

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. ⁷ H05B 33/10	(11) (43)	2003-0083365 2003 10 30
(21)	10-2002-0021873	
(22)	2002 04 22	
(71)	20	
(72)	3 575-25	
	102 103	
	107 101	
(74)		
(54)		

가 , $m \times n(m,n)$) (, m,n
(m-i) × (n-j)(, i,j i,j < m,n)
가 , ,

9b

1 .
2 EL .

3	EL	.
4	2	EL
5a	5d	EL
6a	6c	n 가 EL
7a	7c	n-2 가 EL
8		EL
9a	9c	1 EL
10a	10c	2 EL
11	10	

< >

1 :	2 :	
3 :	4,20,40 :	EL
5 :	6 :	EL
9 :	10 :	
12,32 :	14,34 :	
18,38 :	22,42 :	
16,36 :		

(Cathode Ray Tube)

(Liquid Crystal Display),

(Field Emission Display),

(Plasma Display Panel)

(Electro - Luminescence : 'EL')

EL . EL . EL . EL . EL

100 200V 5 20V

가 , EL (contrast ratio)
(pixel), (Surfac
e Light Source) , 가
1 EL , 2 EL
1 2 , EL (1) (chemical etching)
(stripe) (anode)(2) EL (4)
(2) (cathode)(3) (2)
(Indium Tin Oxide ; , 'ITO')가 (In₂O₃) (SnO₂)
(sealing)(5) , 3
(chip)(10) 3 , EL
On Film) (6) , EL (6) (10) (9) COF(Chip
(8)가
4 2 EL , EL
4 , EL (12) (14) , (14)
(22) (22) (18) (22) EL
(14) EL (20) (12) (work function)가 (14) 가 (22)
(14) , 가 (22) (14) (Cathode) (Anode)
(22) EL (20) (18) 가
EL (20) (14) (22) (14,22)
(exciton)
(Polaron)
5a 5d EL
5a 5d , (12) 5a (14)
(16) (14) 5b 가
(16) (22) 5c (14)
(18) EL (20) (22)
(24) EL (14) (22) 5d
(24) (24)

6a 7c 6c n-2 n 가 가 EL , 7a

6a 7c , EL n n-2 가 EL

(14) 6a 7a (n, n-2) (14) 6b 7b

(18), EL (20) (22) 6c 7c

EL EL EL COF 가 COF

EL COF

(m, n) 가 $m \times n$ $(m-i) \times (n-j)$ $(i, j \mid i, j < m, n)$ 가 $m \times n$ $(m-i) \times (n-j)$ 1 $m \times (n-i)$ $(m-i) \times n$

, 8 11
 8 EL , 4 EL
 가
 8 EL (32) (34)
 (34) EL (40) , EL (40) (34)
 (42) (38) (42)
 EL (32) (work function)가 (34) 가 (42)
 EL (40) 가 (34) (Cathode) (Anode)
) , 가 (42)

(34) (42) EL (40) (18) 가

EL (40) (34) (42) (34,42)

(exciton)

(Polaron)

9a 9c 1 가 EL EL

가 n-2

9a 9c (32) n 가 n-2 9a 가 (34) EL

(34) n-2 (34) (32) (36)

(36) n (36) (34) 가 2 (1,n) 가 (36) n-2

(m × n-2) 2 n-1 n-2 가 (34) (44) 가 (36) n-2

(36) 가 (38), EL (40) (42) 9c n-2

가 EL (34) (42) EL (40)

(exciton)

(1,n) EL (40) (36) n-2 (2 n-1) n-2 (34) m 가 (4

2) EL

10a 10c 2 가 EL EL

가 m-2

10a 10c (32) 10a n 가 m-2 (34) 가 EL

11 (34) m (34) (42)

(34) (32) 10b 2 (36) (36) n (36) (34) (m-

2 * n) m 가 (36) n 가 (34) 가 1 m

m-2 (36) 가 (38), EL (40) (42) 10c m-2

가 EL (34) (42) EL (40)

(exciton)

EL n (Polaron) (34)

(m-2 * n) EL (40) (36) (34) (42) EL
가

EL

가

(57)

1.
m×n(m,n)(, m,n) 가

(m-i)×(n-j)(, i,j i,j < m,n) 가

2.

