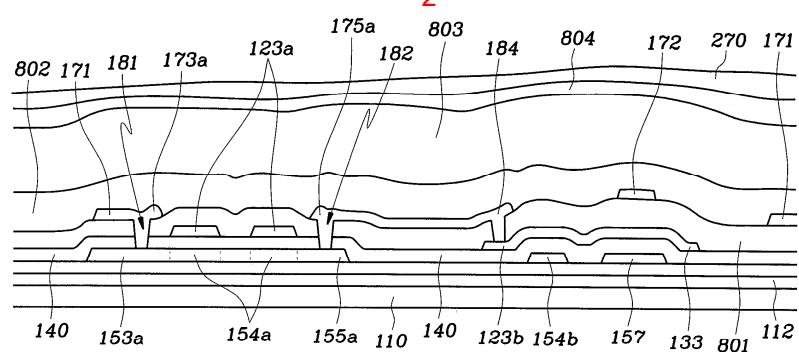
9.

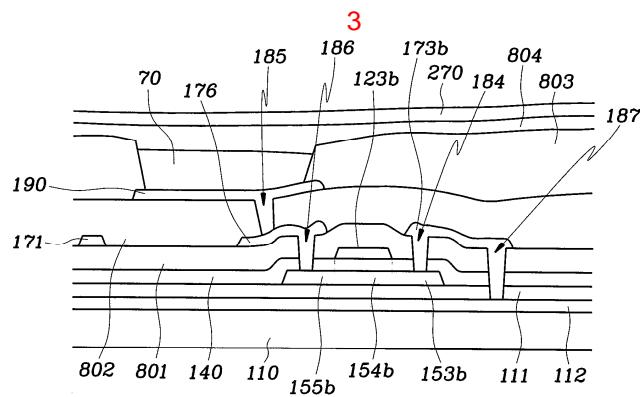
1

가

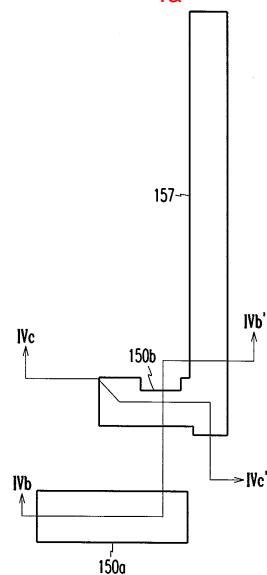


2

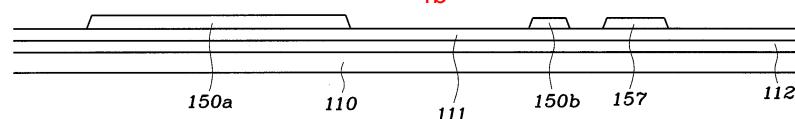




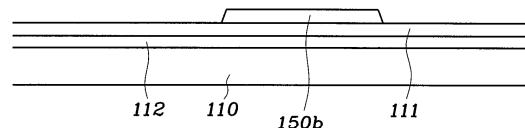
4a

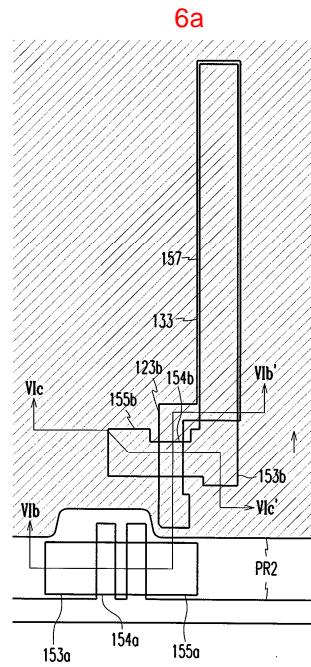
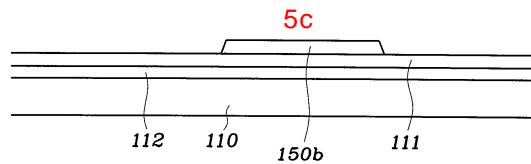
