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(24) 2010 04 12

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(21) 10-2008-0066079
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2008 07 08
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KR1020050002606 A
KR1020070083352 A
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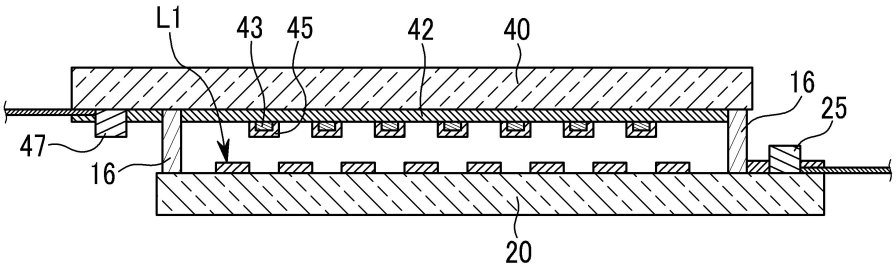

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MIHL(Metal Insulator Hybrid Layer), (black polymer), (carborn black)

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ITO(Induim Tin Oxide), IZO(Induim Zinc Oxide), AZO(Aluminum-doped Zinc Oxide), GZO(Gallium-doped Zinc Oxide), FTO(Fluorine Tin Oxide), ATO(Antimony doped Tin Oxide)

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[0001] ,

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[0002] ,

(exciton)

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[0003] ,

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[0004] ,

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[0005] (touch screen) , . , , GUI(Graphical User Interface) , , PDA, , , .

[0006] , , , ( ) , .

[0007] , , , . . . , . .

[0008] , . , .

[0009] .

[0010] , 1 , 1 2 , 2 , .

[0011] , . , MIHL(Metal Insulator Hybrid Layer), (black polymer), (carbon black) .

[0012] . , , . , .

[0013] 2 , . , ITO(Induim Tin Oxide), IZO(Induim Zinc Oxide), AZO(Aluminum-doped Zinc Oxide), GZO(Gallium-doped Zinc Oxide), FTO(Fluorine Tin Oxide), ATO(Antimony-doped Tin Oxide) .

[0014] 1 , 1 2 , 2 , , 2 .

[0015] , . , .

[0016] ,
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[0017] , .

[0018] ,
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[0019] 1 .

[0020] 1 , 1 (20) , 1 (20)
(L1) , (16) 1 (20) 2 (40) , 2 (40)
(43) .

[0021] 1 (20) (L1) , (L1)
(chip on glass; COG) (25) .

[0022] 2 (40) (42) (42) (43), (43)
(45) . (42) (43) (45) 2 (40) , 1
(20) 2 (40) .

[0023] 2 (40) (45) (43) ,
, (45) (43) 1 (20) .

[0024] 1 (20) 2 (40) ,
, 1 (20) 2 (40) ( ) .

[0025] (42) ITO(Induim Tin Oxide), IZO(Induim Zinc Oxide), AZO(Aluminum-doped Zinc Oxide), GZO(Gallium-doped Zinc Oxide), FTO(Fluorine Tin Oxide), ATO(Antimony doped Tin Oxide) . (43)
, (L1) (L1)
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[0026] 2 (45) (43) , (L1)
(43) (43) 1 (20)
. (43) 2 (40) (45) 2
(40) .

[0027] (45) .
, MIHL(Metal Insulator Hybrid Layer), (black polymer), (carbon black) . MIHL SiO_2, SiN_X
, Cr, Al, Mo, W, Ti, Ag, Cu .

[0028] (45) ,
, .

[0029] 2 (40) (43) (43)
(47) .

[0030] 3 1 , 4 1
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[0031] 3 4 , (L1) .
(L1) (26) (28) (30) , 2

(T1, T2) (C1) .
(T1) (T2) .

[0032] (T1) (SL1) (DL1) , (SL1) (DL1) (T2) . (C1) (T1) (VDD) , (T1) (VDD) .

[0033] (T2) (VDD) (C1) (C1) (I_{OLED}) (L1) , (L1) (I_{OLED}) . (T2) (32) (34) (36) , (L1) (26) (T2) (34) . .

[0034] 2 (40) (43) . 2 (40) (43) , (43) (45) . (45) .

[0035] (45) , (43) . , (43) , .

[0036] 5 2 . 5 , (45) (48) . (48) (R), (G), (B) . , (45) (48) , .

[0037] , .

[0038] 1 1 .

[0039] 2 1 1 .

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[0041] 4 1 .

[0042] 5 2 .

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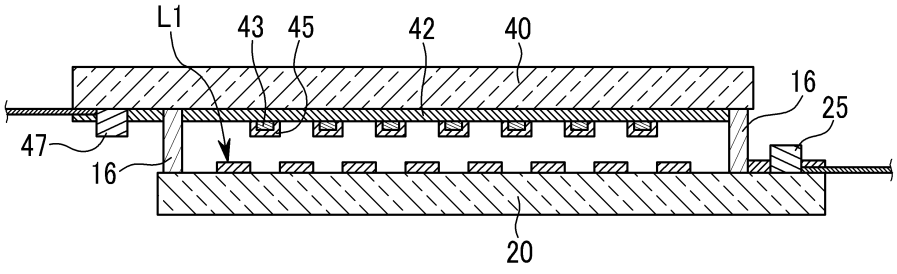

