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H05B 33/04

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(43)

2003-0090701
2003 11 28

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(30) JP-P-2002-00027123 2002 02 04 (JP)

(71) 가 가
1 1 1

(72)	360-0841	가	1278-2	202
	921-8805		2 95	2-301

(74)

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(54)

,	(1)	(100)		(200)	.	(102)	(100)
	(10)	,	.	(20)	,	(102)	(102)
(40)			(10)		.	(100)	(200)
			(102)			(20)	EL
			(300)가			(200)	

2

, , EL,

(EL)

, , EL 가 . EL , 가 , EL , EL , EL

EL 1ppm, EL 가 (露点) 가 μm 가 (粒狀), EL

$\frac{E_L}{E_L}$,

가

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EL (40) 1 (60), 2 (66), (64) . 2 (64) 1 (60) 1 (60)
 , , , , , 2 1 (66) (60) 1 2 (66)

(10) (100) P (102) , N (20) , EL (30) , EL (40)
 , (20) EL (40) (10) . EL (40) , EL (40)

, (100) EL X , EL (40) (102) 1 , Y , EL (40) P
 , (100) (107) , X , (102) , (104) , Y , (108) Y

Y (107) , Y X (30) , (10) (20) , (108) (20) EL (40)
 (10) Y X (30) , (20) , (20) EL (20) (40)

P (104) , 1 , 2 EL (40)
 2 (104)

, (10) Y , N X (20) , (20) , (10) (30)
 P , EL (40) 1 (60) , (20) , EL (40) , (30)

, (10) Y , X (20) , P , EL (20) (40) , (30)
 , (20) , P , EL (20) (40) , 가

3 (100) (20) EL (40)
 , (20) (20) (20G) (120) (20P) (20P) (20P)
 , (20) (20S) (20PS) (52) (54) (20D) (93)
 , (20P) (94) (20P) (20D) (52)
 (54) (20PD)

EL (40) (54) (56) 1 (130) , EL (40)
 , 1 (SiO) (60) (130) , (130) , (130) , (130) 1 (60)
 , 1 (60) , 1 (56) (60) ITO(Indium Tin Oxide: (56) (20) IZO((95)

20D)) 1 (60) 2 (66) (64)

3 , 3 , , , ,
 , , , , , , , ,
 , PPV() , ,
 EL (40) , 2 (66) , Ca(), Al() EL (40)
) (64) , 2 (66) ,), B(), Ag()
 (200) (200) (102) (202) (202) (204) EL (4
 0) (200) (202) (204) . (204) EL (4
 (100) (102) (100) (200) (300)
 (300) (102) (130) (200) (300)가
 (104) (200) (102) (102) (100) (300)가
 (200) (300)가 (200) (130) (202)
 (130) (300)가 (130) (200) (204)
 , (300) 1 (102) (100) (300)
 , , (200) (104) (100) (300)
 , (102)가 . (102) (100) (300)
 (300) (300) (300) (130) (102)
 (130) (300) (300) (130) (300) (1
 , (300) (200) (100) (102)
 130) (300) EL (40) , , ,
 (130) (300) , , , ,
 (100) (200) (400) (400)
 (400) , (400) (400) (400)
 , (200) (202) (204) (400)
 , (100) (200) (300) ,
 (102) (300) , , ,
 (300) 가 (100) (200) (200)
 40) 가 , (100) (200) (200)
 (300) , , (200) (204) , 가
 , EL (40) , 1 (62) 2 (66) (64)
 , EL (100) , , 1 (60) (失活)
 , EL , , , 1
 EL , , , , EL
 , 4 5 (500) (500) EL
 (102) , , , (102) , (10), (20), (10)

