

(19)  
(12)

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H05B 33/04

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(43)

2003-0079790  
2003 10 10

(21) 10-2003-0021166  
(22) 2003 04 03

(30) 10/116,307 2002 04 04 (US)

(71) 343

(72) 14625 36

14610 281

14580 526

(74)

:

(54)

; (OLED) ; OLED  
OLED (top-emitting) OLED OLED  
OLED

2

1 (top-emitting) OLED

1a OLED  
OLED

2 1 , OLED

3 2

4 2 ,

5 3 ,

6 ,

7

8 OLED (conformal)

9

가

가

10 OLED

12

13

14 TFT

15

16 1

17 2

18 1

19B EL

19G EL

19R EL

24

24B

24G

24R

30 2

32

36  
36'  
40  
40'  
103  
105  
107  
109  
111  
113  
250 /  
260

OLED (OLED) , OLED , OLED

(OLED) / (cover)

1000ppm ,

가 [ : ' 2001 5 8 (Boroson) 6,226,890 B1 ] .

(bottom emitting) OLED '가

(enclosure)

(top-emitting) OLED' ,

OLED

OLED

; OLED (OLED) ; OLED

OLED OLED

가

OLED

OLED

가

1 TFT (16) (17) (18) OLED (TFT) (16) (18) (12), (14) OLED TFT TFT 가 가

1 EL (18) EL (19R, 19G 19B)가 EL OLED OLED 가 가

) , TFT (14) 가 EL 가 (18) 2 (30) OLED (32) (36)가 2 가 가 OLE

D 가 (32) (32) (32) SiO<sub>x</sub> 2 (30) 가 가 20011268 (Teflon)( ), 11-162634 (32) 6,268,295 (32) WO 00/36665 70% OLED

64 (32) (32) (32) SiO<sub>x</sub> 2 (30) (Teflon)( 20011268 ), 11-162634 (32) 6,268,295 (32) WO 00/36665 70% OLED

(32) (32) (32) SiO<sub>x</sub> 2 (30) (Teflon)( 20011268 ), 11-162634 (32) 6,268,295 (32) WO 00/36665 70% OLED

R, G B (40) OLED (19R, G B) 24 EL 1 3

3 (10) (40) ( 3 ) (24R, 24G 24B) OLED

OLED (40) (photolithograph) OLED 가 가 가

가 OLED , 가 (40)

7 (36) OLED (24) (40)

(36) 7 TFT , EL , 2 (13)

가 , 가

(40) (40') (40) , 가

가 가 가

(stray light)

가 가

가

2 OLED OLED (36) 4

(40) 가 OLED (36) (36) ,

( ) .

, OLED

5 , 가 (40) (24)

EL

, 2 (17) . 2 1

2 (17) 1 (18) 가 , 2 (30)

. 2 가

, 2 1 (16)

6



730	.	(Brantley)	3,567,450	3,658,520	
	/				
.		3	4,720,432	5,061,569	2
	3		3		
	:				

- 1,1- (4- - p - ) ;
- 1,1- (4- - p - )-4- ;
- 4,4'- ( ) ;
- (4- -2- )- ;
- N,N,N- ( p - ) ;
- 4-( -p- )-4'-[4( - p - )- ] ;
- N,N,N',N'- - p - -4,4'- ;
- N,N,N',N'- -4,4'- ;
- N,N,N',N'- -1- -4,4'- ;
- N,N,N',N'- -2- -4,4'- ;
- N- ;
- 4,4'- [N-(1- )-N- ] ;
- 4,4'- [N-(1- )-N-(2- ) ] ;
- 4,4'- [N-(1- )-N- ]p- ;
- 4,4'- [N-(2- )-N- ] ;
- 4,4'- [N-(3- )-N- ] ;
- 1,5- [N-(1- )-N- ] ;
- 4,4'- [N-(9- )-N- ] ;
- 4,4'- [N-(1- )-N- ]- p - ;
- 4,4'- [N-(2- )-N- ] ;
- 4,4'- [N-(8- )-N- ] ;
- 4,4'- [N-(2- )-N- ] ;
- 4,4'- [N-(2- )-N- ] ;
- 4,4'- [N-(2- )-N- ] ;
- 4,4'- [N-(1- )-N- ] ;
- 2,6- ( - p - ) ;

2,6- [ -(1- ) ] ;  
 2,6- [N-(1- )-N-(2- ) ] ;  
 N,N,N',N'- (2- )-4,4'- - ρ - ;  
 4,4'- {N- -N-[4-(1- )- ] } ;  
 4,4'- [N- -N-(2- ) ] ;  
 2,6- [N,N- (2- ) ] ;  
 1,5- [N-(1- )-N- ] .

