

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.⁷
C09K 11/07

(45)
(11)
(24)

2004 08 30
10-0446466
2004 08 20

(21) 10-2001-0053449
(22) 2001 08 31

(65) 10-2003-0018864
(43) 2003 03 06

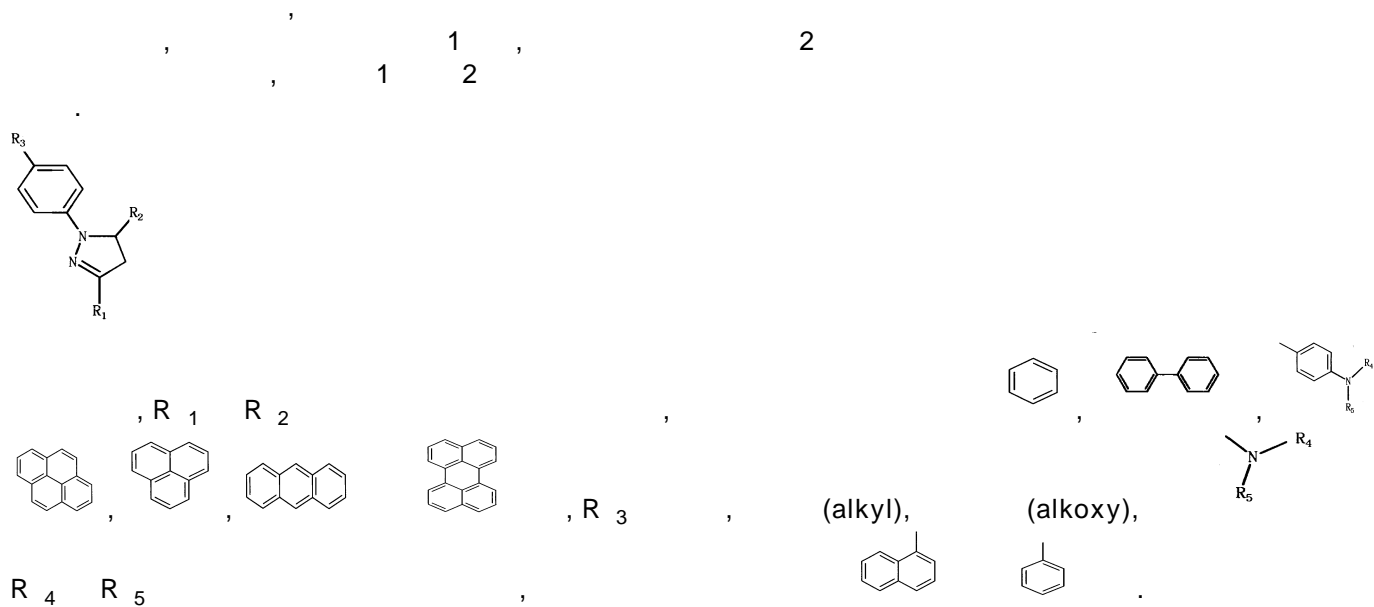
(73) 557-6

(72) 524-8 126 604

(74)

:

(54)

