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(86) 2002 06 07

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(87) 2002 12 27

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(72) , 141-0001 가 가 6 7-35 가 가

(74)

(54)

## EL(ELECTRO LUMINESCENCE)



51

EL

가

1/2

EL

EL

1A	1C	1
2A	2C	1
3	2A	2C
4A	4C	1
5A	5B	1
6A	6C	1
7		
8A	8B	2
9A	9D	2
10A	10D	

가

[ 1 ]

1  
TFT(12)가  
TFT(12)  
TFT (10), TFT(12), 1 (14)  
PSG(Phospho-Silicate Glass)  
가 1 (14) (16A, 16B)  
(16A, 16B), TFT(12)  
1B (16A, 16B)  
(16A, 16B)  
(18) 2 (18)  
2 (18) 2 (18)  
2 (18A)  
2 (18)  
1C (16A)  
EL (20)  
가



	(26Bd)	, tris(8-quinolinolato)aluminium(III)(Alq3)	30nm	
,	4C	, (24) (20) R	(24A) R EL (26R)	
,	(26Ra)	, 4,4',4' - tris(3-ethylphenylphenylamino)triphenylamine(m-MTDATA)	55 nm	
,	(26Rb)	, 4,4'-bis[N-1-naphthyl-N-phenylamino] biphenyl(-NPD)	30nm	
,	(26Rc)	, 2,5-bis[4-(N-methoxyphenyl-N-phenylamino)styryl] benzene-1,4-dicarbonitrile(BSB-BCN)	14nm	
,	(26Rd)	, tris(8-quinolinolato) aluminium(III)(Alq3)	30nm	
,	EL (26)	, 5A (28) , (28)	EL (26) ,	( ) (28)
가	(28) , (22)			EL (26) 14nm (23)
,	5B (28)		( ) (30) EL (26) 100	(30) , CVD 가
,	2C	4 (50 56) , ,	(50 56) (50 56)	, R, G, B (60) 2
,		(60)	, 6A	UV (62)
,	(66) (60) (62) (66)	1 (66)	, 6B (50 56) (60)	, (64) 가 , UV (60)
4)	6C	가	(60) UV (62) 가	(66) (60) 6C
,	(66)	100μm (64) 가	(22)	가 (50 56) UV
,	(68) (62) (70)		(23) 6C (60) (66)	6C (50 56) UV
,		(70) (50 56)	(23) (68)	가 (64)



(2) ,

(3) 가 , EL , , EL , 가

(57)

1.

가

2.

3.

2 ,  
EL

4.

2 ,  
EL , 가

5.

6.

7.

6 ,

8.

