

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.⁶
G06F 3/033

(45)
(11)
(24)

2003 08 21
10-0386327
2003 05 21

(21) 10-1995-0024093
(22) 1995 08 04

(65)
(43)

1996-0008496
1996 03 22

(30) 08/286720 1994 08 05 (US)

(73) 136-1

95134

3101

(72) 80907 15

80907 2827

80918 5945

80917 2765

(74)

:

(54)

(digitizing tablets)

가 . , 가 .

1
2
3 4
5
6 A, B, C D (MUX)
7
8
9

(digitizing tablets) (sty
lus)
(background signals)가
1 (3) (6) 4 (I-V
)가 2 (6) (9) (11-14)
, I-V
I-V 가 (I) (V)
(6) (11-14)가
가 (3) 가 (11-14)가 (6) (2)
, 4 (6) (2) (11-14)가
5
가
5 가 5 가 4 가
가

경로	상대 길이	상대 저항	상대 전류	상대 I-V 전압
AA	0.66	0.66	1.52	1.52
BB	1.00	1.00	1.00	1.00
CC	0.93	0.93	1.08	1.08
DD	0.55	0.55	1.82	1.82

V/R

1 I-V , I-V
(Noise)
I-V 가
가
0
가
9

her) (self-powered) (self-contained) (tet

1. I-V (4 I-V, 6 (L) .)

2. .

3. 가 가 .

4. I-V .

5. , I-V .

6. , 3 .

7. , 6 , 4 . 6

$$x = (A+B-C-D)/(A+B+C+D)$$

$$y = (A+C-B-D)/(A+B+C+D)$$

8. 2 (x, y) (x, y) 가

(x, y) (x, y)

가

A. 4 (stylus-absent) (ABS_A, ABS_B, ABS_C, ABS_D)

1-8 (MUX)

가 .)

/ 가 / 가 0 .

B. 3 , A

COR_ABS_A,
COR_ABS_B,
COR_ABS_C
COR_ABS_D

C. B 4 , 7

D

$$() D = (A+B+C+D) - (COR_ABS_A + COR_ABS_B + COR_ABS_C + COR_ABS_D)$$

COR_ABS_X

'X' A, B, C D

D. (C)
(DIFFERENCE)

7

(A-C)+(B-D) 또는 계산(1)

(A-D)+(B-C) 계산(2)

y-

(A-D)+(C-B) 또는 계산(3)

(A-B)+(C-D) 계산(4)

(C)

I-V

ERROR_C ERROR_D A , , ERROR_A, ERROR_B, ERROR_C ERROR_D(ERROR_A, ERROR_B, ABS_A, ABS_B, ABS_C ABS_D)

가

A

.)

SIGNAL_A+ERROR_A,

SIGNAL_B+ERROR_B,

SIGNAL_C+ERROR_C,

SIGNAL_D+ERROR_D

가

(1)

| (SIGNAL_A+ERROR_A) - (SIGNAL_C+ERROR_C) | + | (SIGNAL_B+ERROR_B) - (SIGNAL_D+ERROR_D) |

ERROR_A - ERROR_C + ERROR_B - ERROR_D

가 0.1

0

0.4

-0.4

.)

(ERROR_C ERROR_A

, ERROR_D ERROR_B)

가 , ERROR_D

0.01 . ERROR_D

, ERROR_D 0.11 , 가 0.1

, ERROR_D

가

1. (battery - powered)

2. 7

(pen - based)

가

(handwriting)

가

Go Corporation

3. Penpoint

1

I-V

4.

7

. 7-

x

y 128

. (128 2 7)

12.8x12.8

, 7-

0.1 (128 x 0.1 =

12.8)

0.1

5. 가

$12.8 \times 12.8 \times 0.1$
 $1/2 (6.4 \times 6.4) \times 0.05$

가 가 가

(57)

1.

2.

1 - (stylus-present signal)

3.

2

4.

$$x = (C1 + C2 - C3 - C4) / (C1 + C2 + C3 + C4)$$

$$y = (C1 + C3 - C2 - C4) / (C1 + C2 + C3 + C4)$$

가 , C1, C2, C3 C4

5.

4

x y

6.

