

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. ⁷
C09K 11/06

(11)
(43)

2002 - 0076929
2002 10 11

(21) 10 - 2001 - 0017164
(22) 2001 03 31

(71) 167 - 1

(72) 9 - 12 1 122 - 1008
6 1 121 - 305
101 - 702
248 6 - 512(40/3)
441 - 1 110 - 1301
13 650 - 42

(74)
:

(54)

가 가

1

2

3a 3b

4 3 - 4 - 가

5 6

7

< >

400; 402;

404; 406;

(dendritic para - phenylenevinylene)
가

가 , 가

(cathode)

(exiton)

(anode)

가 ,

1

, 1 , (100), (112) (108)

, (112) , (; 102a) (
; 102b) (106a) (106b) , (104)

(102b) (112) (108) (106a) (100) (106b) (102a) (110)
가 가 가

(para phenylenevinylene) 2 (greenish yellow) (precursor polymer)
(conjugated structure)

(solvent)

가

ITO

30

2

230

3

가

3a

3b

3a

(kink)

3b

3a

가

4

3-

4-

가

5

6

7

가 (solvent)
(interaction)
(side chain)

(solution)
가

(chain)

(solvent)가

(solubility)
ood solvent)"

(parameter)
가

가

" (g
(kink)

(good solven

t) (kink) 가 (dendrimer) , (benzyl ether) . 4 , 4 (dendrimer)가 (kink) , 가 가 -CH₃ , -CCl₃가 Cl 가 H 가 -CH₃가 , 4 , 3- 4- 5 가 가 6 -OCH₃ , 6 -CH₃ 가 가 2 -OCH₃ (meta) ortho - , meta - , para - ortho - , para - , 5 6 가 . 5 6 가 300 450 nm 가 , 220 300 nm 454nm 가 가 . THF , 7 (402), (400) , (404) (40) 6) (400) (404) 1,000

(404)
ITO(Indium Tin Oxide)
가

가

(400)

,
7
(406)
(400)
(404)

가 , 7

가

가

가

,
ton energy)

220

300nm

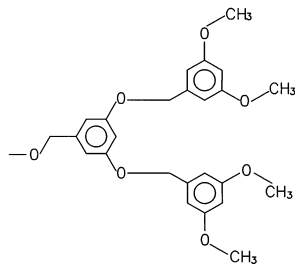
(transfer)

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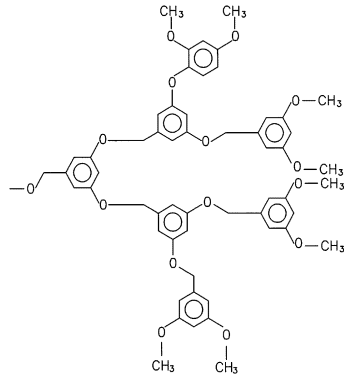
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1.

[]



[]



2.

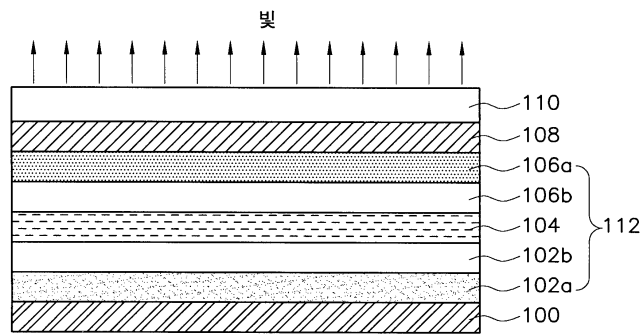
1 ,

(para)

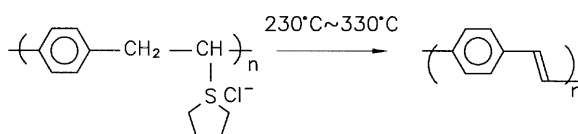
- CH₃

(ortho)

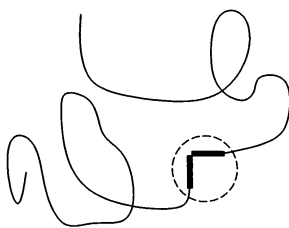
1



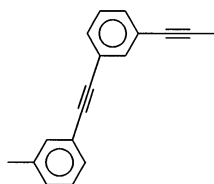
2



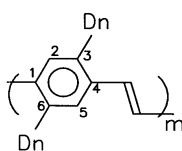
3a



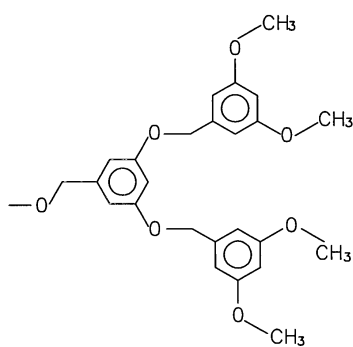
3b



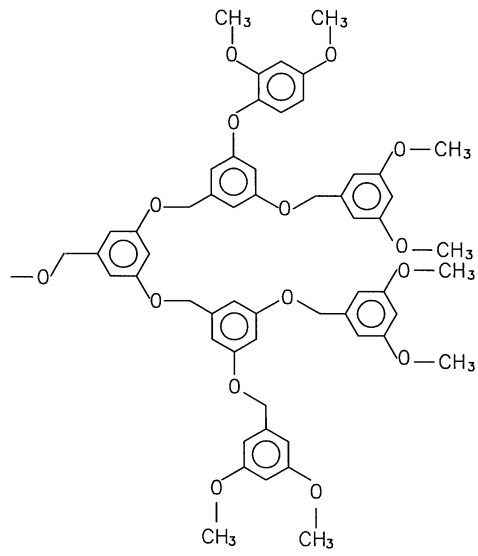
4



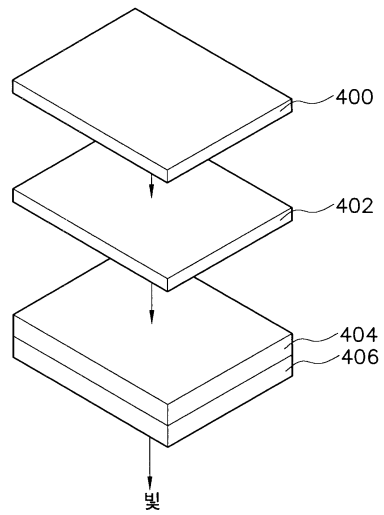
5



6



7



专利名称(译)	有机电致发光器件		
公开(公告)号	KR1020020076929A	公开(公告)日	2002-10-11
申请号	KR1020010017164	申请日	2001-03-31
申请(专利权)人(译)	现代电梯有限公司.		
当前申请(专利权)人(译)	现代电梯有限公司.		
[标]发明人	KANG JAEIK 강재익 KIM WOORYOUNG 김우영 JU SUNGHOO 주성후 KIM SUNWOONG 김선웅 LEE JOOHYEON 이주현 MIN KYOUNGWOOK 민경욱		
发明人	강재익 김우영 주성후 김선웅 이주현 민경욱		
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其他公开文献	KR100687317B1		
外部链接	Espacenet		

摘要(译)

有机电致发光器件包括阴极，阴极和具有层压结构的有机电致发光介质，其中有机电致发光介质包括选自对亚苯基组成的组中的至少一种。并且，由亚乙烯基衍生物和作为不溶性聚合物的对亚苯基亚乙烯基组成的有机发光层可以制成可溶的，以改善可加工性，从而通过使用对亚苯基亚乙烯基衍生物可以改善用作发光层的材料的选择范围。并且可以改善发光效率。 7 - 1 -