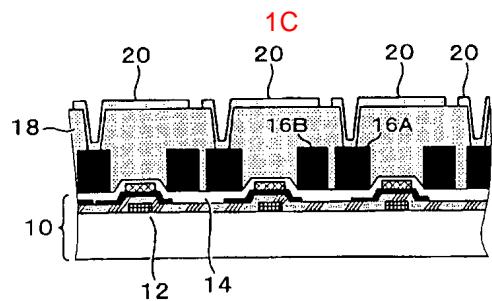
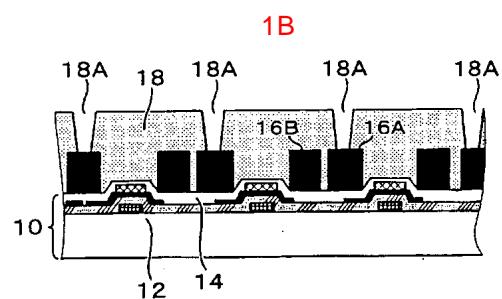
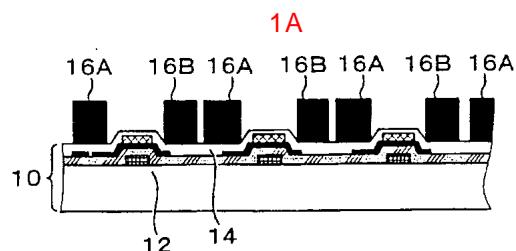
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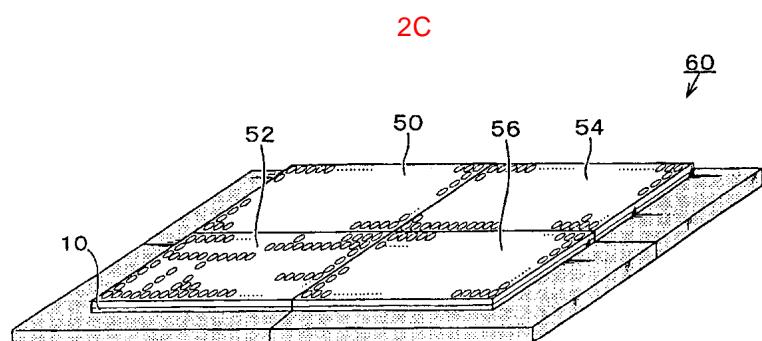
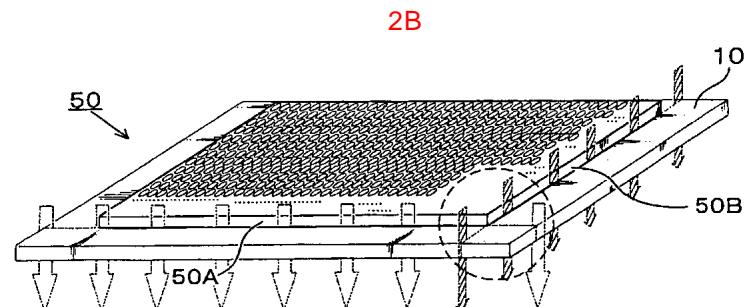
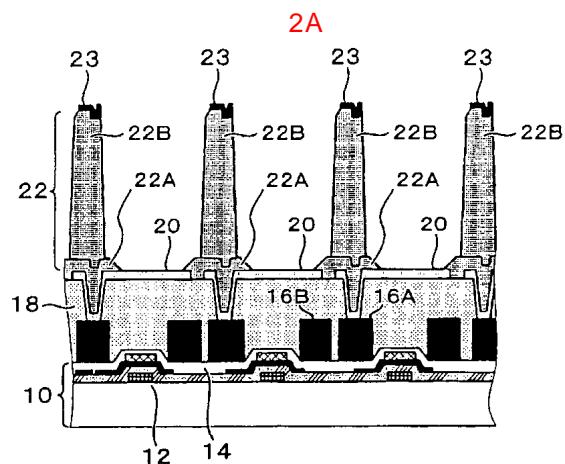
EL , EL ,

가	EL	(60)	, UV	(62)	, UV	(66)	(62)	,
(66)	, UV	(60)	, UV	(23)	UV	(66)	(66)	,
, (64)가	(22)	, UV	, UV	, UV	, UV	, (62)	, (50 56)	(6)
(68) 0)	(66)					(70)		