1

(m-i)×(n-j) 1
i×j 2

3.

2

m×(n-i)

4.

2

(m-i)×n

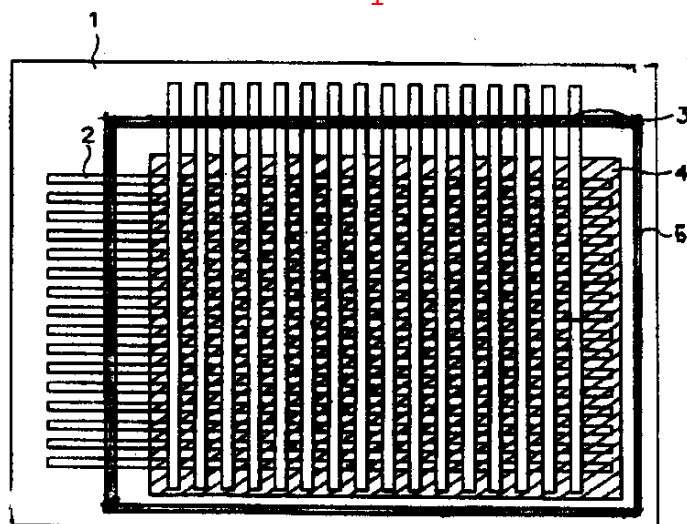
5.