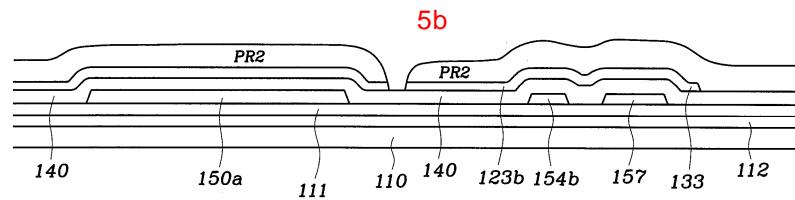
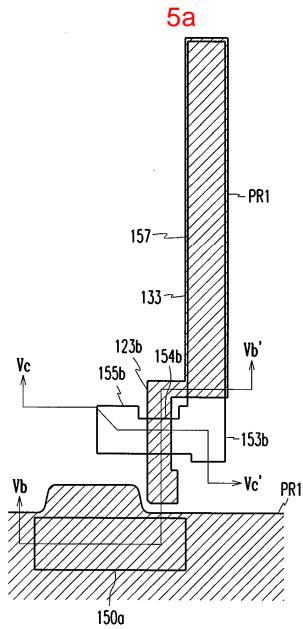


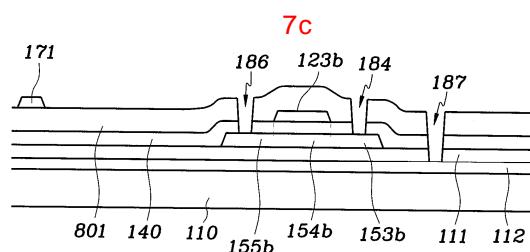
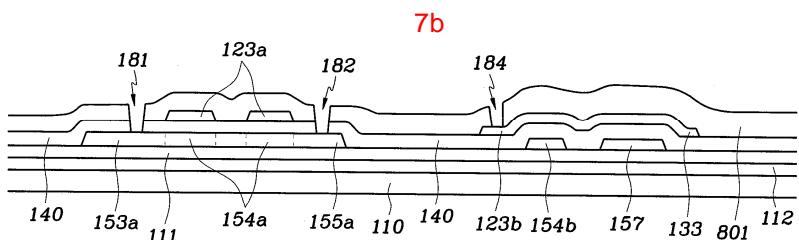
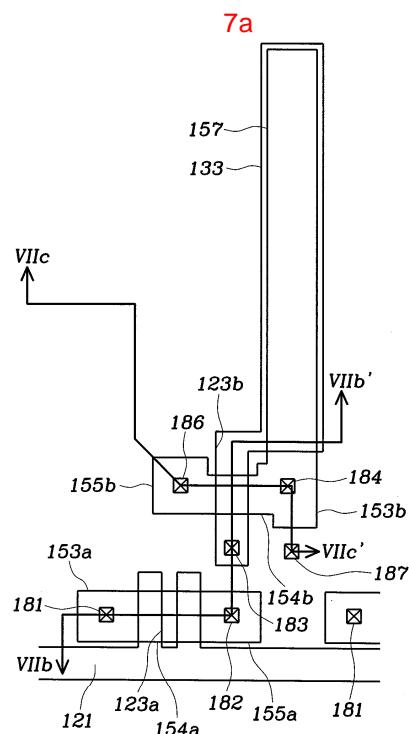
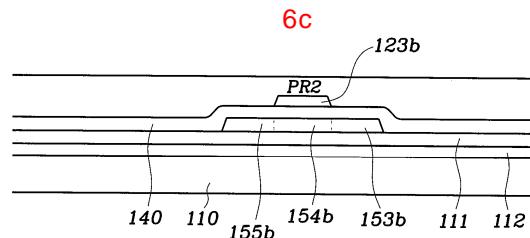
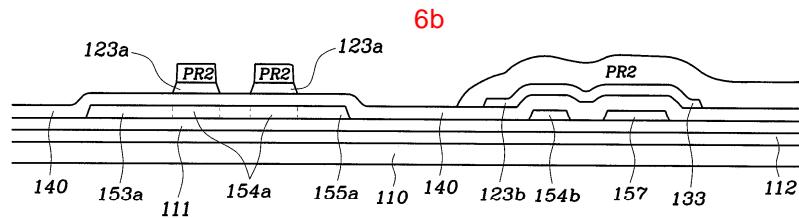
4b