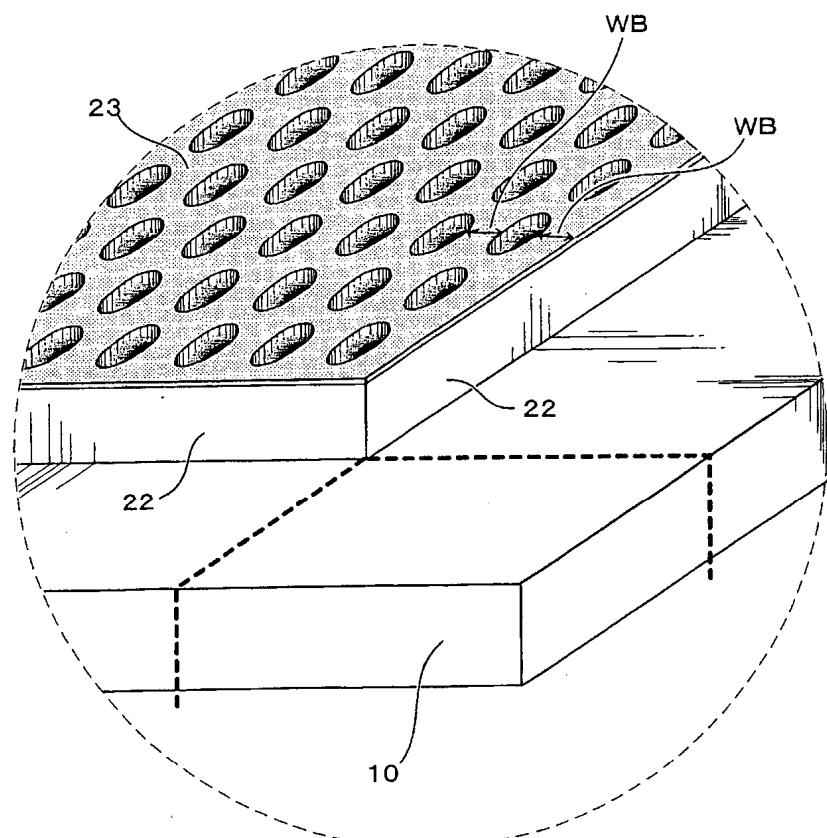
6C

EL,

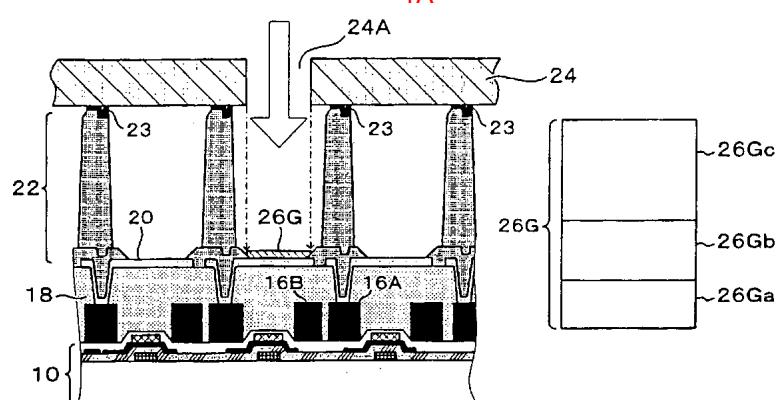




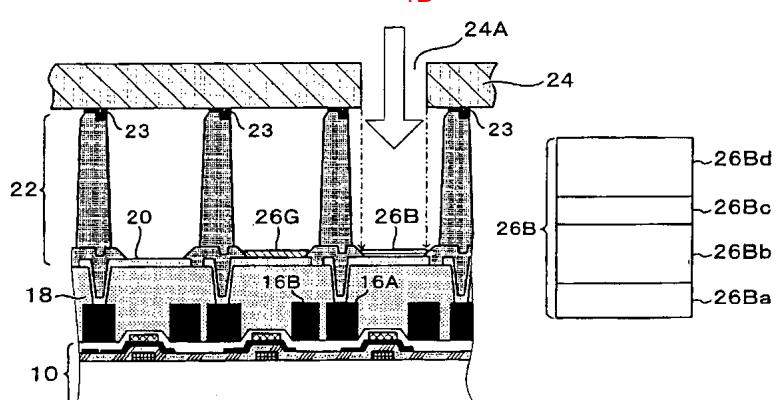
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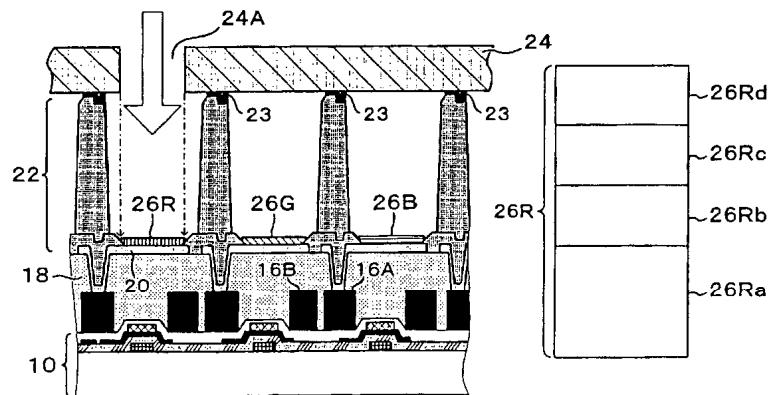
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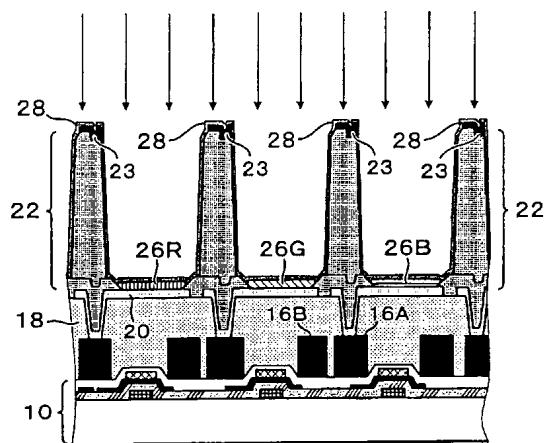
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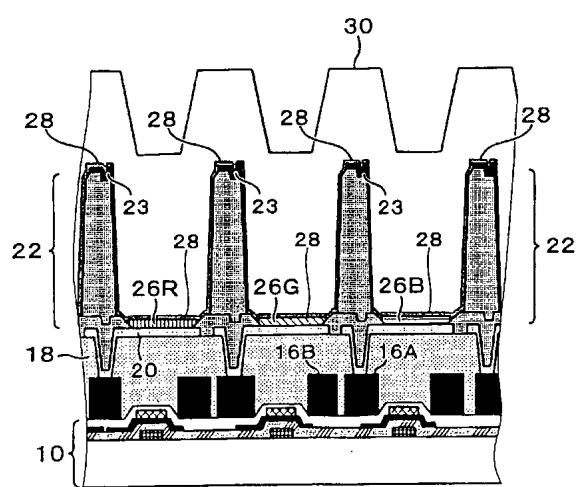
4C