3

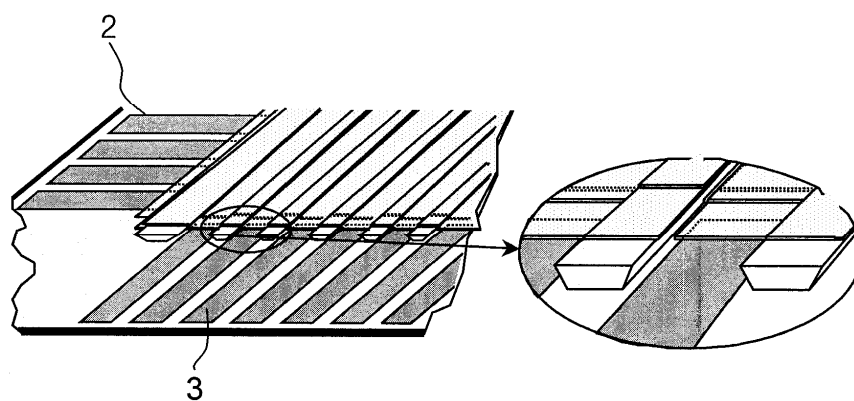
4

i 2

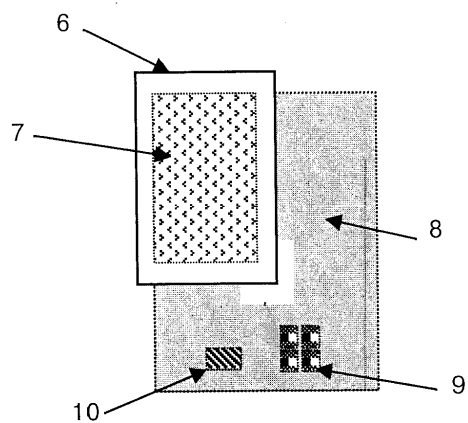
1



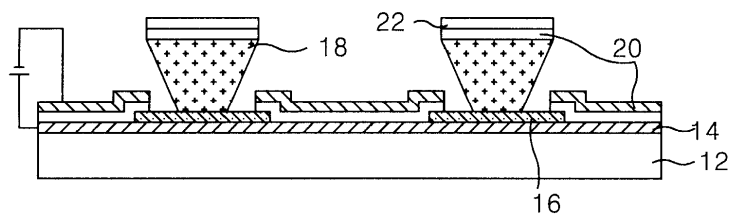
2



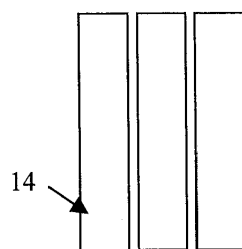
3



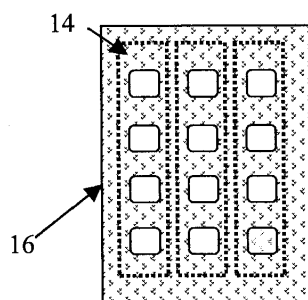
4



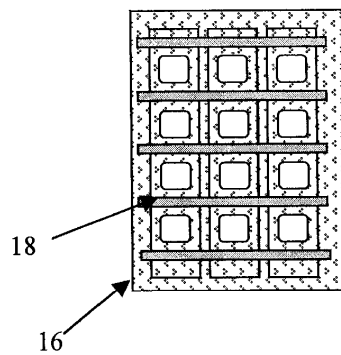
5a



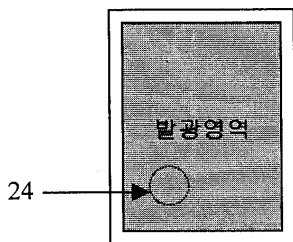
5b



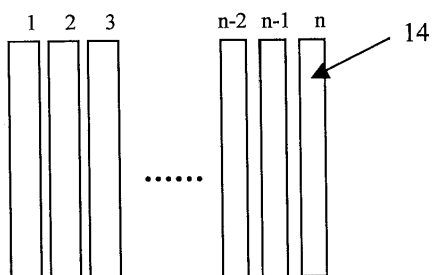
5c



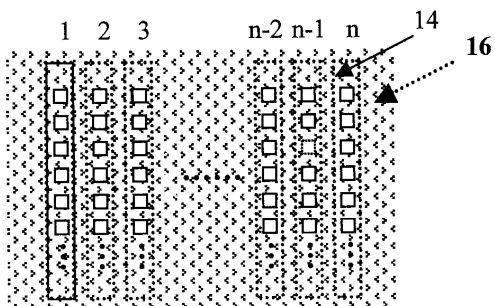
5d



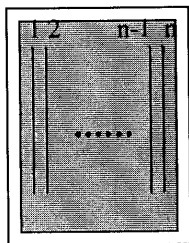
6a



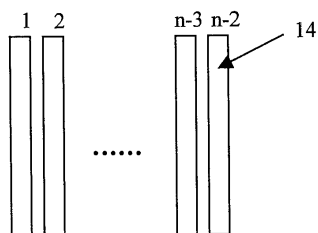
6b



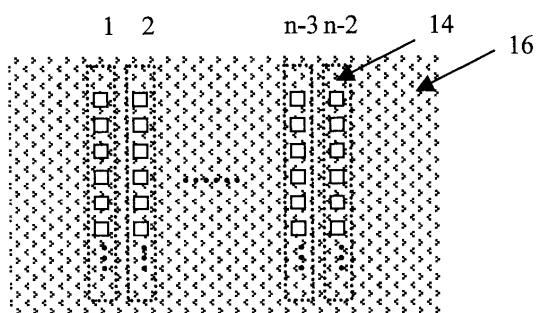
6c



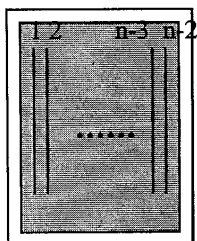
7a



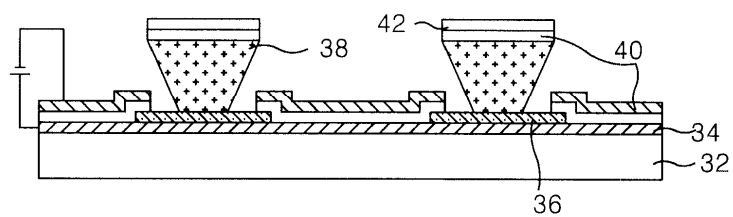
7b



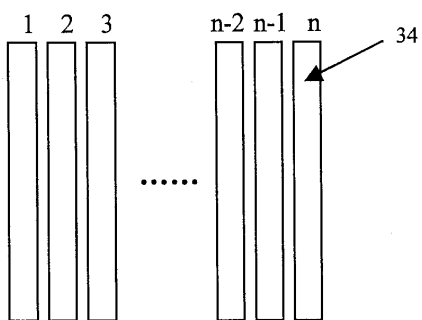
7c



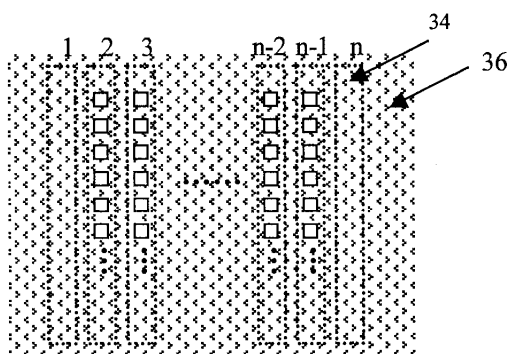
8



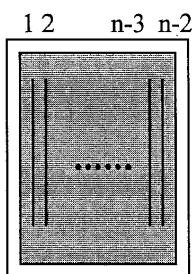
9a



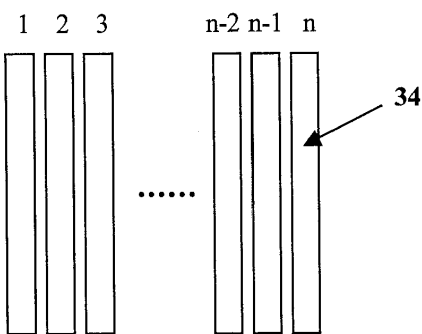
9b