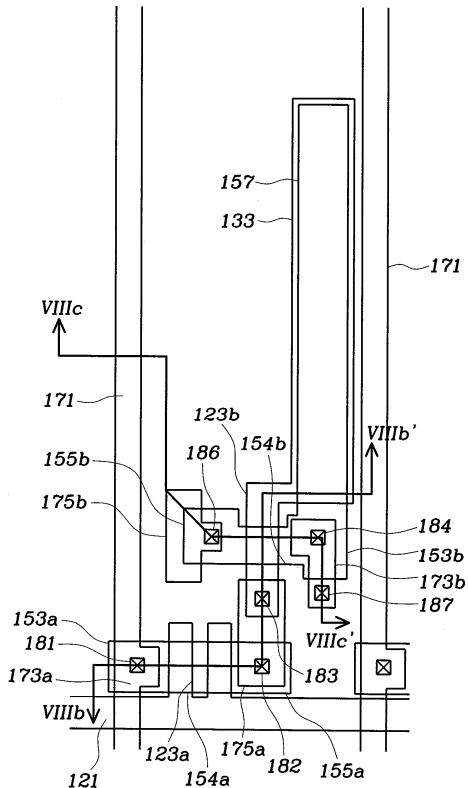
4c



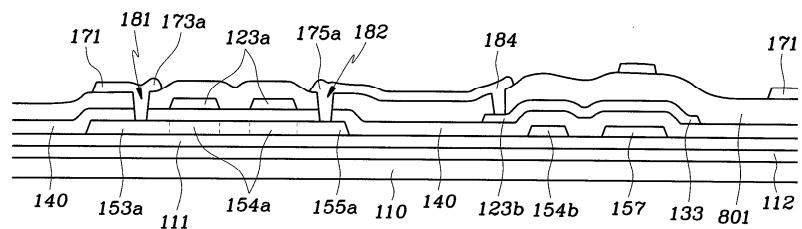




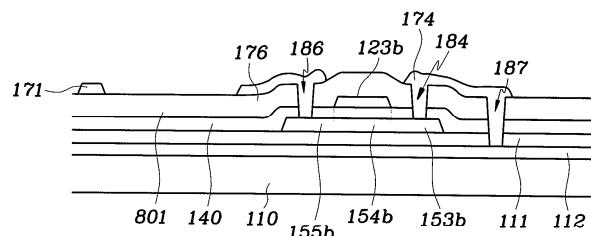
8a



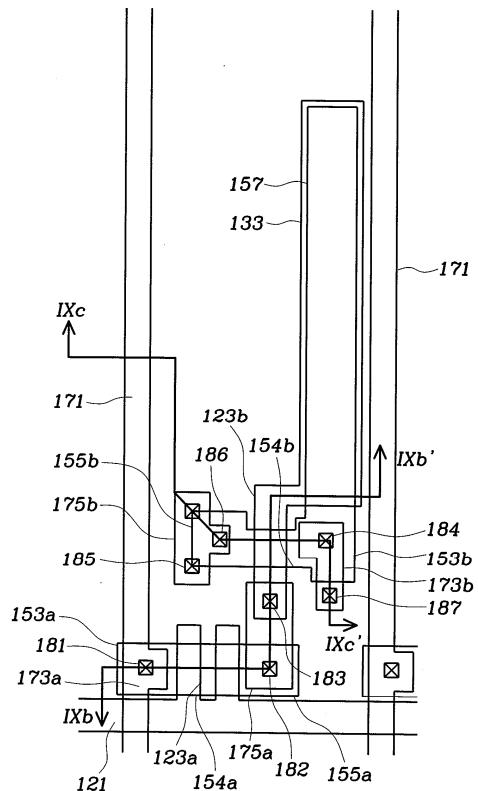
8b