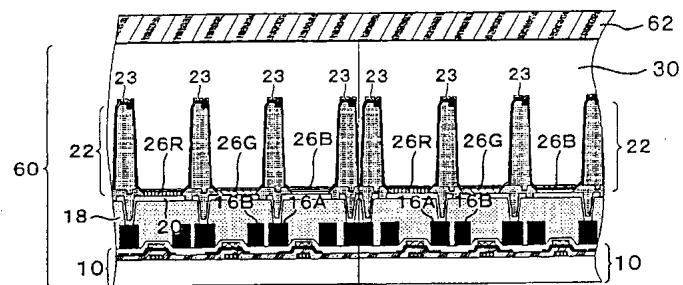
5A



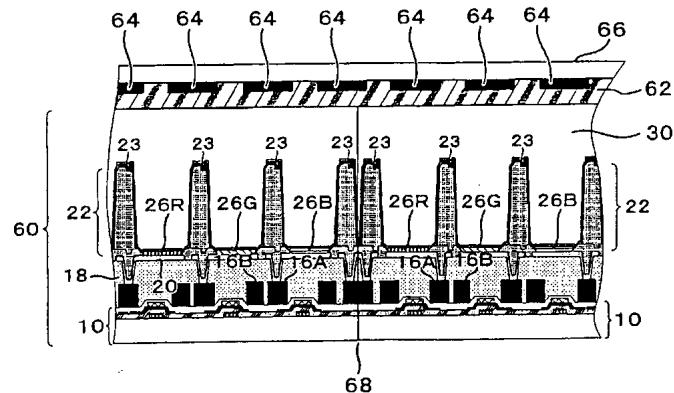
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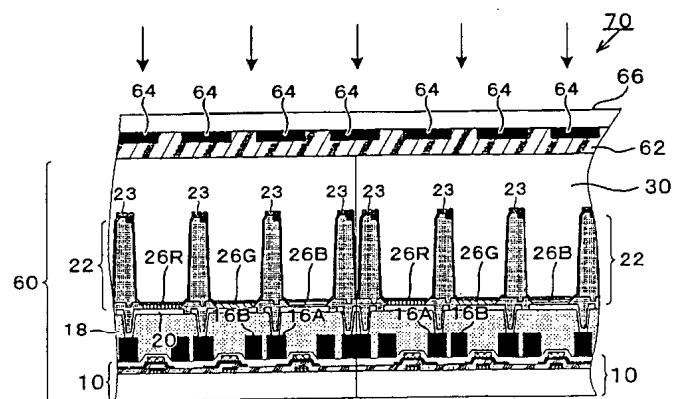
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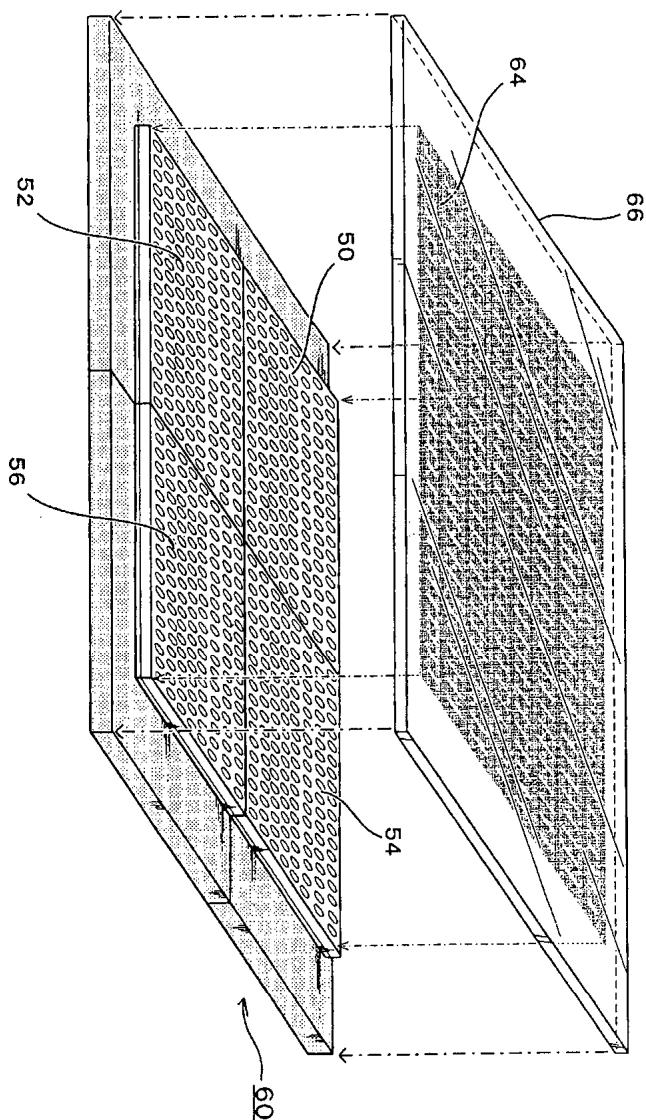