1 009 041

(3,4- (N- )/ (4- )(PVK), , PEDOT/PSS  
 L)(109) 4,769,292 5,935,721 , EL (LE  
 5 , WO 98/55561 , WO 00/18851 , WO 00/57676 , WO 00/7065  
 10 % ( (p- ), PPV) 0.01  
 가

4,768,292 , 5,141,671 , 5,150,006 , 5,151,629 , 5  
 ,405,709 , 5,484,922 , 5,593,788 , 5,645,948 , 5,683,823 , 5,755,999 , 5,928,80  
 2 , 5,935,720 , 5,935,721 , 6,020,078 ,

8- :

CO-1 : [ , (8- ) ( )];  
 CO-2 : [ , (8- ) ( )];  
 CO-3 : [ {f}-8- ] ( );  
 CO-4 : (2- -8- ) ( )- μ - - (2- -8- ) ( );  
 CO-5 : [ , (8- ) ];  
 CO-6 : (5- ) [ , (5- -8- ) ( )];  
 CO-7 : [ , (8- ) ( )];



, OLED

, RGB

OLED

OLED

(57)

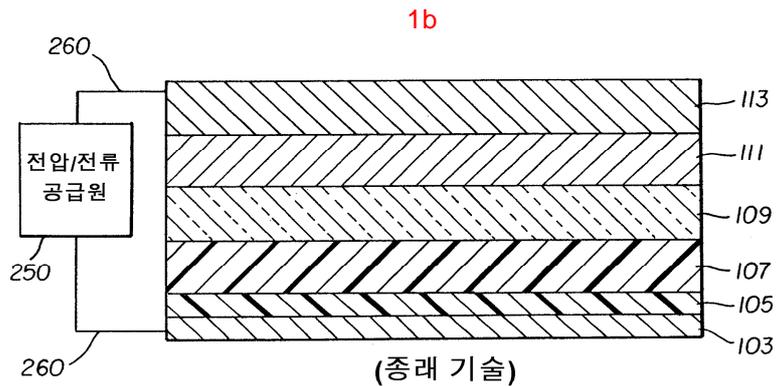
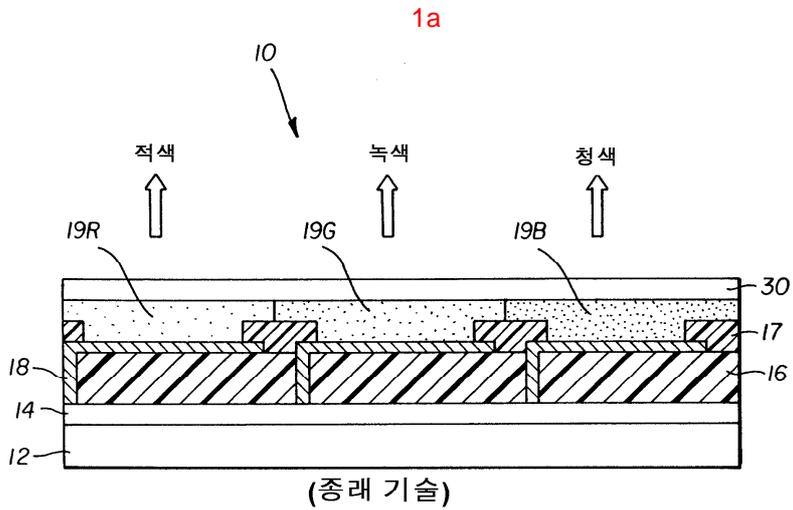
1.

