

(72)

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[0002]	(organic light emitting display) (Organic Light Emitting Diode) (exciton)	.
[0003]	,	.
[0004]	,	.
[0005]	,	.
[0006]	,	.
[0007]	,	.
[0008]	,	.
[0009]	,	.
[0010]	,	.
[0011]	,	.
[0012]	2, 1, 1; 2, 2, 1 (cover window);	1, 1
[0013]	,	.
[0014]	.	.
[0015]	,	.
[0016]	1, 1, 2	.

[0017] 1 2 ,
1 2 .

[0018] 200 .

[0019] , 1 , 1
2 , 1
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1 2
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1 ;
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[0020] ,

[0021] ,

[0022] 1
1 2
1 2
1 2
.

[0023] 1 2

[0024] 200 .

[0025] ,

[0026] ,

[0027] ,

[0028] ,

[0029] ,

[0030] ,

[0031] ,

[0032] ,

[0033] ,
" " , " " ' / / / " "
" " " "

- [0034] 1 (100) . , 2 1
2 - . , 3 2 - , 4
- [0035] 1 2 , (100) (50) (cover
window)(10), (20) , (100) (70),
(30), (35) .
- [0036] (50) 1 (51), 2 (52), (40) . 1 (51)
(DA) (NA) . 2 (52) 1 (51) 1 (51)
(DA) . 1 (51) 2 (52) 2 (52) (
) . (40) 1 (51) (NA) (mount) . ,
(40) 1 (51) 2 (52) . , 2
(52) (40) .
- [0037] 1 (51) (DA) (matrix) (5 6) .
, 1 (51) (DA) (NA)
() () . , 1 (51) (NA)
() . (40) 1 (51) (NA) ()
, 1 (51) (40) () (
) () .
- [0038] 2 (52) 1 (51) 1 (51) ,
. , (50) 2 (52)
(58)(3) . , (58) ,
.
- [0039] (40) (chip on glass; COG) 1 (51) (NA) .
- [0040] (70) (50) . (70) (71) (72)
(71) (50) 1 (51) . ,
(50) 1 (51) (71) (70) . (72) (71)
1 (51) 2 (52) . , (72) 1 (51) 2
(52) (GB) . , (GB) 200
 , .
- [0041] , (70) (35) 1 (51) (NA) 1 (51)
(NA) (72) (725) .
- [0042] (70) . , (70)
, , , , , , ,
 . (deep drawing)
(71) (72) (70) .
(72) .
- [0043] (30) () ,
(36) . (flexible printed circuit board)(35) 1 (51)
(NA) (30) . , (35) (30)
(50) . (30)
(35) (40) 1 (51) () .
- [0044] 3 , (35) (30) (70)
.
- [0045] (10) 2 (52) (40) , (50)
 . , (10) (50)
 . (10) .

- [0046] , 3 , (10) 1 (51) (NA)
 (50) (BA) , (50) (TA)
 . , (BA) (DA) (NA) , (TA) (D)
 A) . (BA) , (50)
- [0047] , . (10) (BA) ,
 . (100)
- [0048] (20)
 (20) (10) (70) . ,
- [0049] 3 4 , (20) 2 (52) (10) 1 (51)
 (NA) (10) . , (20) (70) (71) 1
 (51) 2 (52) .
- [0050] , (20) (50) (10) (10)
 (50) , (50) (70) (72)
 (70) (50) (70) (10)
- [0051] , (20) (40) 1 (51) (NA) . ,
 (40) (NA) . ,
 (50) 1 (51) (NA) , ,
- [0052] , (20) (50) (70) (10)
 , (50)
 (100) . , (5)
 0) . , (100) (50)
- [0053] , (50)
 .
- [0054] , (20) , , ,
 (50) . (20)
 , (20) (70) (72)
 (50) (GB) 200 .
- [0055] , (20) (10) . , (20) 2 (52)
 (10) , (20) (10)
 . (20)
 (10) , (10) 2 (52)
 (10) .
- [0056] , , (100) , (40)
 (50)
- [0057] , (100) (50)
- [0058] , (50) , (10) (70) (20)
 , (40) 1 (51) (NA) (20) .
 , (50) (20) .
- [0059] , (10) (20) , (100)

