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(12) (B1)

(51). Int. Cl. ⁷ H05B 33/00	(45) (11) (24)	2003 09 19 10-0398542 2003 09 03
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(21)	10-2001-7006736	(65)	2001-0080628
(22)	2001 05 30	(43)	2001 08 22
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(86)	PCT/JP2000/06622	(87)	WO 2001/24585
(86)	2000 09 26	(87)	2001 04 05

(81)	:	,	,	,	,	,	,	,	,	,	,	,
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(30)	99-280843	1999 09 30	(JP)
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(73)	가	가	
			2 4-1

(72)	가	3 3-5	가	가
	가	3 3-5	가	가

(74)	:
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(54)

TFT (22)	(22C) 10 μm	EL	(14)	,	4	EL	,	(14)가	,	가	EL	(14)
		EL						, TFT				EL

EL

EL

EL

EL

가

TFT

20

100

가

EL

EL

가

TFT

EL

TFT

EL

EL

TFT

1
2 1
3 EL
4 EL
5 EL
6 TFT
7 EL
8 EL

EL

9 2 TFT
10 3 TFT
11 4 TFT
12 5 TFT
13 EL

EL

EL

(1)
 1 (12) 4 EL (14A, 14B, 14C, 14D) 가 (14A, 14B, 14C, 14D) 가 (10) EL (10)
 , (14) , EL (14) (14) TFT (14) 가 가 , 100 EL , (14)
 2 , , EL (2 6) (14) 20 (JIS A3)
 , 1 4 EL (14) (14) , , ,
 3 EL (14) EL (14) (EL (16)) , (18)
 , EL (20) (16) , EL (14) (20) , , ,
 , EL (14) (14) TFT (22) , TFT (22) (22P) (18) (16) EL (14) (14)
 , (22P) (22C) , , ,
 , , , , , , ,
 TFT (22) (22P) (22C) (26) (24) (24)
 TFT (22) (22C) (26)

, TFT (22) (22C), , TFT (22) (26)
 가 , 가 , 가 , 가
 3 , 4 EL (22C) 가 , 2 EL (28) (14) (12)
 () (22P) TFT (22) , 5 EL (14) , TFT (22) (22C)
 8 , 50 μm, TFT , EL 1 μm, EL (14) (14) 10 μm
 , EL (10) , EL (16) 4 EL (16)
 EL (16) , EL (14) 가 (14) (20) (18) (2O)
 EL (14) , (22C) 가 (22P) (22C) , EL (22C) (2x2) (14) (14)
 , TFT (22) (28) 4 EL (22C) (14) EL (14) , TFT (22)
 가 (14) , EL (10) 10 μm 4 EL (14A, 14B, 14C, 14D) EL
 (2) 2
 2 TFT (22) (22C) , 1 TFT (22) (22C)
 (22P) 9 , (12) EL (30) (14) (28) E
 L (14) (30) TFT (22) (24) , TFT (22) (22C)
 (3) 3 , 1
 3 TFT (22) (22C) , 1 TFT (22) (22C)
 (22P) 10 , (12) (24), 3 (28) 1
 , 1 (22P) 2 (22C) (22P) EL (14) (22P) 2 EL (14) , TFT (22)
 , 2 3 TFT (22) (22C) , (22P) , TFT (22) 가
 , , ,
 (4) 4 EL (14) , , 1 가 , , , 4 EL (22P)
 11 4 EL (14) , (14) 2 EL (14) , , , , , , , , , , ,
 22C) 가 , EL (14) , , , , , , , , , , , , , , , ,
 (5) 12 2 (22C) 2 (22C) , 2 EL (14) , , , , , , , , , , , , ,
 (22) , 4 EL (14) (14A, 14B, 14C, 14D) , EL (10)
 ,
 (16) EL (10) EL (16) 13 EL

, EL (14) 13

TFT
EL

가

, TFT

EL

EL

(57)

1.

,

가 , ,
가 , , TFT , EL , , EL ,
가 EL , , , , , , E

L (退避)

2.

1 , , , , 20 100 , EL

EL

3.

1 2 , , , TFT
EL

4.

1 2 , , , , EL
TFT EL

5.

1 2 , , , , , EL
TFT , , , , , , EL

6.