7, 108)	TFT				(30),	(52),
, TFT	TFT	(56)		(10)		X
1 (60)				(56)	(40)	
				(20)	(20D)	1 (60)
,	(102)	,	(40)		(130)	,
				1 (60)		
,		(130)		EL (40)		
				(102)		(130)
,						
,	(130)		1 (60)	,		
	(64)			(64)	2 (66)	
(40)						EL
,	(200)	(202)	(204)		(500)	(400)
,		(300)			(400)	,
,	(500)	(200)	(102)		(200)	
	(300)	(500)				
0)		(500)	(200)			
,	(500)	EL	(單個)			,
			(500)			
,		SL		SL		SL
		(500)		가		
SL	1 (500)		EL		(300)	(300)가
,				(500)		
,			,	(300)	가	SL
,	EL	가			5	
00)가			(500)		SL	(3)
,					가	
,	(300)	(200)				
	(300)	(100)				
			(200)			
,	EL	EL			2	
					EL	
,						
6 7	(107, 108)			(1) (500) (102)		(102)
				(600)		(300)
,	(200)		(400)		(202)	(204)
0)	(600)					
,	(400)		(100)			
			(500, 600)			
			(100)			
				(200)		
					EL	
						가

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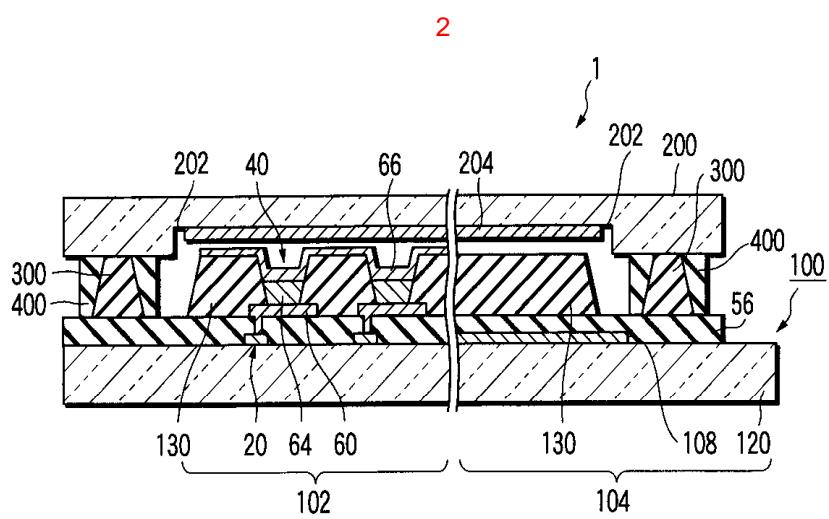
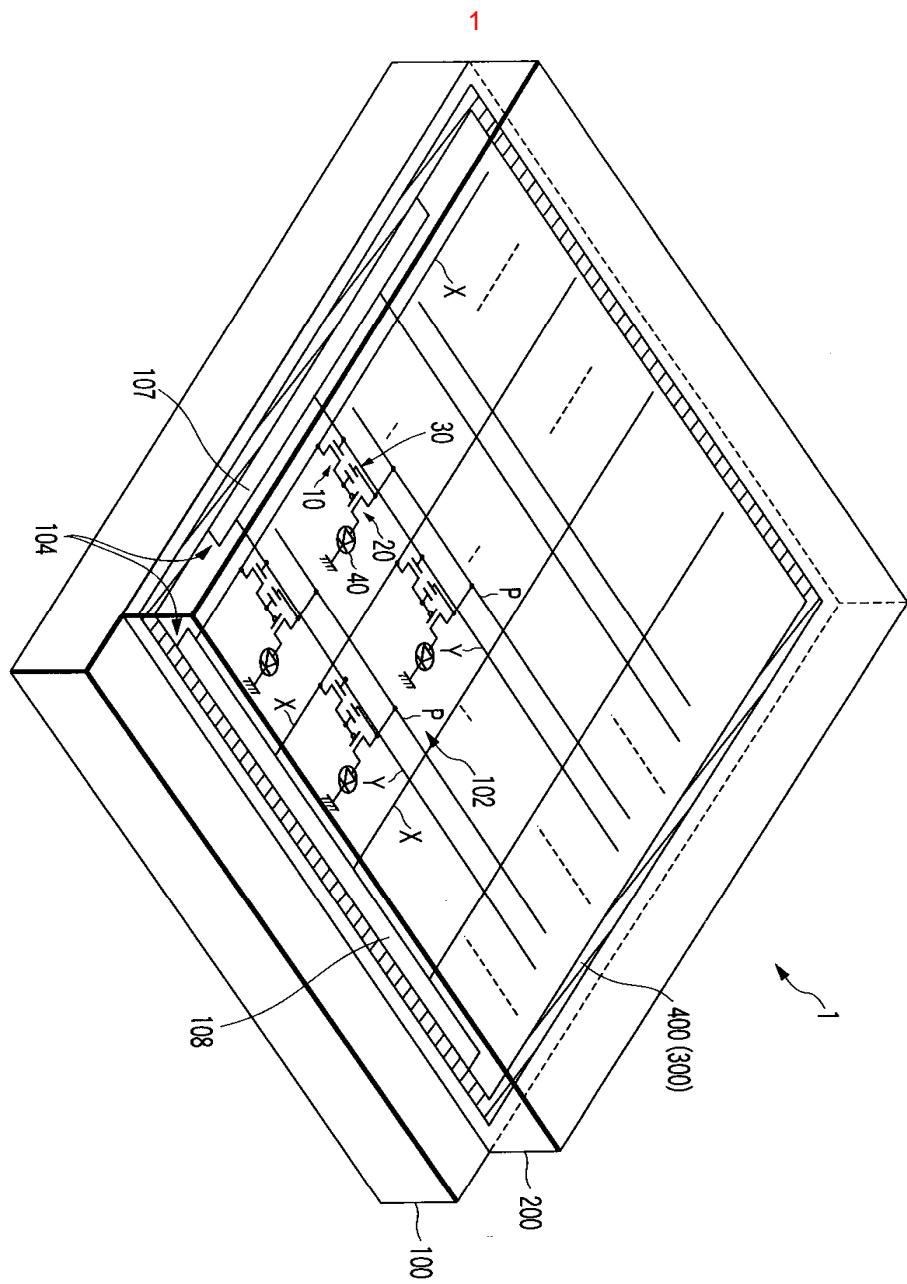