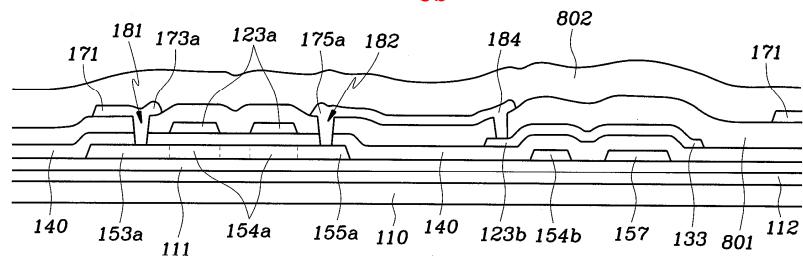
8c



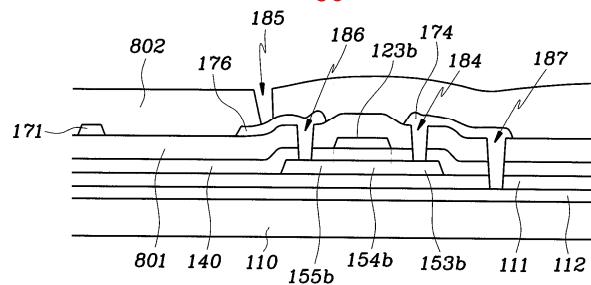
9a

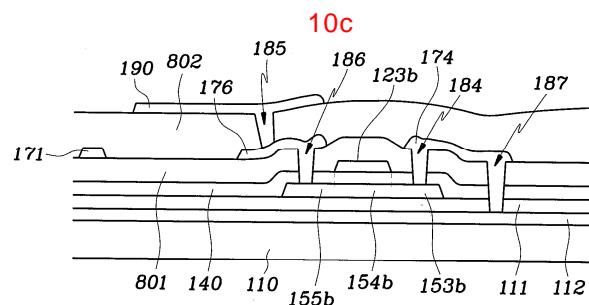
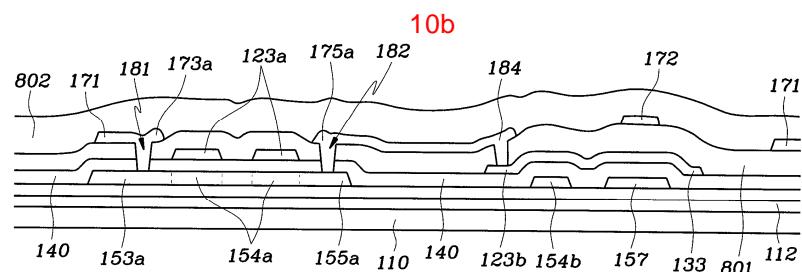
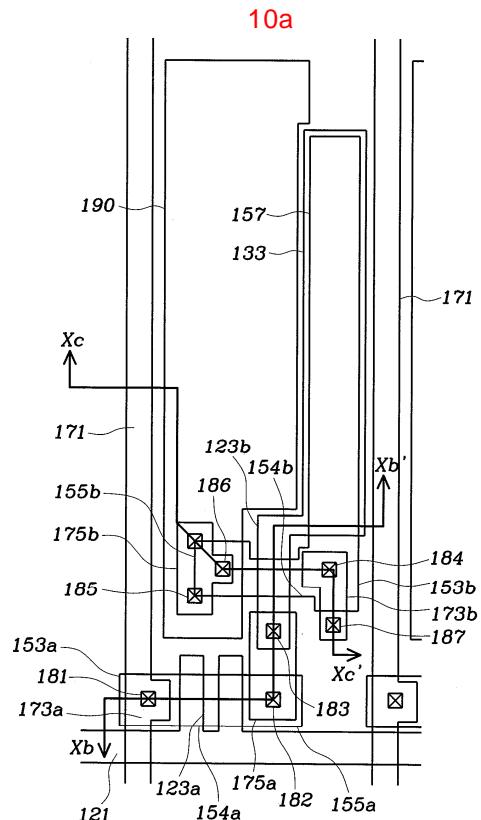