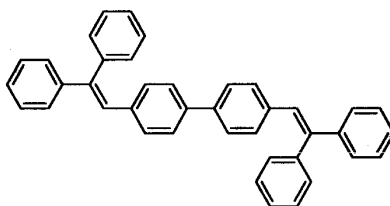


1
2

가 , (Orga
nic Electroluminescence device; OLED)
EL (Electroluminescence device)
; LCD), (Plasma Display Panel; PDP), (Liquid Crystal Display
ED), LCD 가 가 (Field Emission Display; F
가 가
가 ITO 가 Mg 가
가 가 가
가 가 가 (conjugated)
(host) 가 가 (anthracene), (phenanthrene), (pyrene), (benzopyrene), (c
ththalene), (picene), (carbazole), (fluorene), (biphenyl), (terphenyl), (qu
rterphenyl), (triphenylene oxide), (dihalobiphenyl), (transstilbe
ne), 1,4-(diphenyl butadiene) , 가 1μm ,
가 (550nm) (Alq3), BeBq2, Almq, (460nm)
ZnPBO, Balq (styrylarylene) DPVBi, (oxadi
azole) OXA-D BczVBi가 (590nm) 4-(
) -2- -6-(p-)-4H- (4-(dicyanomethylene) -2-methyl-6-(p-dimethyl aminostyr
yl)- 4H -pyran: DCM), 630nm DCM DCJTB .
, host) - (guest-
1 DPVBi (

5,503,910 5,536,949) .

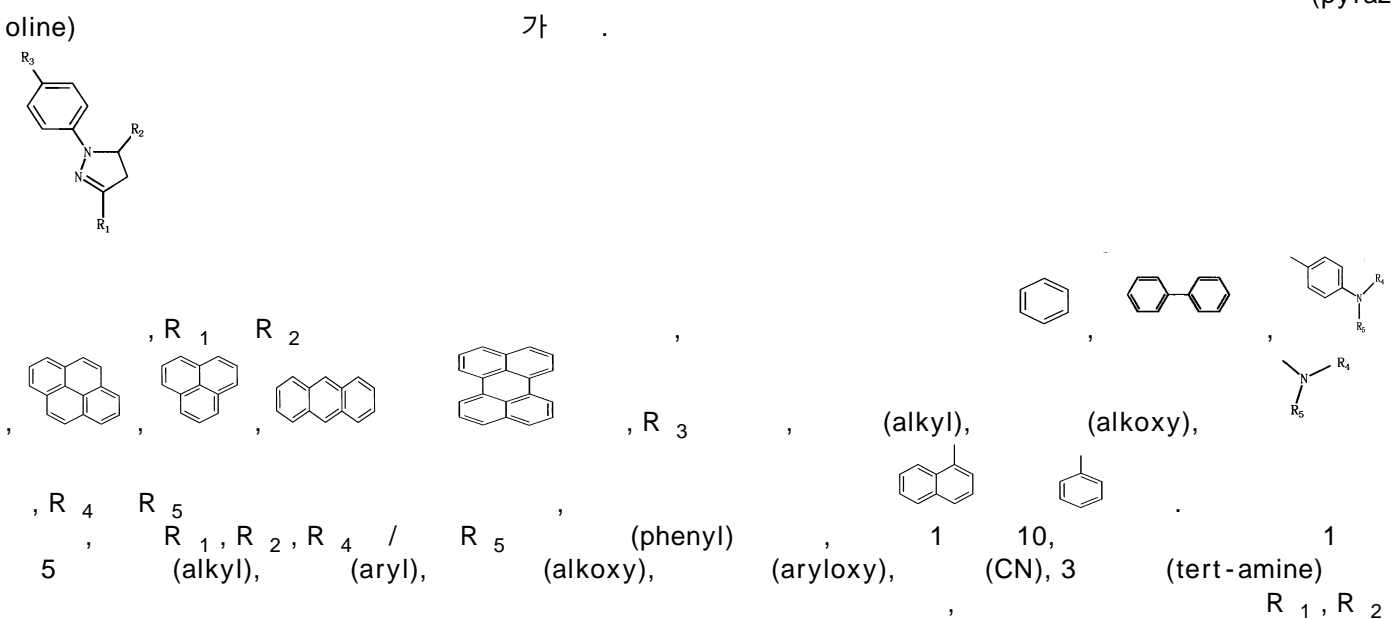
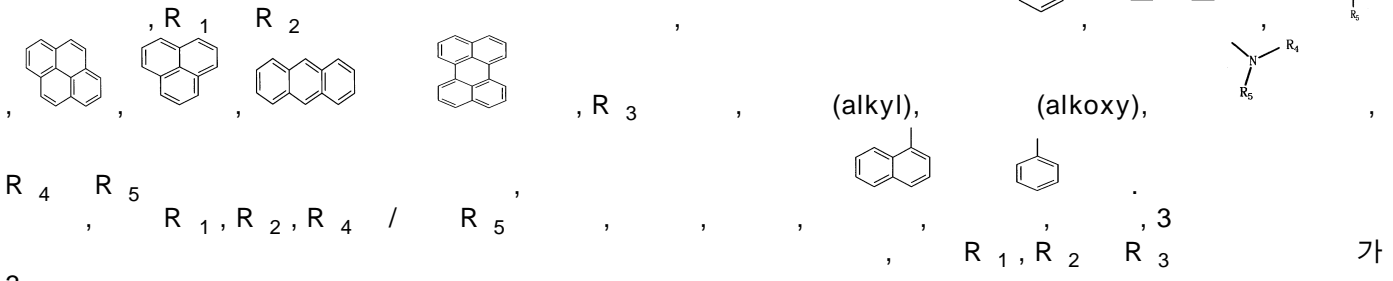
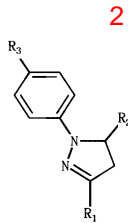
1