5 , , , , , EL
EL

7.

, , , , , , , ,
가 , , , , , , ,
TFT , , , , , , , EL , EL
EL

8.

7 , , , , , EL
TFT , , , , , , EL

9.

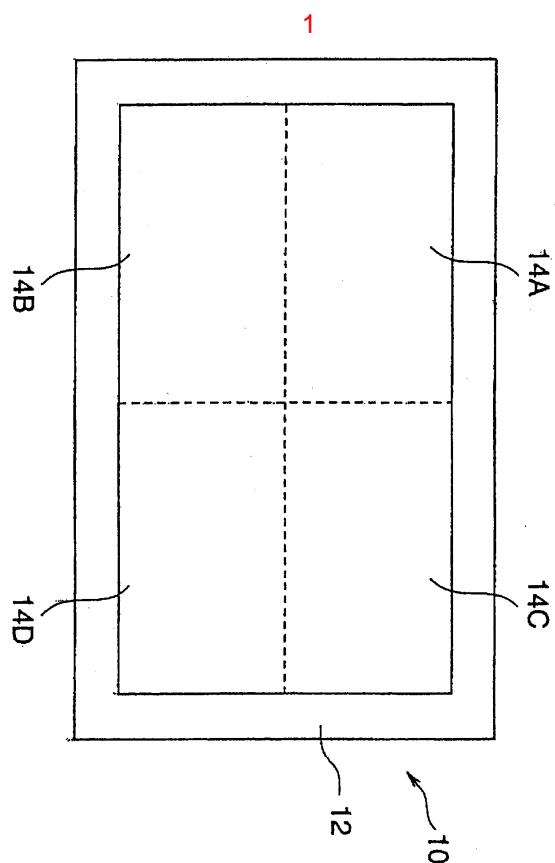
7 , , , , , EL , , , EL
TFT , , , , , , EL

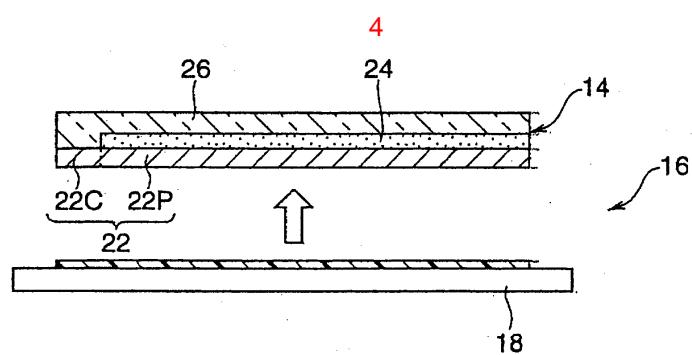
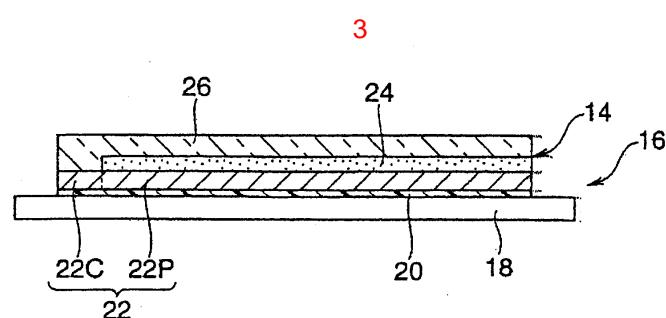
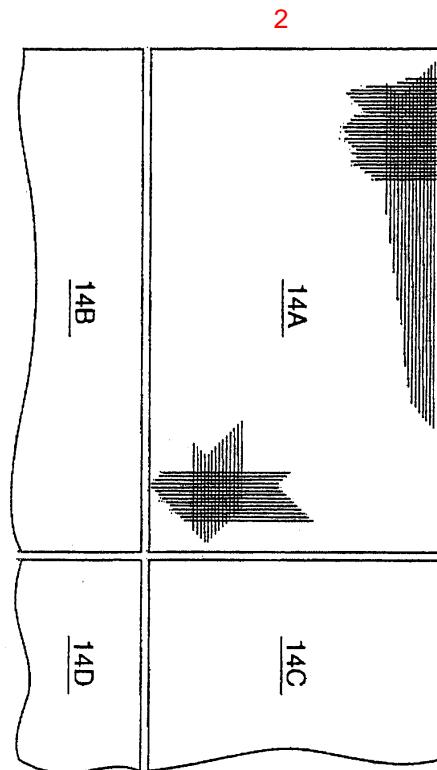
10.