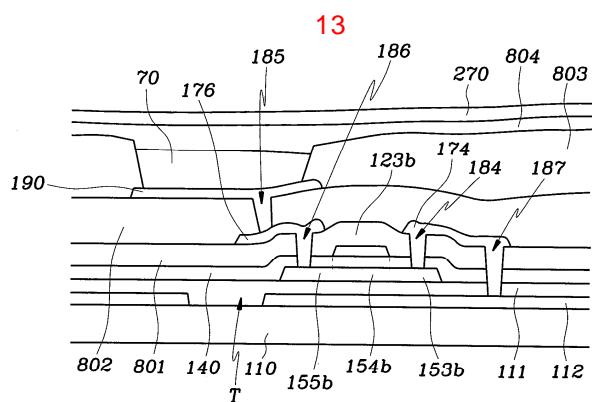
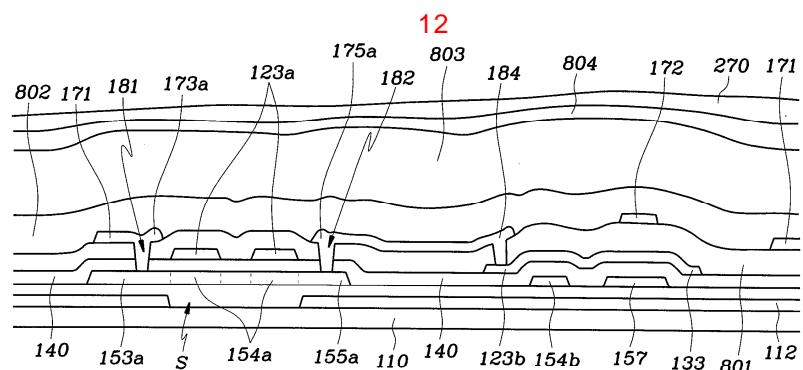
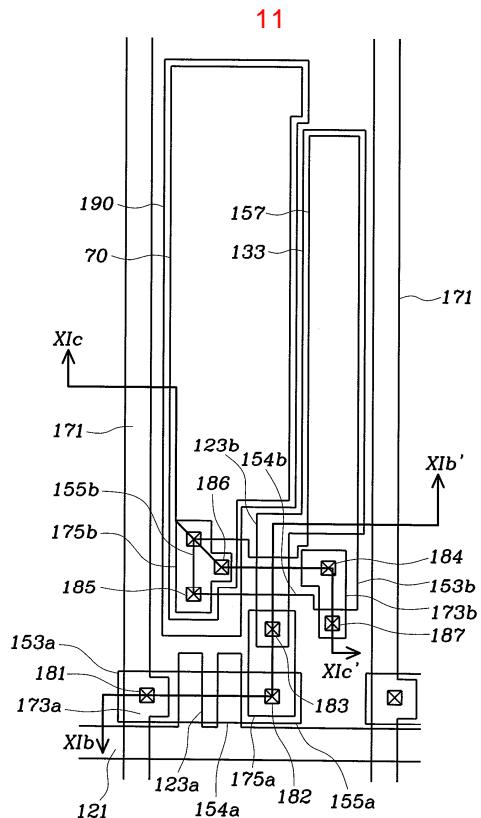
9b

