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(12) (B1)

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(24) 2010 04 15

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(73)

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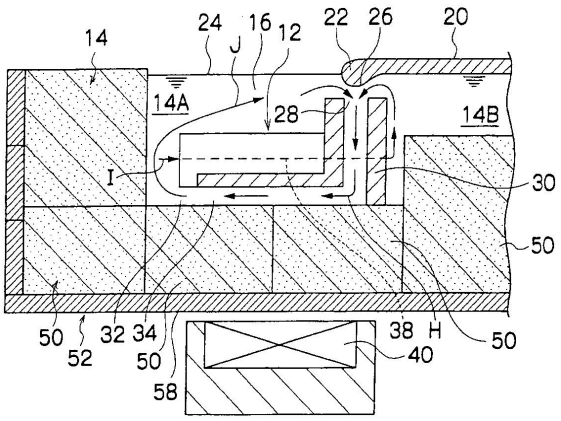
1 12 1

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(54)

(57)

, , . , , , , . , . - 2



1

, , , , (area) , , .

2

1 , , .

3

, , , , , .

4

3 , , W( ) , τ( ) , W≤2τ , .

5

, , , , , , .

6

5 , , W( ) , τ( ) , W≤2τ , .

7

1 6 .

[0001] , .

[0002] , , , (6 7) , , .

[0003] , FPD (Flat Panel Display) , 0.1 1.1 , , .

[0004] 1 , , , , . , . , .

[0005] 1 : 10-236832

[0006] _____

[0007] _____

[0008] , 1 , , (,) , , (,) .

[0009] , , . , , , , . , , , .

[0010] , . , , 232 . , .

[0011] , , , . , , , , , .

[0012] , , , .

[0013] _____

[0014] 1 , , , , , , (area) ,

.

[0015] 1 , , , , . , , . , , .

[0016] 2 , 1 , .

[0017] , , , . , , . , .

[0018] 3 , , , , , , , .

[0019] 3 , , , , , . , , . , , . , , , . .

[0020] , , , , , , . , , .

[0021] 4 , 3 , , , W( ) , τ( ) , W≤2τ , . , , ( ) ((56), : , :).

[0022] (W) (kW) , .

[0023] , 4 , W( ) , τ( ) , W≤2τ , , . , , , , W≥80 .

[0024] 5 , , , , , , , .

.

[0025] 5 , , , , .

[0026] 6 , 5 , , , W( ) , τ( ) W≤2τ , . , .

[0027] 7 , , .

[0028] _____

[0029] , , , , .

[0050] _____

[0051] , .

[0052] 1 , (10) . FPD , , 0.1 1.1 , , . (10) , (12) , (10) , FPD , .

[0053] (10) (12) , (14) , (14) ( )(16) , (14) (18) (20) (22, 22) . , (20) , (16) (1 X) , (22, 22) (24) (26)(2) , (20) . , (26) (22) (20) , , , , .

[0054] , . (16) (20) , ( ) 800 1300 .

[0055] 2 , 1 F-F , 3 1 G-G . , (12) L , (28) (30) , (32) (34)(2) , (30) (36) (38)(3) .

[0056] , (14) (12) (34) (40) , (40) (34) (16) , (16) (12) (30) (34) H .

[0057] , (24) , (14) (16) , (20) (22) , , (22) (16) . , (24) (26) (20) (22) . , (20)

(22) (26) , (20) ,
, (0.1 1.1)
.

[0058] (12) , (16) , ,
, , ( ), .
(40) , (12) , (12)
, , , .

[0059] (40) , (16) .
(40) , 1 , 3 ,
, . (40) ,
(12) (14) (50, 50…) (50, 50…)
(52) , (12) (34) (16)
( ) . , (30) (34)
(16) , (40) , H (20) (22)
(14) (15) . (52) .

[0060] (12) , (30) (34) , (38) .
(38) , (30) (36) (20)
(22) (14B) , (14A) (14B) ,
(38) (36) . , 2, 3 (34)
(32) , (14) (15) (16) ,
I (38) , (36) (14B) .
, (16) J (14A) , (30)
(28) .

[0061] , (38) , 1 (20)
. (38) , (30) (28)
, , (26)
, (14A) (14B) (30)
(28) ,
. , 0.3 1m .

[0062] (16) , (10) , ,
(10) , .

[0063] (12) , (12) (34) (32)
(14A) (16) (16) , (28)
, (38) (36) (14B) , (28) .
, 4 (14A) (28) (16) (q1)
, (14B) (28) (16) (q2) ,
(20) (q1, q2) , (24)
(26) (12) (20)
, (22) (26) .
, FPD , .

[0064] , (20) ,
(38) 1 ,
, .

[0065] (52) , (40) (16) ,
(40) ,
. , (52) , (54, 54…)(6)
.