7
TFT
가

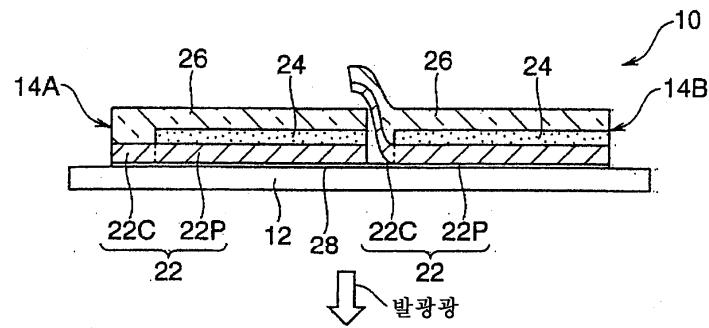
, 가,
EL

TFT
EL

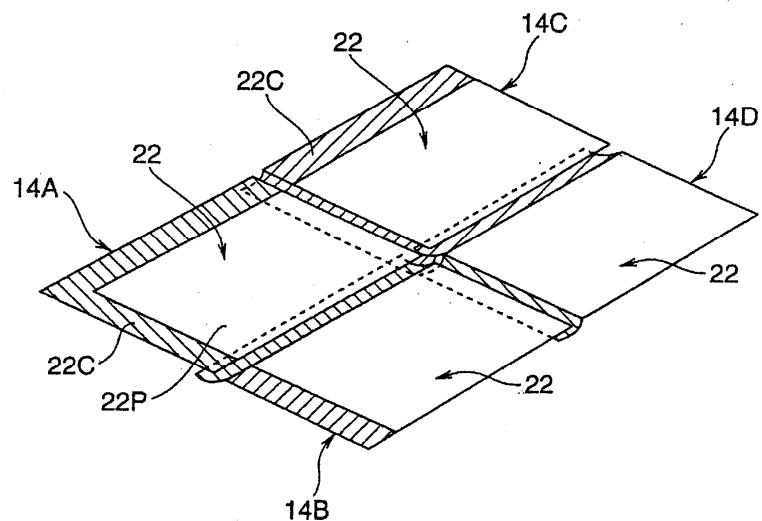




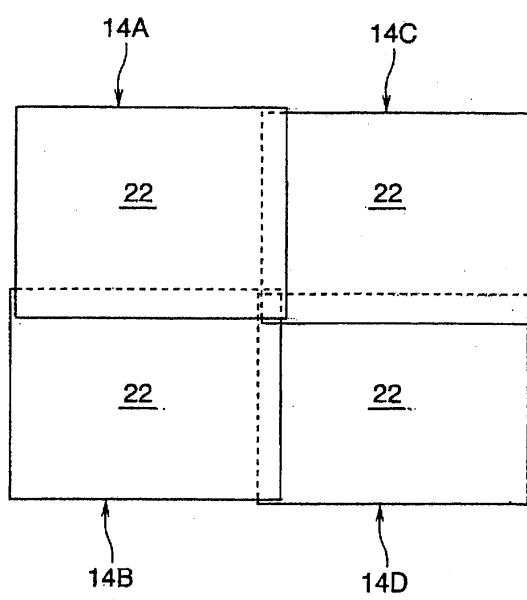