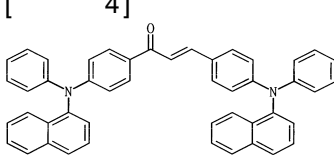
DPVBi

가

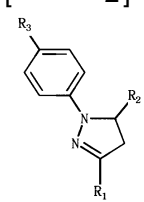
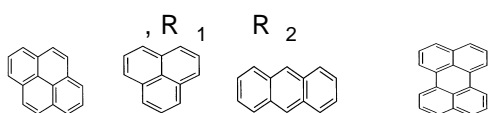
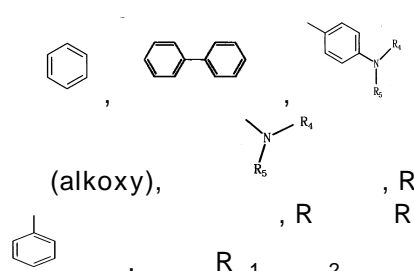
1 2 1 2 2 2

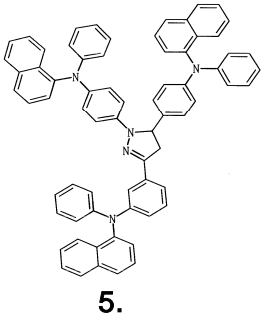


[]
 N-(4-)-N- -1- [N-(4-acetylphenyl)-N-phenyl -1-naphtylamine] 1 4-(N-
 -N-(1-)) ([4-(N- Phenyl-N-(1-naphtyl)- amino)benzaldehyde] 1 (ethan
 ol) 2 (KOH) 1.5 200ml 가
 24 4 560g

90%
 [4]

 mine 1 4 (unsaturated keton) 1 N-(4-hydrazinophenyl)-N-phenyl-1-naphtyla
 2 24 63%
 3 600g