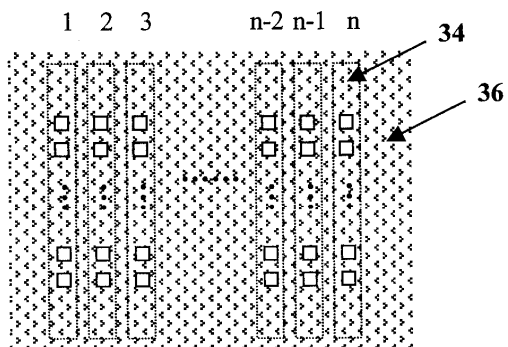
9c



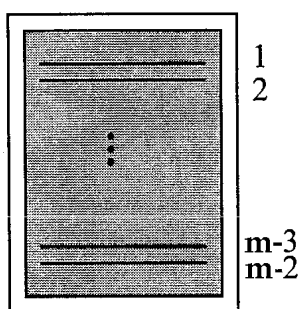
10a



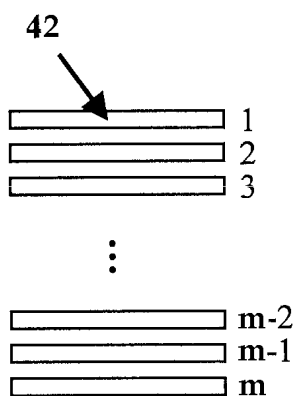
10b



10c



11



专利名称(译)	制造有机电致发光显示板的方法		
公开(公告)号	KR1020030083365A	公开(公告)日	2003-10-30
申请号	KR1020020021873	申请日	2002-04-22
申请(专利权)人(译)	LG电子公司		
当前申请(专利权)人(译)	LG电子公司		
[标]发明人	BAIK KWANGHEUM 백광흠 BAE HYODAE 배효대 PARK HYOUNGGUEN 박형근		
发明人	백광흠 배효대 박형근		
IPC分类号	H05B33/10		
CPC分类号	H01L27/3283 H01L27/3288 H01L51/56		
代理人(译)	KIM , YOUNG HO		
其他公开文献	KR100577995B1		
外部链接	Espacenet		

摘要(译)

技术领域[0001]本发明涉及一种制造有机发光显示面板的方法，该有机发光显示面板能够通过绝缘膜形状形成各种显示面板形式。制造有机光根据本发明的发光显示面板的方法是 $m \times n$ 个（ M ， N 是扫描线和数据线的数量）（其中 m ， n 是正整数）的有机发光是输入的分辨率的图像数据在显示面板的制造方法中，在透明基板上的形成在条带形式的多个透明电极，透明电极（ $M1$ ） $\times$ （新泽西州）（只， I ， J 是 I ， $J < M$ ， N 并且，在除孔之外的绝缘层上形成阻挡肋，该方法包括以下步骤：形成具有正整数的矩阵型孔图案的绝缘膜，，和形成有机发光层，以对应于孔图案的透明基板上，其特征在于，它包括形成多个金属电极成正交于所述有机发光层上的透明电极的工序。图9b