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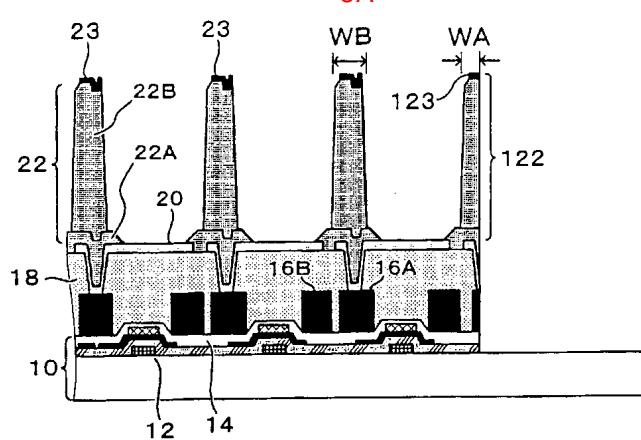
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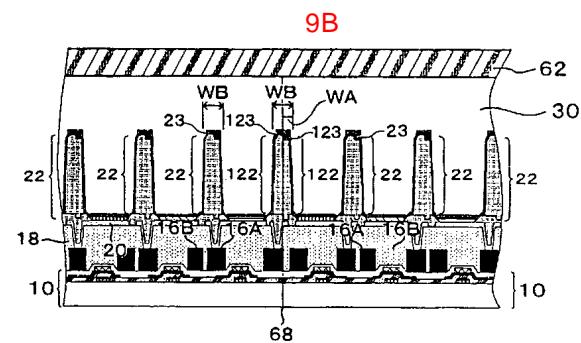
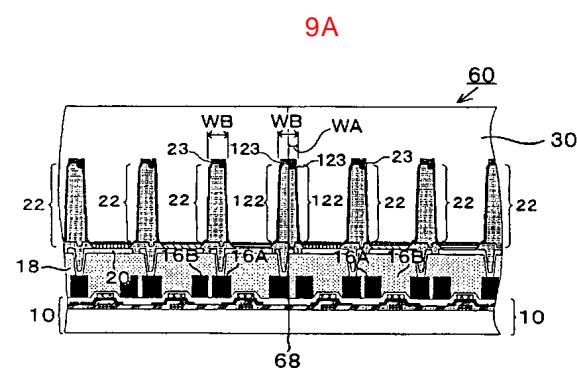
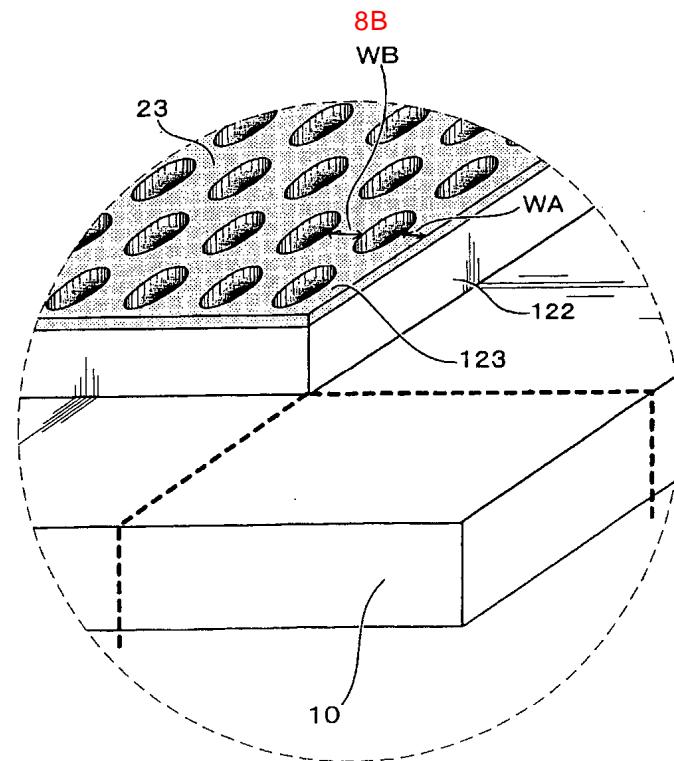