- [0060] , 5 6 , (50) .
- [0061] (50) . 5 6 ,
 (L1) (T1, T2, C1) 1 (51)
 . , 1 (51) (511) , (511) (T1, T2, C1)
 (L1) .
- [0062] (L1) (544) (545) (546) .
 2 (T1, T2) (C1) .
 (T1) (T2) .
- [0063] (T1) (SL1) (DL1) , (SL1)
 (DL1) (T2) .
 (C1) (T1) (VDD) , (T1)
 (VDD) .
- [0064] (T2) (VDD) (C1) (C1)
 (I_{OLED}) (L1) , (L1)
 (I_{OLED}) . (T2) (533) (532)
 (531) , (L1) (544) (T2) (532)
 .
- [0065] 2 (52) (L1) (T1, T2, C1) 1 (51) .
- [0066] , 7 9 1 (100) .
- [0067] , (50) , (50) (70) .
 (50) (70) .
- [0068] , 7 , (10) , (25) ,
 (25) (10) . 7 , (10) (BA) TA
 , . , (10)
- [0069] , 8 , (25) 2 (52) (40)
 (10) (10) (50) , (10) (BA) 1
 (10) (NA)(1) 2 (52) .
- [0070] , 8 , (10) (50) ,
 (10) (25) (50) , (1
 0) (50) .
- [0071] , (10) (50) (25)
 (50) .
- [0072] , (10) (25) 2 (52) (10) , 1 (51)
 (NA) (10) , (70) (72) (50)
 (25) .
- [0073] , 9 , (25) (20) , (25)
 .
 (UV) , (UV)
- [0074] , 9 (UV) (10) (25) ,
 . , (UV) (70) (10)
 . (UV) (optic fiber)

[0075] , (100) .

[0076] , (50), (10) (70) (20) .
 , (40) 1 (51) (NA) (20) .
 , (50) (20) .

[0077] , (10) (20) , (100) .

[0078] , .

[0079] , (DA) .
 (10) (50) , .

1

[0080]			
	(luminance) [cd/m ²]	180	206
	@ 10,000 lux	1.74	2.45
	@ 10,000	5.3%	14.5%
	[%]	91.8%	91.8%
	[%]	7.44%	4.35%

[0081] 1 , .

[0082] , , , .

[0083] 1 .

[0084] 2 1 .

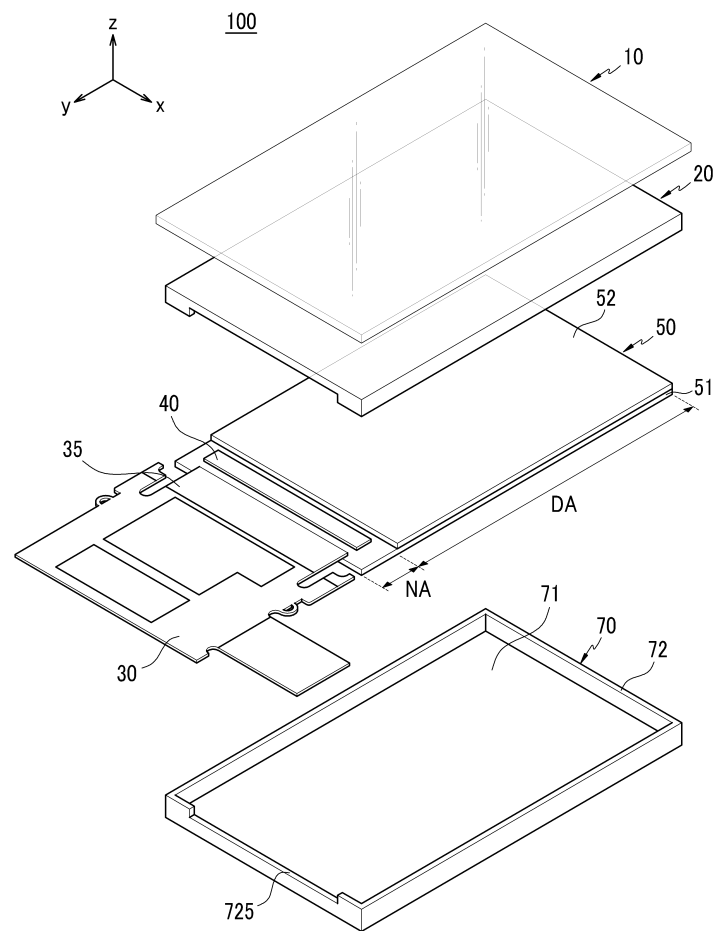
[0085] 3 2 - .

[0086] 4 2 - .