[0066] , (52) , (54, 54…) , . (52) , (52) , (40) , (52) . , (50, 50…) , (52) . , , (52) , . , , (52) , (52) .

[0067] , (52) (40) , 5, 6 ( )(56) (58, 58…) . , 7 , (100) , , 6 (52) . , (50) , (52) . , , , (16) . , (54) , (40) (58) .

[0068] 7 (100) , , (102) , (52)(5, 6) , (40) , (16) . , (40) , , .

[0069] , (58) 5 , W( ) , (40) τ( ) , $W \leq 2\tau$. , (58) , 5 (40) .

[0070] (58) (W) , (40) (58) (kW) . , (W) (kW) , (W) (52) . , (58) , $W \geq 80$.

[0071] 8 , (W)/ (τ) , , 1 .

[0072] 8 $W/\tau \leq 2$, 70% . $W/\tau \leq 1$, $W/\tau \leq 0.5$, $W/\tau \leq 0.3$. , (52) , W 80 150 , 90 110 . W=100 , τ=348 , 6% , W=100 , τ=261 , 10% . , (52) . (58) 3 10 .

[0073] , (10) , (52) (54) , (52) (58, 58…) , (58) , , .

[0074] , , (40) (16) (24) (26) , (26) (20) (22, 22) (10) , . , , ,

. , FPD , ,
(26) (22, 22) (10)
.

[0075] , , , .

[0076] , 2005 11 25 2005-340131 , ,
, .

[0030] 1 .

[0031] 2 1 F-F .

[0032] 3 1 G-G .

[0033] 4 2, 3 .

[0034] 5 .

[0035] 6 5 6-6 .

[0036] 7 .

[0037] 8 W/ τ .