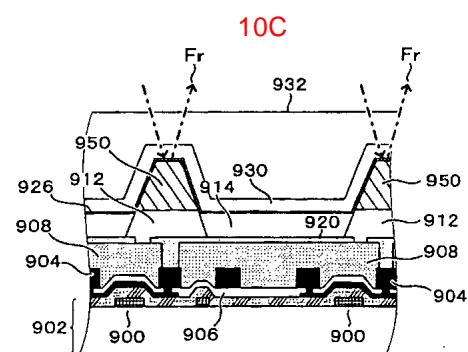
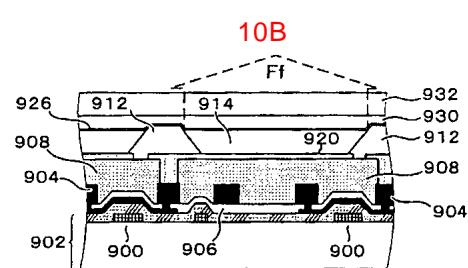
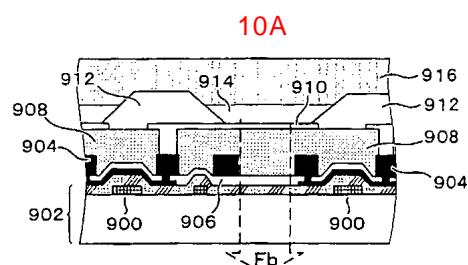
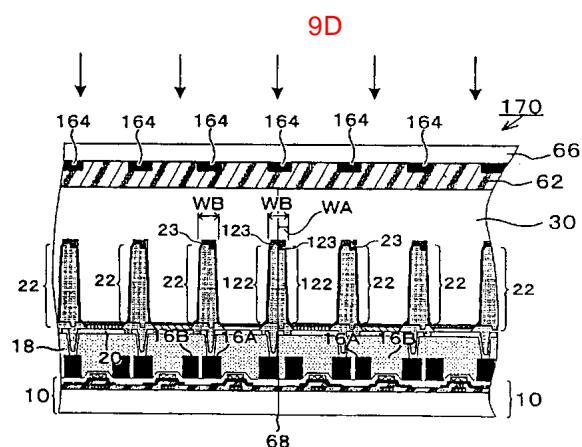
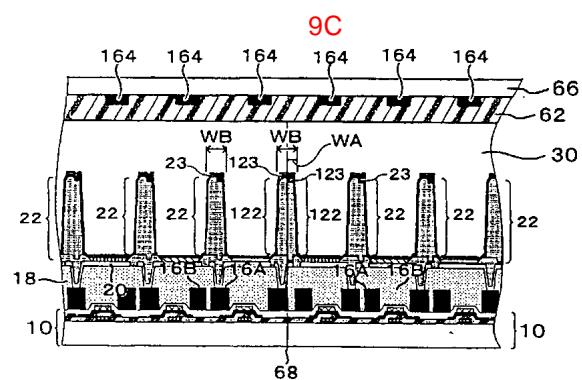
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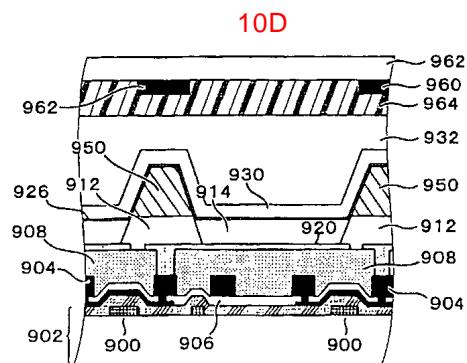