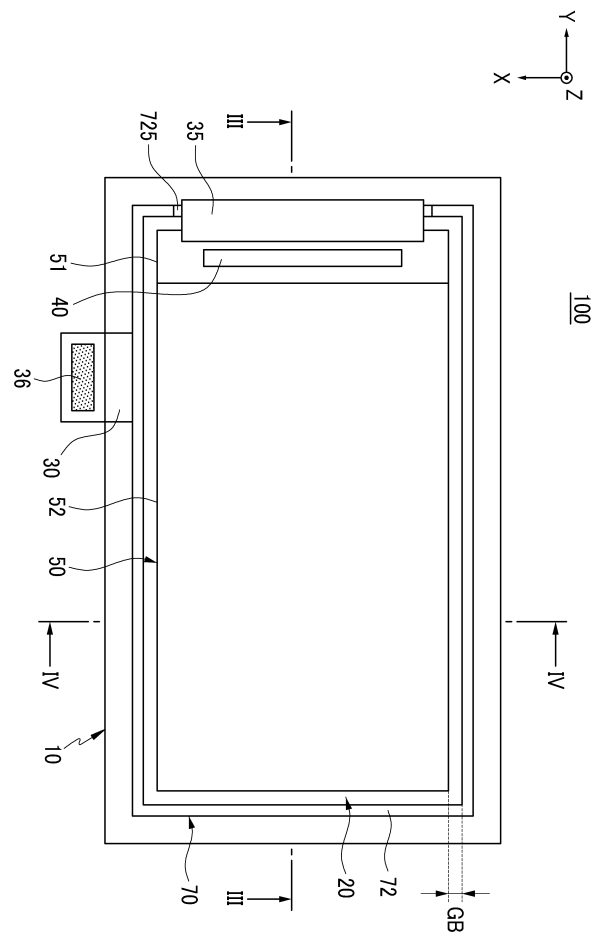
[0087] 5 1 .

[0088] 6 1 .

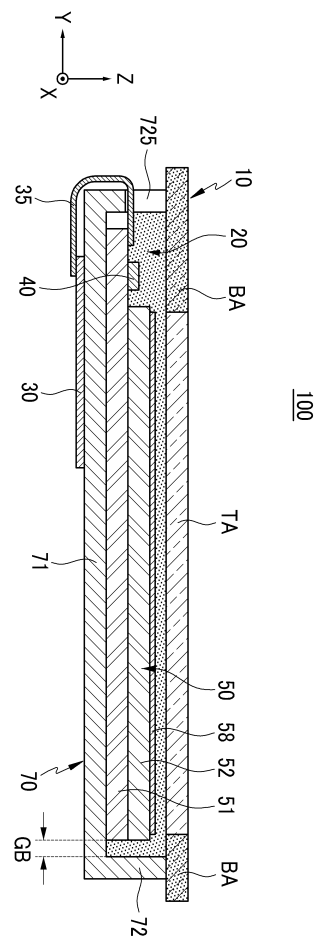
[0089] 7 9 1 .

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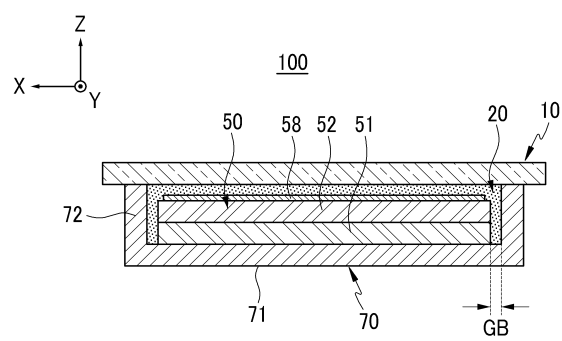
2



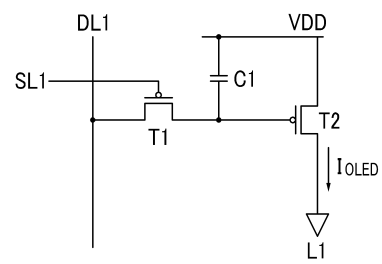
3



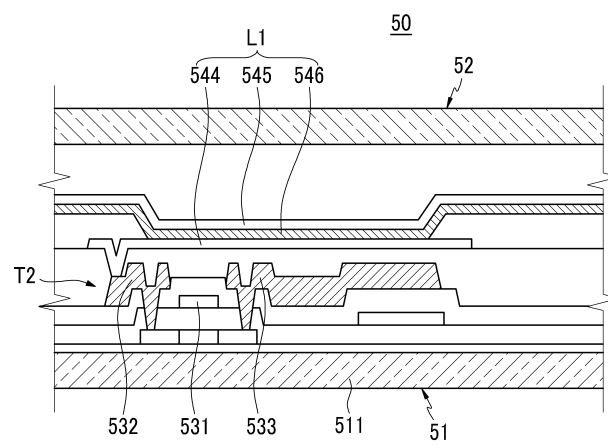
4



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