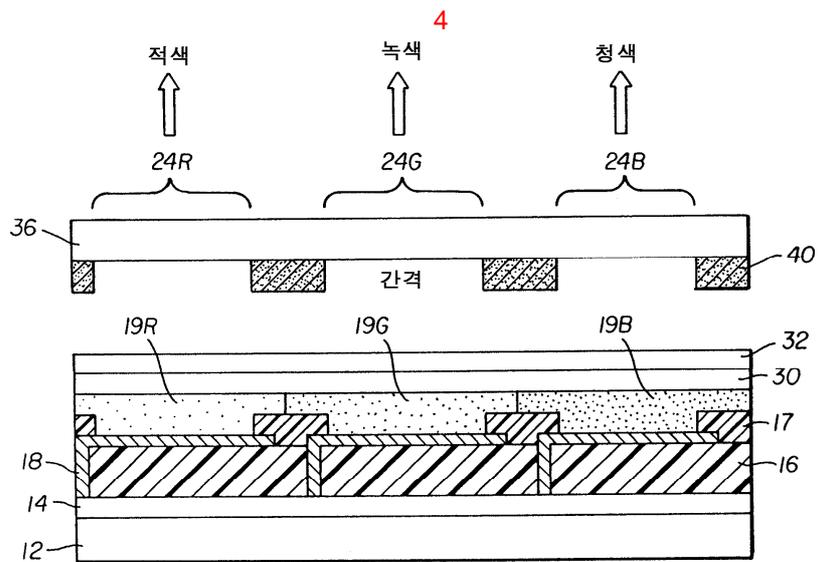
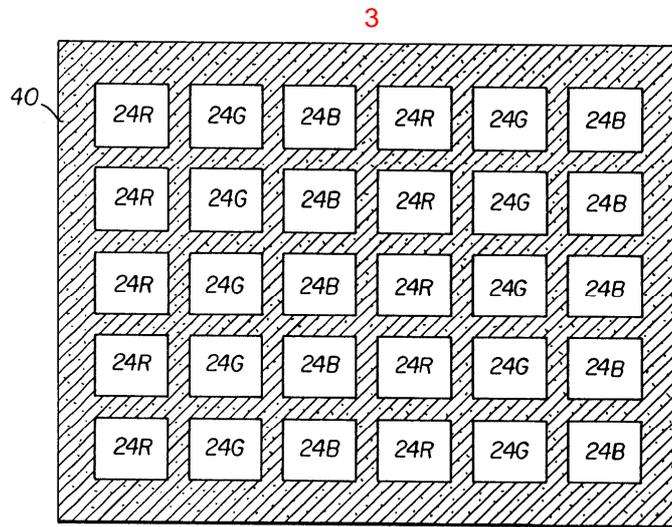
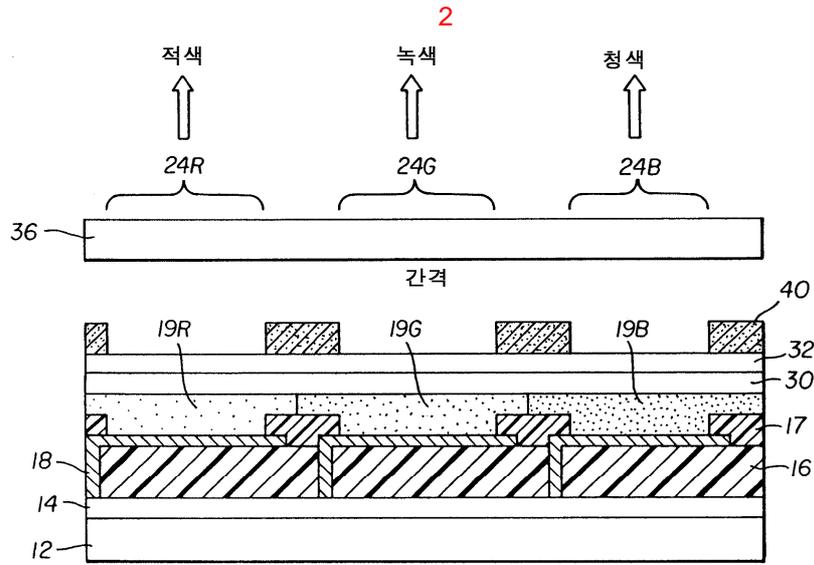
(a) ;