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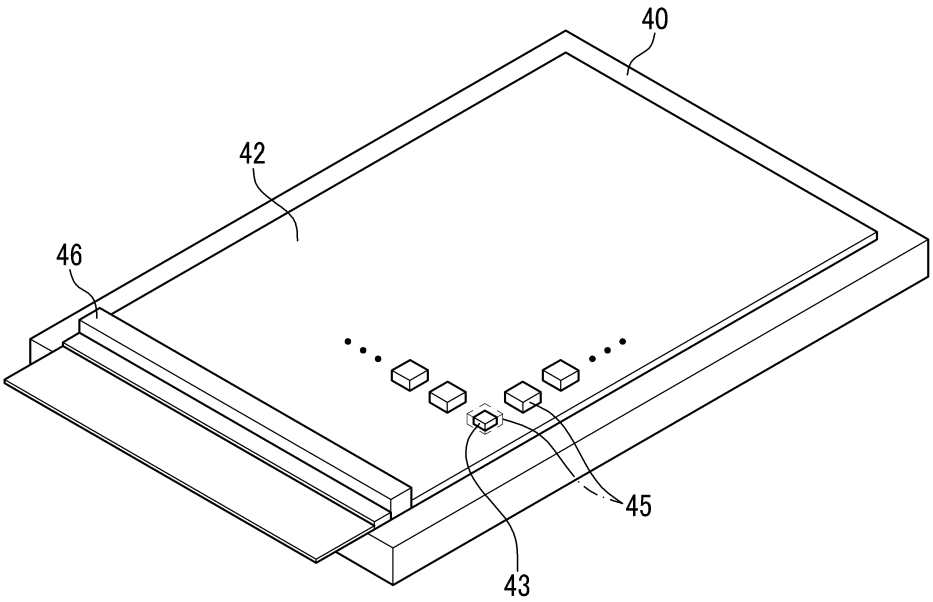

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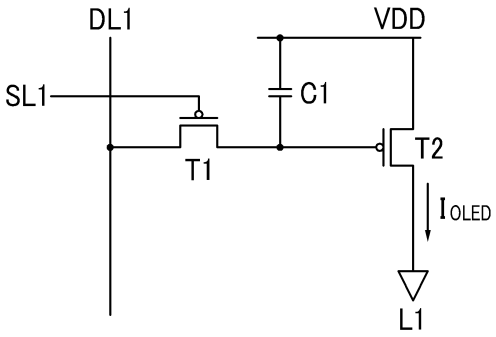

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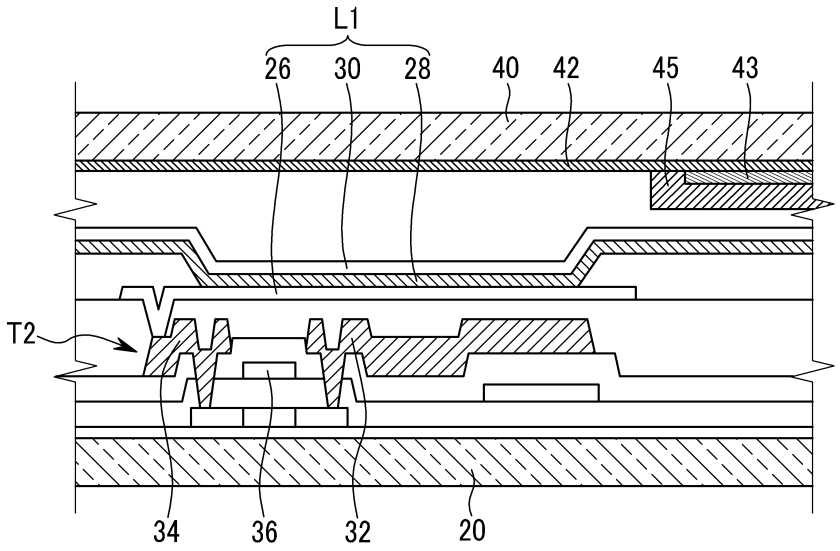

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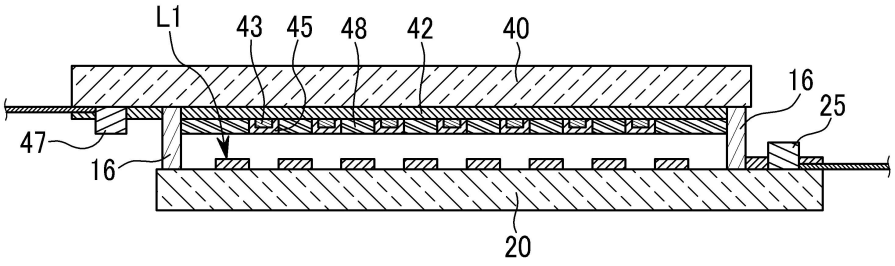

专利名称(译)	有机发光显示器		
公开(公告)号	KR1020100005952A	公开(公告)日	2010-01-18
申请号	KR1020080066079	申请日	2008-07-08
[标]申请(专利权)人(译)	三星显示有限公司		
申请(专利权)人(译)	三圣母工作显示有限公司		
当前申请(专利权)人(译)	三圣母工作显示有限公司		
[标]发明人	KIM EUN AH		
发明人	KIM, EUN AH		
IPC分类号	H01L51/50 H05B33/02 H05B33/22		
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其他公开文献	KR100953655B1		
外部链接	Espacenet		

摘要(译)

根据本发明的有机发光显示装置包括光电传感器，其捕获结合到第一基板的第二基板的变化，其中形成有机发光装置和第一基板，以及由外部源产生的入射光它形成在第二基板和它阻挡的阻挡层中，使得光电传感器能够在覆盖光电传感器的同时不能感测从有机发光装置发光的光。有机电致发光，触摸屏，薄膜晶体管，光电传感器，阻挡层，黑色矩阵。