[0038] _____

[0039] 10 … 12 … ,

[0040] 14 … 16 …

[0041] 18 … 20 …

[0042] 22 … 24 …

[0043] 26 … 28 …

[0044] 30 … 32 …

[0045] 34 … 36 …

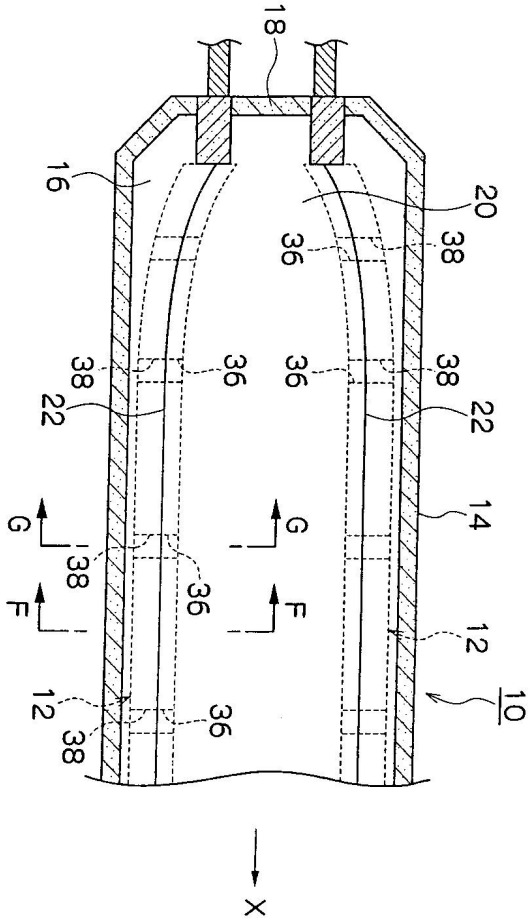
[0046] 38 … 40 …

[0047] 50 … 52 …

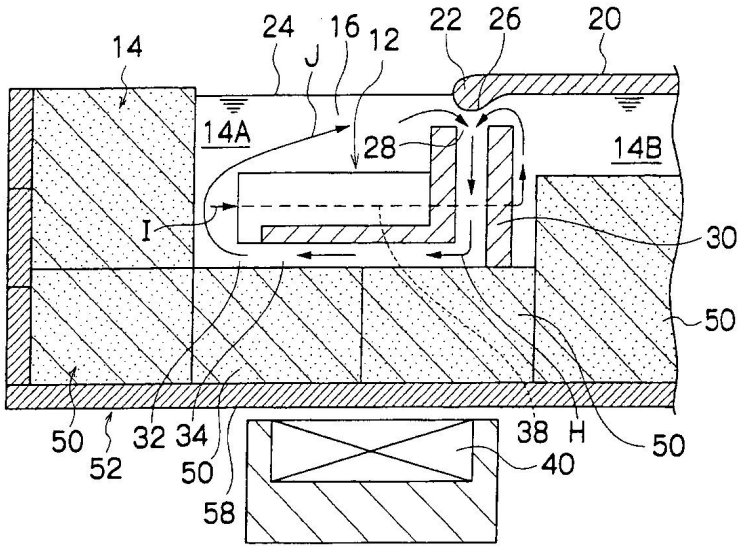
[0048] 54 … 56 …

[0049] 58 …

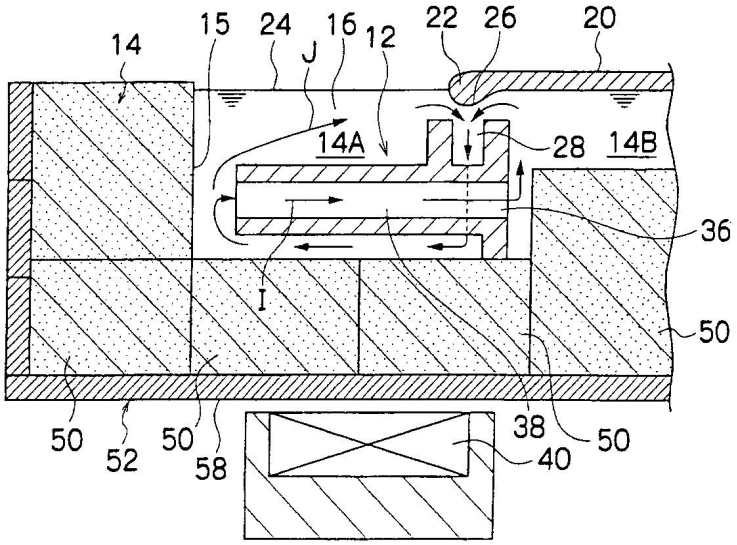
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18
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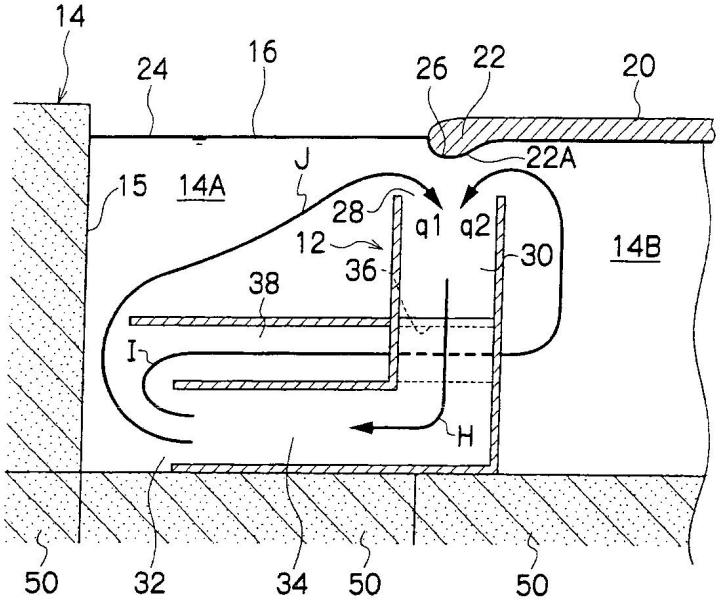
2


14
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16
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14A
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14B
I
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H
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52
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40
58

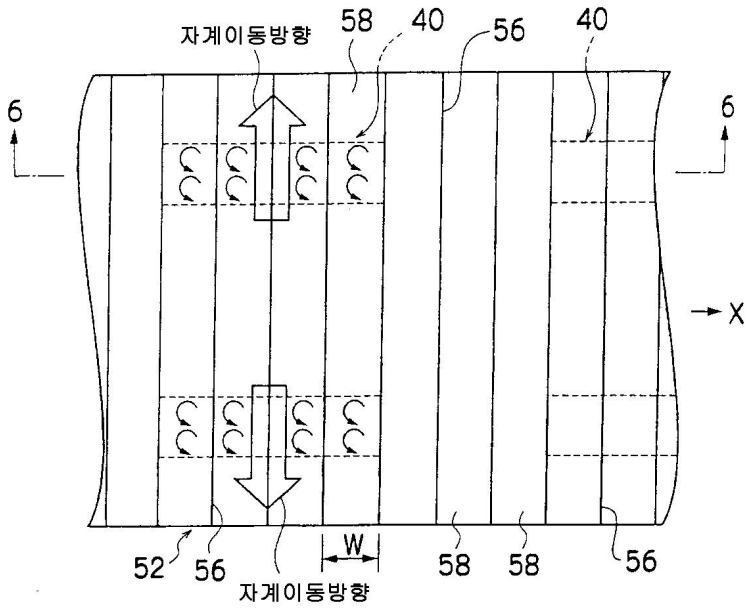
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14A
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14B
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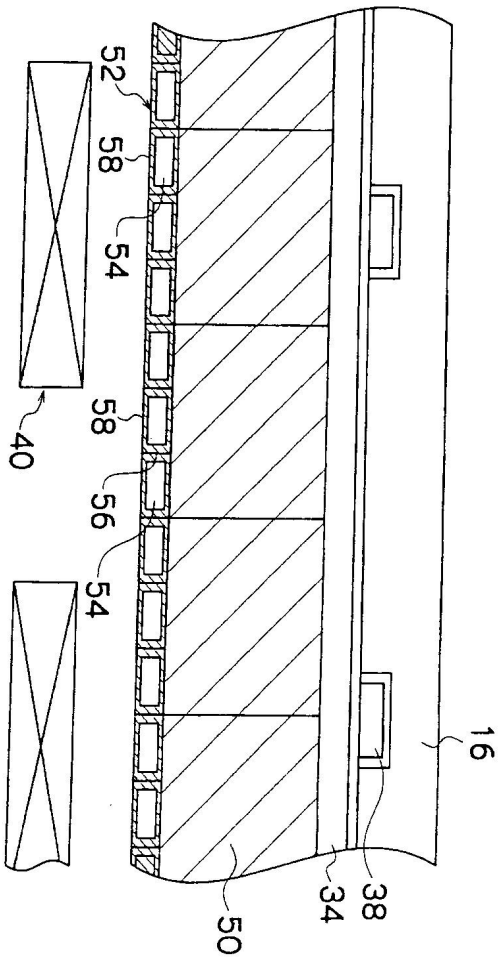
4