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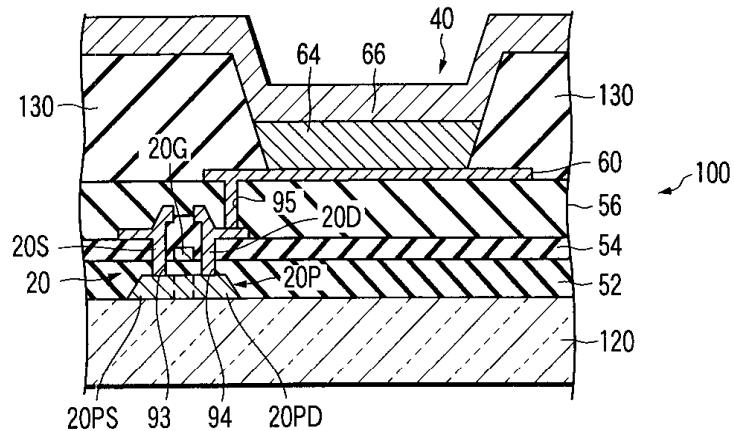
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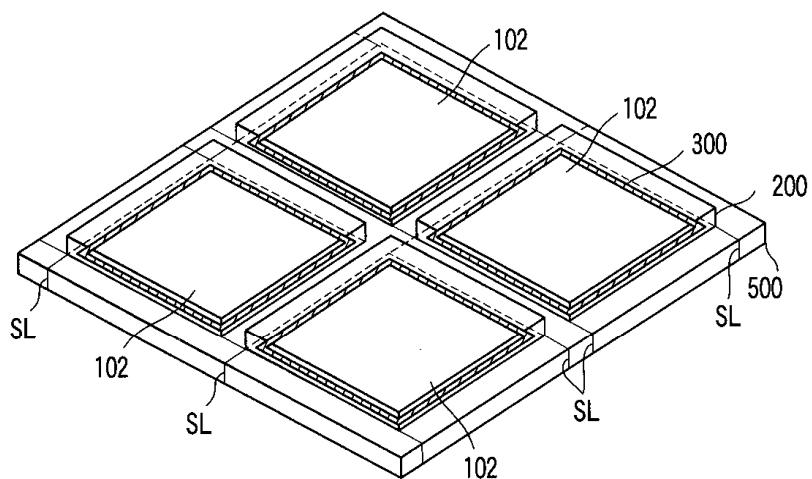
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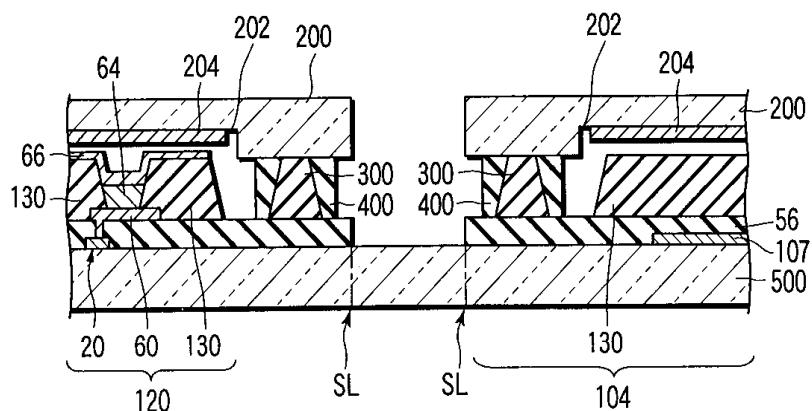
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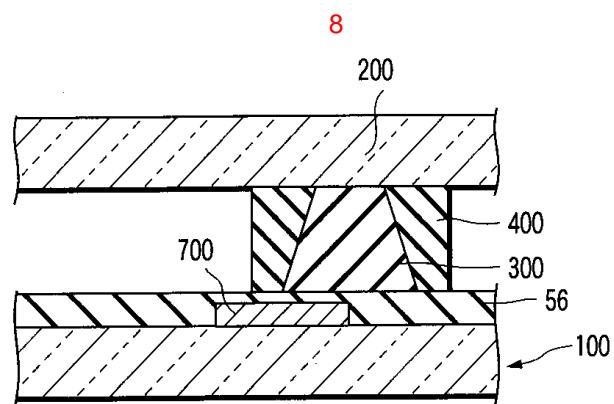
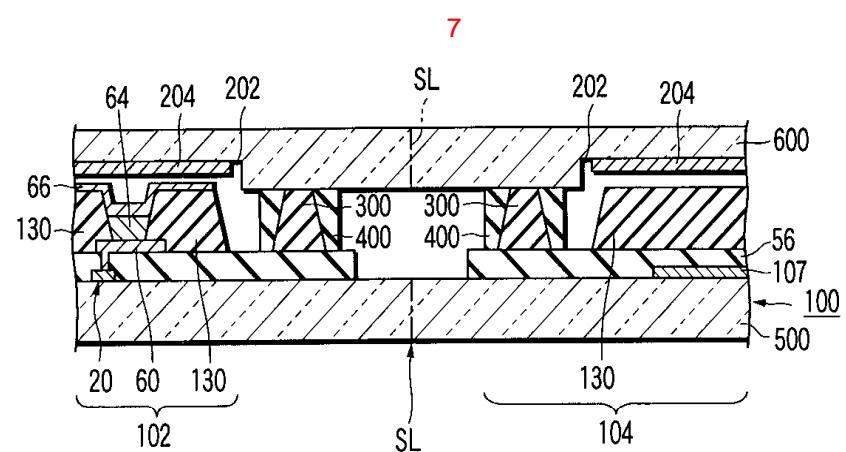
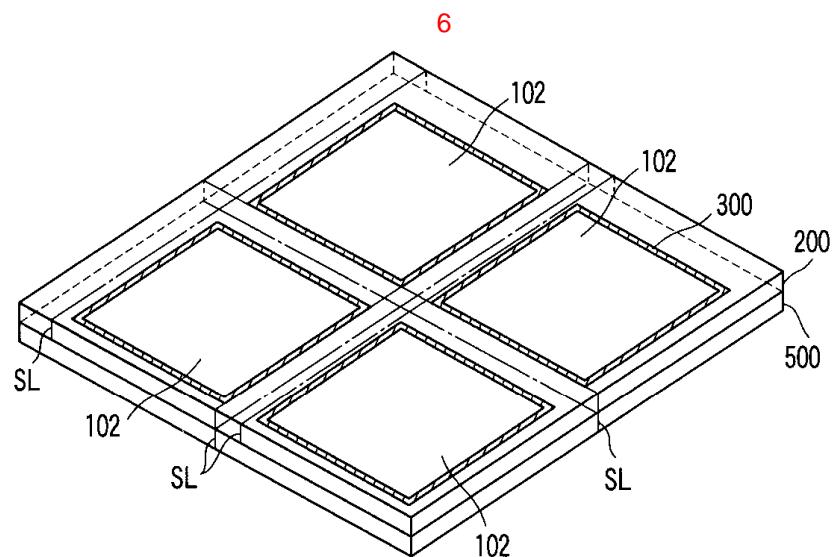


