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H05B 33/22

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10-2004-0064625  
2004 07 19

(21) 10-2004-0001338  
(22) 2004 01 09

(30) 10/340,489 2003 01 10 (US)

(71) 343

(72) 14625 36

(74)

:

(54) O L E D

OLED , OLED , , OLED , OLED , OLED .

3

1 OLED ,  
2 OLED ,  
3 OLED .

12 : 14,16 :

20 : 22 :

36 : 50 :

(OLED) ,

(OLED) , OLED

가 OLED

16,000 가 , 6,000 가 , 75,000 가  
 0 1000 . (viewability) 1,000 가  
 (minimum display contrast ratio standard) 10

3

OLED (viewing conditions) ,  
 OLED . OLED ,  
 (display viewer) , OLED ,

OLED (quarter wave plate) (circular polarizer)  
 , 45 45 ,  
 (specularly) 60% 99.5%가 60% ,  
 OLED 99.5% 2002 2 7 Trapani 3M , OLED  
 가 , WO0210845 A2 ,  
 , OLED K 가 ,

OLED (destructive interference layer) 2 (destructive interference layer) 2002 6  
 25 Hofstra 6,411,019 ,  
 OLED 가 ,

OLED 3 . 2002 5 2 , Matthies  
 2002/0050958 A1 , 가

OLED 가 .

OLED , OLED OLED OLED

1 , (20) (22) (16) OLED (22)가

. OLED (12) (16) (22) (16) OLED (12) (22) (12) (

22)가 (36) (16) 14) 2 (14) OLED (12) (16) (12) .

(50) 99.5% 60%

5 100 (fill factor) 100% 가

(16)( , (12) ) ( , 50% ) ,

2 , (54) OLED

97% , OLED (54) (54)

100 97% 1.1 50%

가 , 5 가

0.5%(40%,40% 3% )가

ED 가 , 가 OL

0.5% 0.015%

100 9 50%

8 ,

3 , (optional) 1 (16), OLED (12) 2 (14)

(54) (50) ( ( ) 2 (14) (36) (20)

(50) , (50) (36)

(phthalocyanines)  
 (antireflection)  
 (desiccating properites) 가 ,

, OLED (12) (36) (50) 1 (36) (16) (50) (16 14)  
 (36) (50) (36) (54)

(54) (50) (54) (54) (54) (54)  
 (54) (54) (16) (54) (54) (54)  
 0% ), (54) 가 ) 100% ( 5

(top) (bottom) OLED (50)  
 (22) (20) (54)

2 (14) (optional transparent protection layer)(  
 ) JP 2001126864 SiOx  
 SiNx JP 11-162634 Teflon,

6,268,295 200 6 22 Graff 2001 7 31 Ohta  
 WO 00/36665 70%

가 (54) (radiation)

LED 가 (donor substrate) O  
 가 OLED  
 (54)

(54) OLED (36)  
 OLED (36) (36) OLED (light-ab  
 sorbing grid)가 가 OLED

(54) EL

가 (54)

OLED (12)  
 OLED OLED

(36)

(conformalble manner)

(54)

OLED

(57)

1.

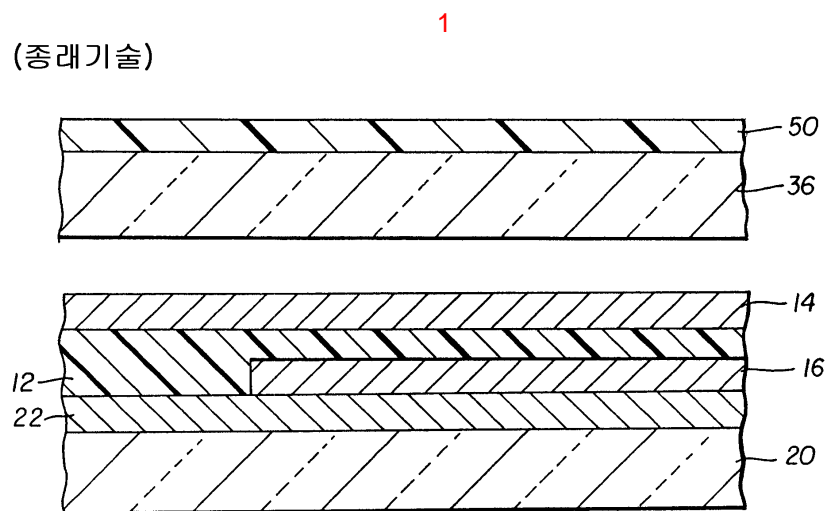
- a)
- b)
- c)
- d)
- e)

OLED

OLED

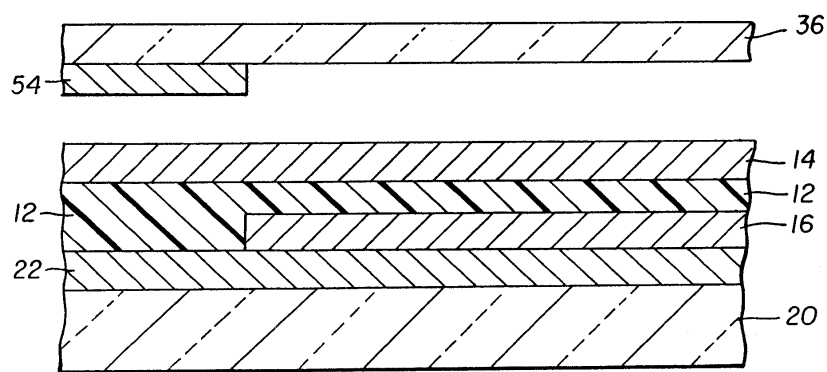
OLED

OLED

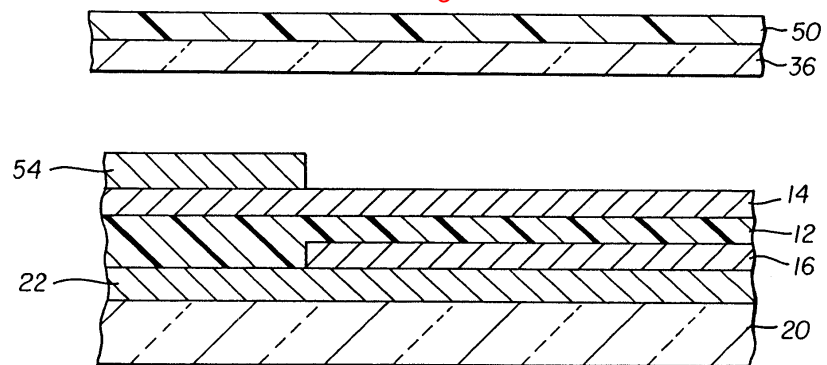


(종래기술)

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专利名称(译)	OLED显示器件		
公开(公告)号	<a href="#">KR1020040064625A</a>	公开(公告)日	2004-07-19
申请号	KR1020040001338	申请日	2004-01-09
[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 RONALDS		
发明人	COK, RONALDS.		
IPC分类号	H01L51/50 H05B33/22 H01L51/52 H01L27/32 H05B33/02		
CPC分类号	H01L27/322 H01L27/3244 H01L51/5284 H01L51/5281		
代理人(译)	KIM, CHANG SE KIM, WON JOON		
优先权	10/340489 2003-01-10 US		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

OLED显示装置包括基板，OLED元件阵列，其布置在基板的一侧，其向单向方向和电路辐射光，用于驱动位于OLED装置的阵列侧的OLED装置。基板和光吸收材料，位于电路和电路上的发光方向，OLED器件和位于光发射方向的光吸收材料上的圆偏振器。