5

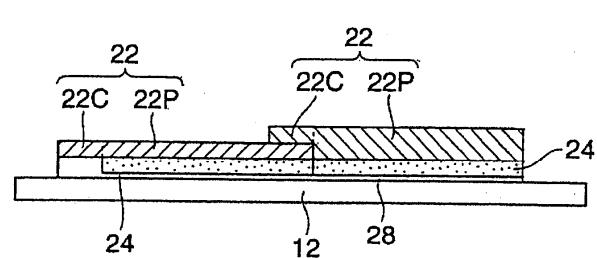
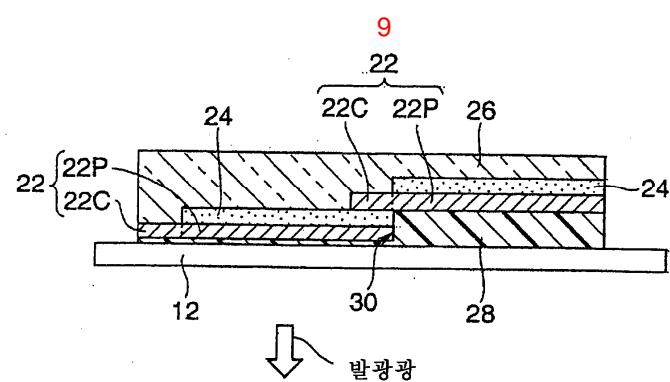
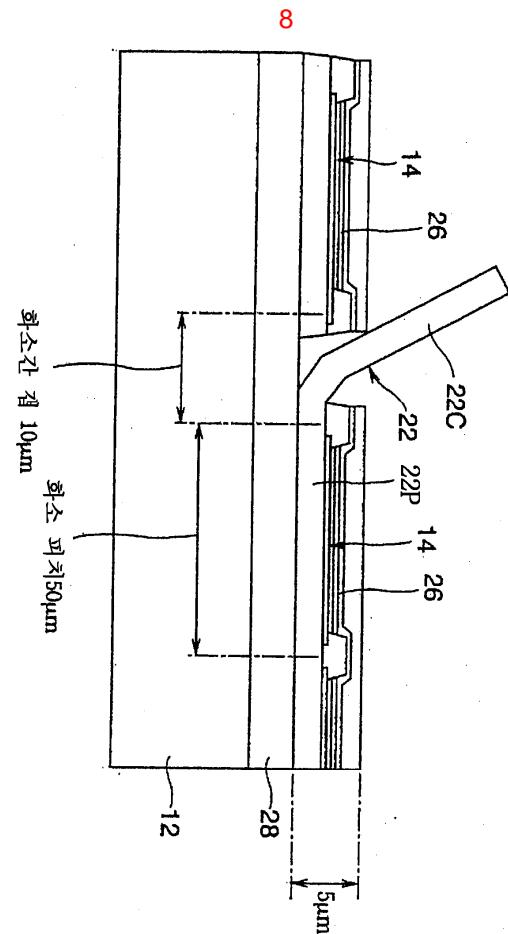