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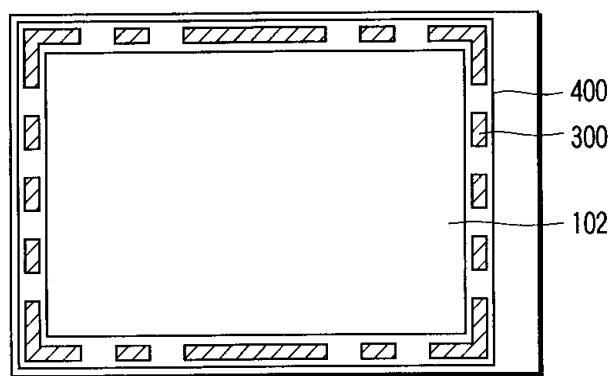


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专利名称(译)	显示装置及其制造方法		
公开(公告)号	KR1020030090701A	公开(公告)日	2003-11-28
申请号	KR1020037012897	申请日	2003-01-31
[标]申请(专利权)人(译)	株式会社东芝		
申请(专利权)人(译)	Sikki东芝股份有限公司		
当前申请(专利权)人(译)	Sikki东芝股份有限公司		
[标]发明人	TOMIMATSU TOSHIFUMI 도미마쓰 도시후미 KOBAYASHI MICHIIYA 고바야시 미찌야		
发明人	도미마쓰 도시후미 고바야시 미찌야		
IPC分类号	H05B33/04 H01L51/50 H01L27/32 H01L51/56 G09F9/30 G09F9/00 H01L51/52 G09G3/32 H05B33/22		
CPC分类号	H01L51/56 G09G2300/0842 H01L27/3246 G09G3/3208 G09G3/3225 H01L51/5237 H01L2251/566 H01L51/5246 H01L51/525 H01L51/5259		
代理人(译)	CHANG, SOO KIL		
优先权	2002027123 2002-02-04 JP		
其他公开文献	KR100565409B1		
外部链接	Espacenet		

摘要(译)

显示装置(1)包括面对阵列面板(100)的密封基板(200)，其配备有由布置为矩阵形状的多个像素和阵列面板(100)组成的显示区域(102)并且被布置。显示区域(102)包括像素开关(10)，选择像素和控制执行装置(20)，连接到像素开关(10)和用控制执行装置驱动的有机电致发光显示器(40)(20)。在显示区域(102)的周围，支撑部分(300)被布置为框架形状，以便在阵列面板(100)和密封基板(200)之间形成预定间隙。间隙，气密密封，有机EL，辐射。