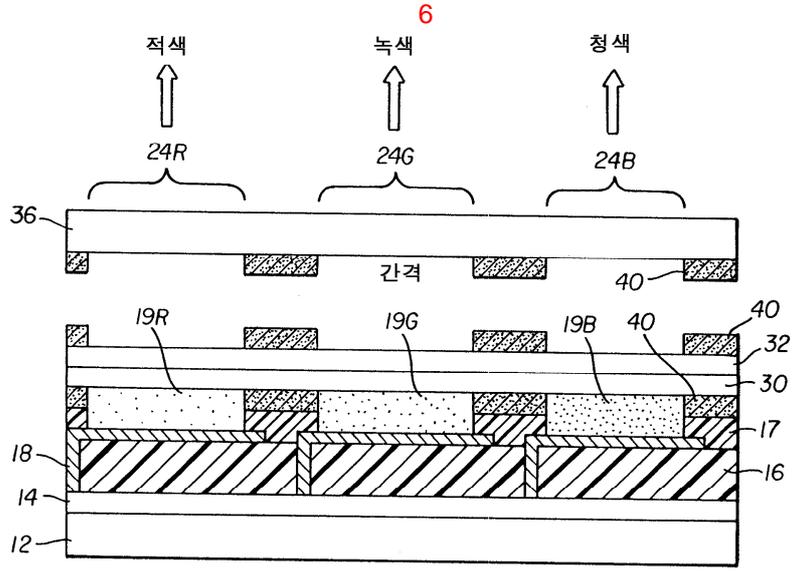
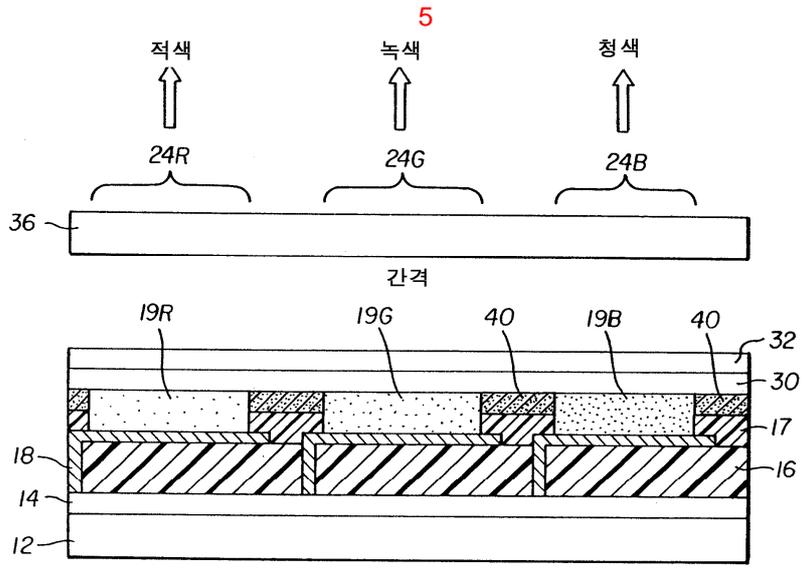
(b) (OLED) ;

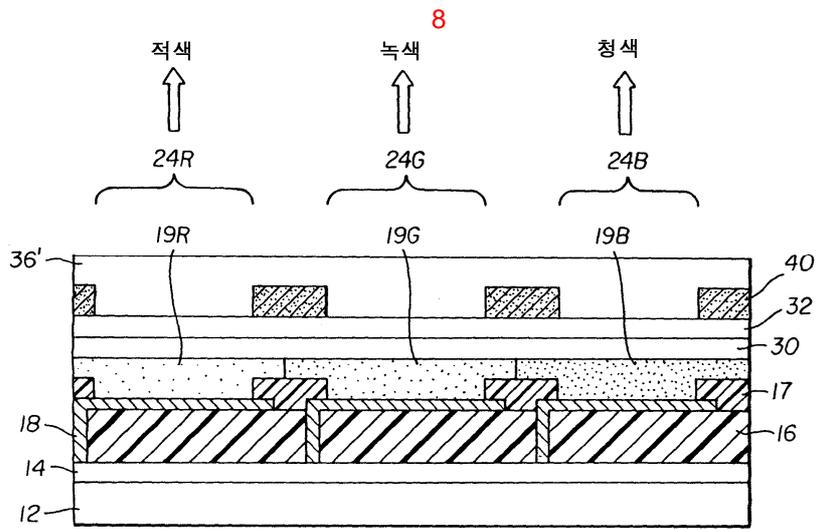
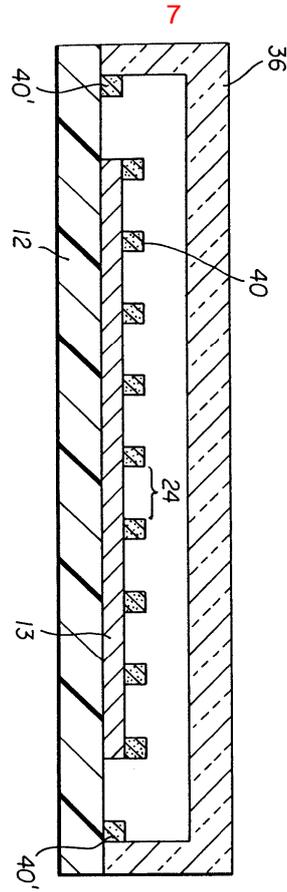
(c) OLED OLED