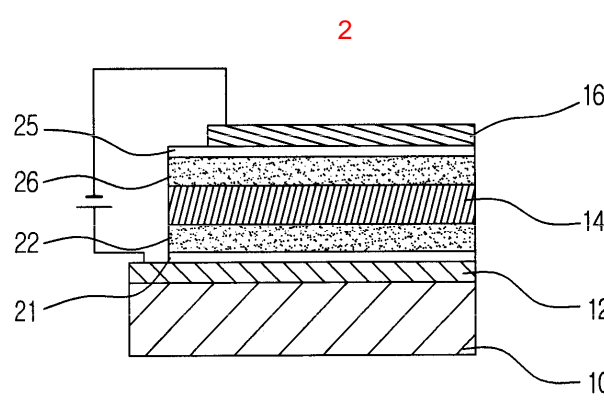
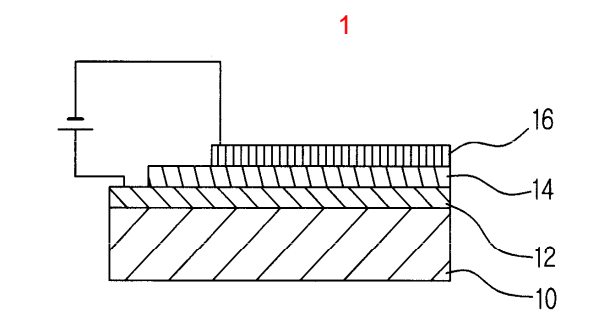
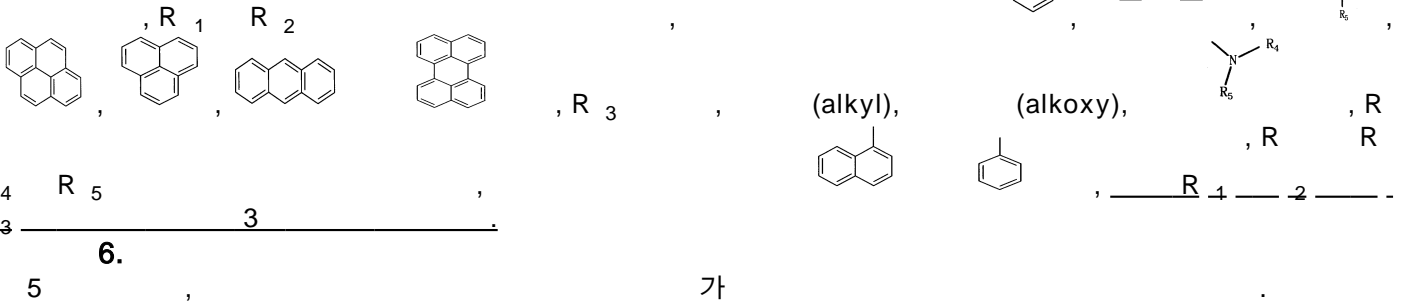
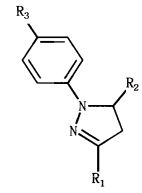
(57)

1.
 [2]


 R 1 R 2
 R 3 (alkyl), (alkoxy),

 R 4 R 5
 R 1 R 2
 4 R 5
 3 3
 2.
 3.
 1 R 1, R 2, R 4 / R 5, 3
 4.
 1 가



1 ;
2 ;
2 , 1 2

[2]



专利名称(译)	有机发光化合物和使用其的有机电致发光器件		
公开(公告)号	KR100446466B1	公开(公告)日	2004-08-30
申请号	KR1020010053449	申请日	2001-08-31
[标]申请(专利权)人(译)	娜我比可隆株式会社		
申请(专利权)人(译)	Neoview的隆有限公司		
当前申请(专利权)人(译)	Neoview的隆有限公司		
[标]发明人	KIM JEONG SOO		
发明人	KIM,JEONG SOO		
IPC分类号	C09K11/07		
CPC分类号	C09K11/06 C09K2211/1007 C09K2211/1011 C09K2211/1014 C09K2211/1044 H01L51/0059 H01L51/0067 H01L51/5012 H05B33/14 Y10S428/917		
代理人(译)	KIM , YOUNG DONG 李相HUN		
其他公开文献	KR1020030018864A		
外部链接	Espacenet		

摘要(译)

用途：提供有机发光化合物和使用该装置的有机电致发光器件，该化合物的耐热性得到改善，可用作有机电致发光器件的发光层和/或空穴载流子层。组成：有机发光化合物由式2表示。优选地，有机发光化合物由式3表示。有机电致发光器件包括具有高功函数的主电极，具有低功函数的次级电极和有机发光。复合；并且在初级和次级电极之间包含至少一个有机发光层。

