

(19) (KR)
(12) (A)

(51) 。 Int. Cl. ⁷ (11) 2003 - 0016043
H05B 33/04 (43) 2003 02 26

(21) 10 - 2001 - 0049952
(22) 2001 08 20

(71) 23 202

$$(72) \quad 3 \quad 302 - 11 \quad 19/2$$

(74)

(54)

(encapsulation) (anode)

4

(OELD), (FPD), (encapsulation), (Diffusion)

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10, 20A, 20B, 20C :

101, 201 : (Glass Substrate)

102, 202 : (Anode)

103, 203 : (Hole Injection Layer;HIL)

104, 204 : (Emission Layer;EML)

105, 205 : (Electron Injection Layer;EIL)

106, 206 : (Cathode)

107, 207 : (Passivation Layer)

210 : (Diffusion Barrier)

220 :

(OELD:Organic Electro Luminescence Display)

, (encapsulation)
tion) (anode), ,

(H₂O) 가 (encapsulation) 가 (sealant) 가 , 가 , (O₂) 가

ITO (102, anode) (104)

(106) (102) (104) (104) (Luminescen
t Quenching Site) (Packaging) (encapsulation) (Aldehyde) (anode) (encapsulation)

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(202, Anode) (20A) (201) ITO
rier, 210 (203, HIL), (204, EML), (diffusion ba
EIL), (206, Cathode) , (205, (2
07)

ITO(Indium Thin Oxide) (202)
(202) (210, Diffusion Barrier)

(202, Anode), (203, HIL)	(201), ITO(Indium Thin Oxide) (204, EML), (205, EIL) (203, HIL)	(206, Cathode) (205, EIL)
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(210) ITO (202) , (204)
(204) ITO (202) (201)

(210) (Ti) (Ta), (device).

(Ru), (Ce), (Zr), (Y), (Th) (Hf)

MO_{2-x} (M : Ru, Ce, Zr, Y, Th Hf, O x 1)

ITO (201)
(210), 가

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, (20B) (Passivation L)
ayer) (20B) (220),

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2 (210) 3 (220)
· (20C) 2 3
가 .

(204)

가

, (Ti) (Ta) MO₂₋
x 가 , 가

가

(57)

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ITO(Indium Thin Oxide)

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5.

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(Ti) [Ti - ()]

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6.

5 , (Ti)

MO_{2-x} , (Ce),
 (Zr), (Y), (Th) (Ti), (Hf), , , .

, 0 x 1 .

7.

1 3 , , .

(Ta) [Ta - ()] , .

8.

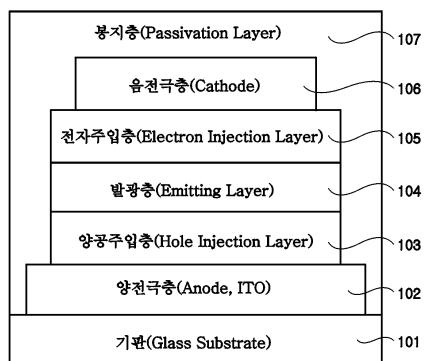
7 , (Ta)

MO_{2-x} , (Ce),
 (Zr), (Y), (Th) (Ti), (Hf), , , .

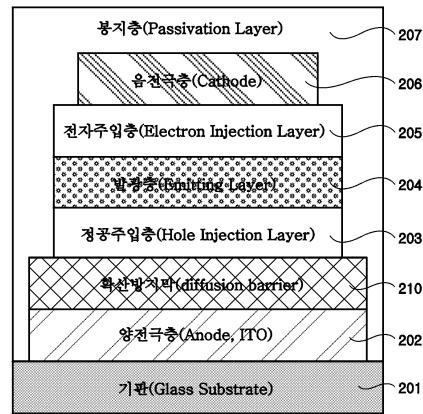
, 0 x 1 .

1

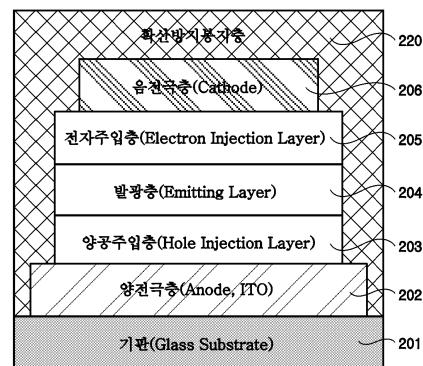
10

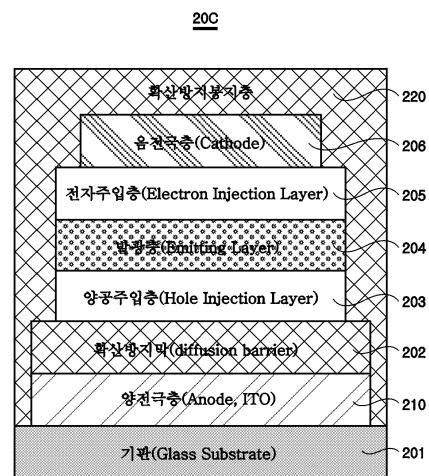


2

20A

3

20B



专利名称(译)	一种具有抗氧化结构的有机电致发光器件		
公开(公告)号	KR1020030016043A	公开(公告)日	2003-02-26
申请号	KR1020010049952	申请日	2001-08-20
[标]申请(专利权)人(译)	延世大学校产学协力团		
申请(专利权)人(译)	产学合作基金会，延世大学		
当前申请(专利权)人(译)	产学合作基金会，延世大学		
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发明人	정순문		
IPC分类号	H05B33/04		
CPC分类号	H01L51/5253		
代理人(译)	LEE JIN SEI		
其他公开文献	KR100710473B1		
外部链接	Espacenet		

摘要(译)

目的：提供有机电致发光显示器，以通过防止氧气或水的进入和扩散来实现有机电致发光显示器的改善的操作效率。