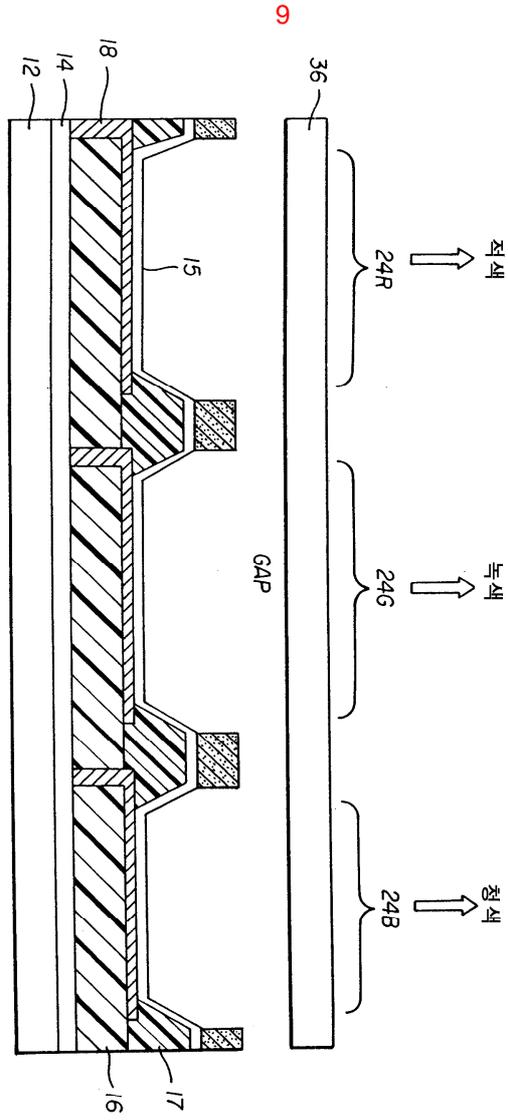
(top-emitting) OLED











专利名称(译)	用于有机发光二极管显示器的干燥剂结构		
公开(公告)号	<a href="#">KR1020030079790A</a>	公开(公告)日	2003-10-10
申请号	KR1020030021166	申请日	2003-04-03
[标]申请(专利权)人(译)	伊斯曼柯达公司		
申请(专利权)人(译)	柯达公司针		
当前申请(专利权)人(译)	柯达公司针		
[标]发明人	COK RONALDSTEVEN 코크로날드스티븐 BOROSON MICHAELLOUIS 보로스마이클루이스 OTOOLE TERRENCEROBERT		
发明人	코크로날드스티븐 보로스마이클루이스 오톨레테렌스로버트		
IPC分类号	H05B33/04 H01L51/50 H01L27/32 H01L51/56 H01L51/52		
CPC分类号	H01L51/56 H01L27/3244 H01L27/3211 H01L2251/5315 H01L51/5237 H01L27/3295 H01L51/5259 H01L51/5284		
代理人(译)	KIM, CHANG SE 张居正, KU SEONG		
优先权	10/116307 2002-04-04 US		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

基板本发明涉及基板;有机发光二极管(OLED)元件阵列设置在基板的一侧;并且,在与OLED元件阵列相同的基板表面上的OLED元件阵列上以阵列图案提供干燥剂材料,以便不与OLED元件发出的光碰撞。 & lt; & lt; & lt; 2