6

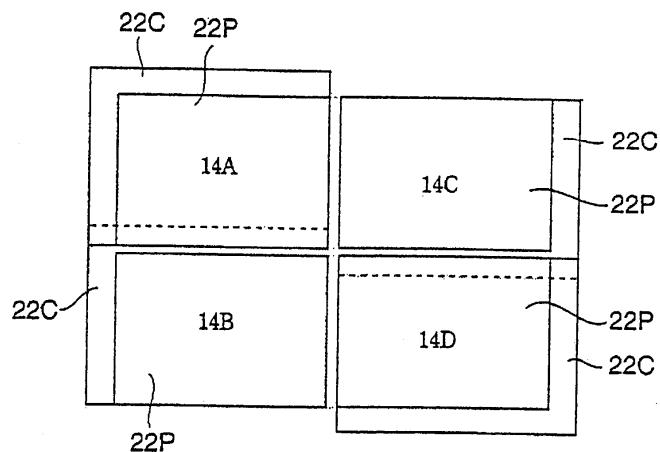


7

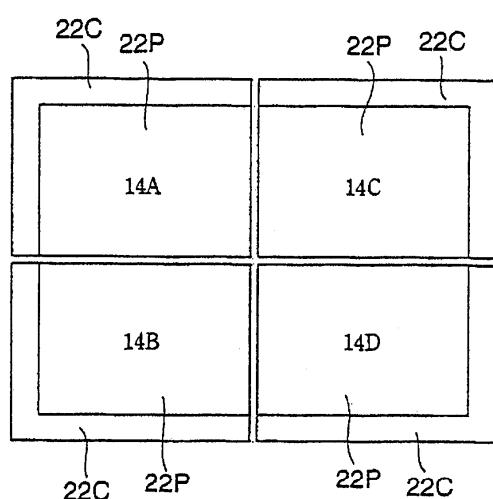


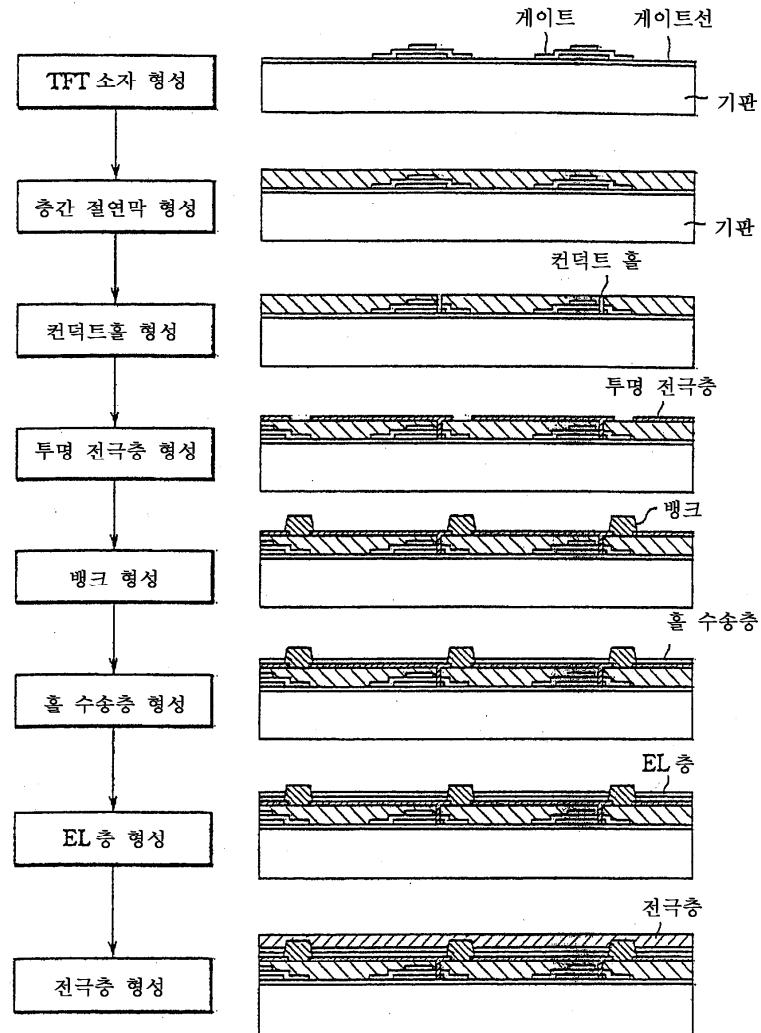


11



12





专利名称(译)	大型电致发光面板及其制造方法		
公开(公告)号	KR100398542B1	公开(公告)日	2003-09-19
申请号	KR1020017006736	申请日	2000-09-26
[标]申请(专利权)人(译)	精工爱普生株式会社		
申请(专利权)人(译)	精工爱普生株式会社		
当前申请(专利权)人(译)	精工爱普生株式会社		
[标]发明人	SHIMODA TATSUYA 시모다타추야 NISHIKAWA TAKAO 니시카와타카오		
发明人	시모다타추야 니시카와타카오		
IPC分类号	H01L51/50 G09F9/313 H01L27/32 G09F9/30 H05B33/14 H05B33/00 H05B33/12 G09F9/40		
CPC分类号	H01L27/3293 H01L27/3244 G09F9/313		
代理人(译)	李，何炳		
优先权	1999280843 1999-09-30 JP		
其他公开文献	KR1020010080628A		
外部链接	Espacenet		

摘要(译)

它后退到EL显示元件(14)的后端, EL显示元件(14)是相邻的TFT层(22)电路(22C)。以这种方式, 相邻EL显示元件(14)的外围像素的间隙可以确定为10μm。并且集成了4个外观的EL显示元件(14)。可以形成大尺寸EL显示板。当多个EL显示元件排列成矩阵形状时, 可以保持TFT像素的像素间距。荧光材料辐射控制, 基层分割, EL显示元件, 室内发光区域。