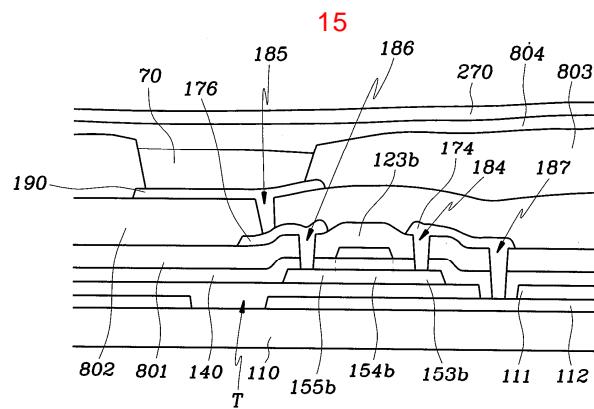
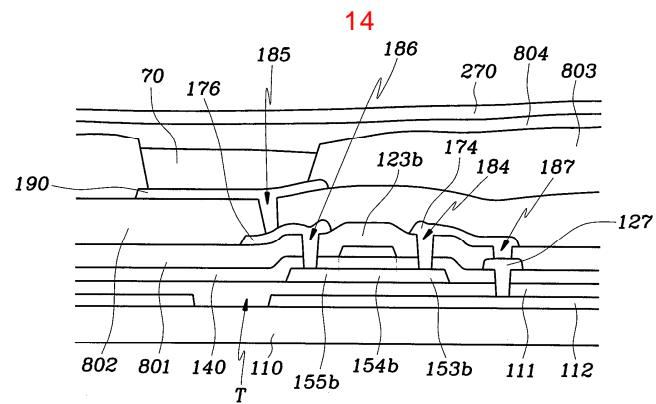


9c









专利名称(译)	有机排放标志		
公开(公告)号	<a href="#">KR1020040050945A</a>	公开(公告)日	2004-06-18
申请号	KR1020020078744	申请日	2002-12-11
[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
当前申请(专利权)人(译)	三星电子有限公司		
[标]发明人	SHIN KYOUNGJU 신경주 CHOI BEOHMROCK 최범락 CHAI CHONGCHUL 채종철		
发明人	신경주 최범락 채종철		
IPC分类号	H01L27/12 G09F9/30 H05B33/02 H01L31/109 G09G3/30 H05B33/12 H01L51/50 H05B33/26 H05B33/14 H01J1/62 H01L27/10 H01L21/77 H01L27/32		
CPC分类号	H01L27/3276 H01L27/1214 H01L2251/5315 H01L27/12 H01L27/124		
其他公开文献	KR100895313B1		
外部链接	<a href="#">Espacenet</a>		

## 摘要(译)

用于电源电压的电极完全形成在绝缘基板上，并且在电极上形成阻挡层。势垒层，所述第一和所述第二晶体管区和所述第二和包括被连接到晶体管部部分维持电极的多晶硅层的上部形成，多晶覆盖硅层的栅极在横向方向上绝缘上部的栅极线，所述在图1中，第一和第二栅电极和维持电极分别与第二晶体管部分和维持电极部分重叠。所述数据线交叉线 gate，连接到所述数据线和所述第一晶体管区的源极区的第一源电极，与第一第一晶体管区漏区和与所述第二栅电极覆盖所述栅极布线的连接上述第一层间绝缘膜第一漏电极，数据布线形成，包括一第二漏极电极连接到所述源电极，连接到用于电极和第二晶体管部分的源极区域中的电源电压的第二薄膜晶体管部漏区。连接到第二漏电极的像素电极形成在覆盖数据线的第二层间绝缘膜上，并且有机发光层形成在像素电极上。3 指数方面 有机，发光，功率，串扰，下降