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16
26
22
20
22A
J
15
14A
28
q1
q2
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36
30
14B
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I
H
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32
34
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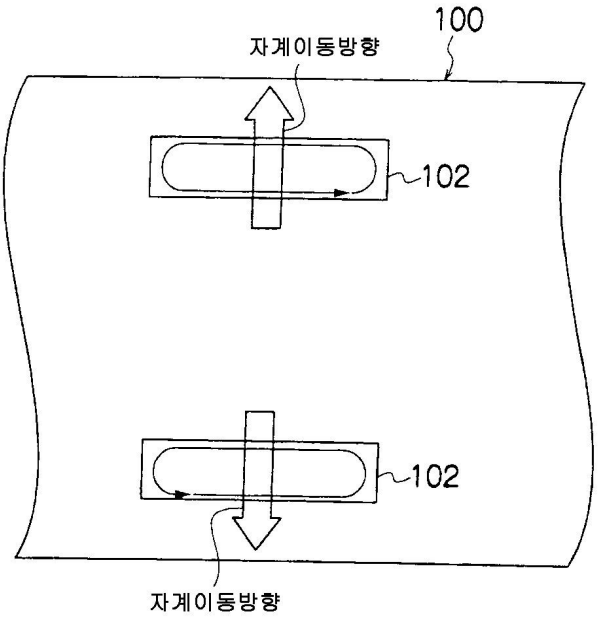
5


자계이동방향
58
40
56
40
6
6
X
52
56
W
58
58
56
자계이동방향

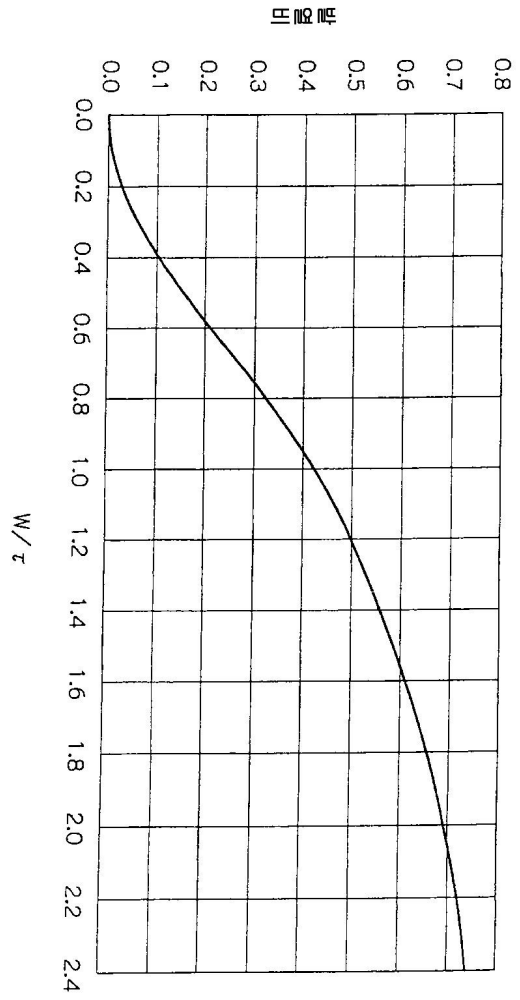
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52
58
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58
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40
16
34
38
50

7


100
자계이동방향
102
102
자계이동방향

8


W/τ
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
속도계수
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8