8A









专利名称(译)	轮胎环显示装置及其制造方法		
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申请号	KR1020037002041	申请日	2002-06-07
[标]申请(专利权)人(译)	索尼公司		
申请(专利权)人(译)	索尼公司		
当前申请(专利权)人(译)	索尼公司		
[标]发明人	CHIBA YASUHIRO 찌바 야스히로 URABE TETSUO 우라베 테쓰오		
发明人	찌바, 야스히로 우라베, 테쓰오		
IPC分类号	H01L51/50 H01L27/32 H05B33/10 H05B33/26 H01L51/56 G09F9/30 G09F9/00 H01L51/52 H05B33/22 G09F9/40		
CPC分类号	H01L51/56 H01L51/5203 H01L2251/5315 H01L27/3293 H01L51/5281 H01L27/3295 H01L51/5237 H01L51/5246 H01L51/5253		
代理人(译)	CHU , 晟敏		
优先权	2001179148 2001-06-13 JP		
外部链接	<a href="#">Espacenet</a>		

## 摘要(译)

一种系带型显示装置及其制造方法，使用有机EL显示面板，其中通过黑色矩阵改善对比度。UV可固化树脂62涂覆在拼接型显示板60的主表面上，并且密封基板66粘合到树脂涂覆表面上。此时，应注意不要在UV固化树脂62和密封基板66之间混合气泡等。接下来，调整拼接型显示面板60和粘合密封基板66之间的相对位置关系。进行该位置调整使得黑矩阵64恰好位于肋22的辅助配线23的上方，并且刚好位于显示面板50至56之间的边界线68的上方。之后，照射UV光以固化UV可固化树脂62，并且将拼接型显示面板60和密封基板66的相对位置固定以获得拼接型显示装置70。图6C指出了方面领带环，发光层，空穴传输层，显示板，有机EL，黑色矩阵