(battery-powered) ;
가

가

(handwriting-recognition)

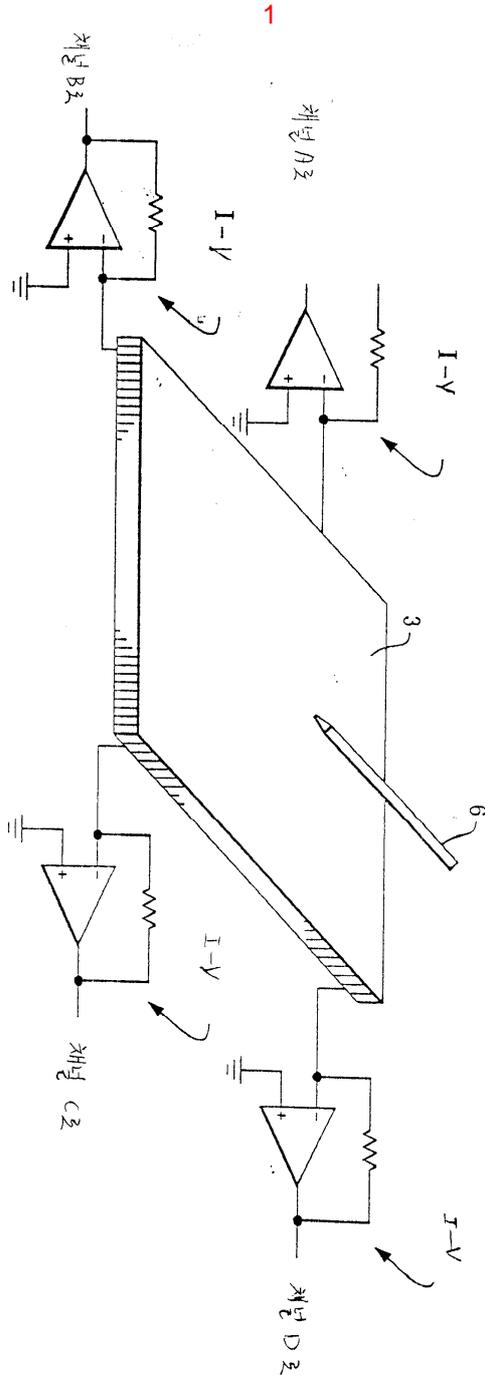
7.

8.

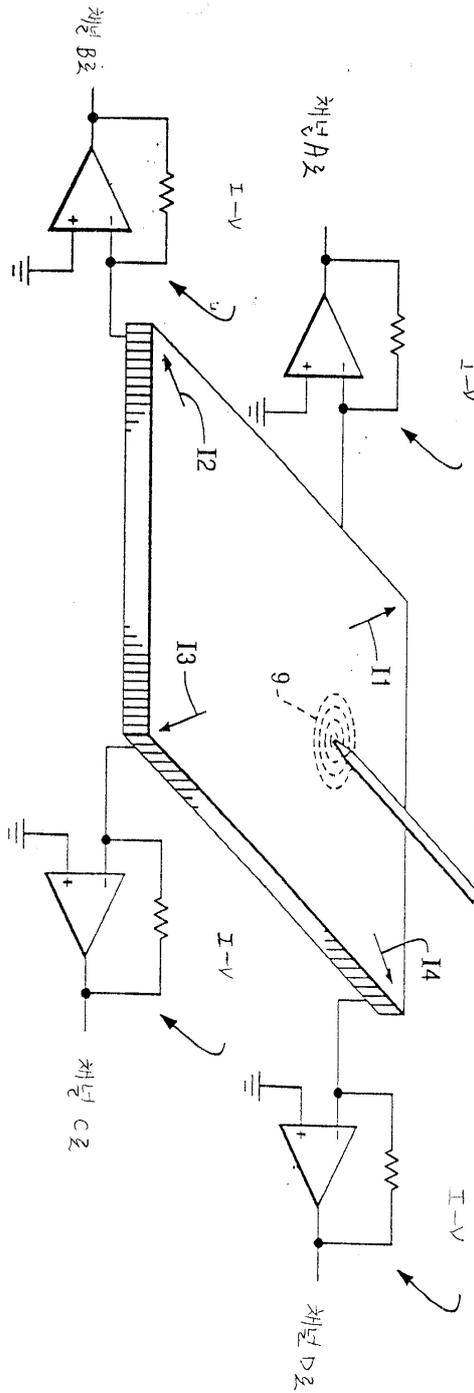
가

9.

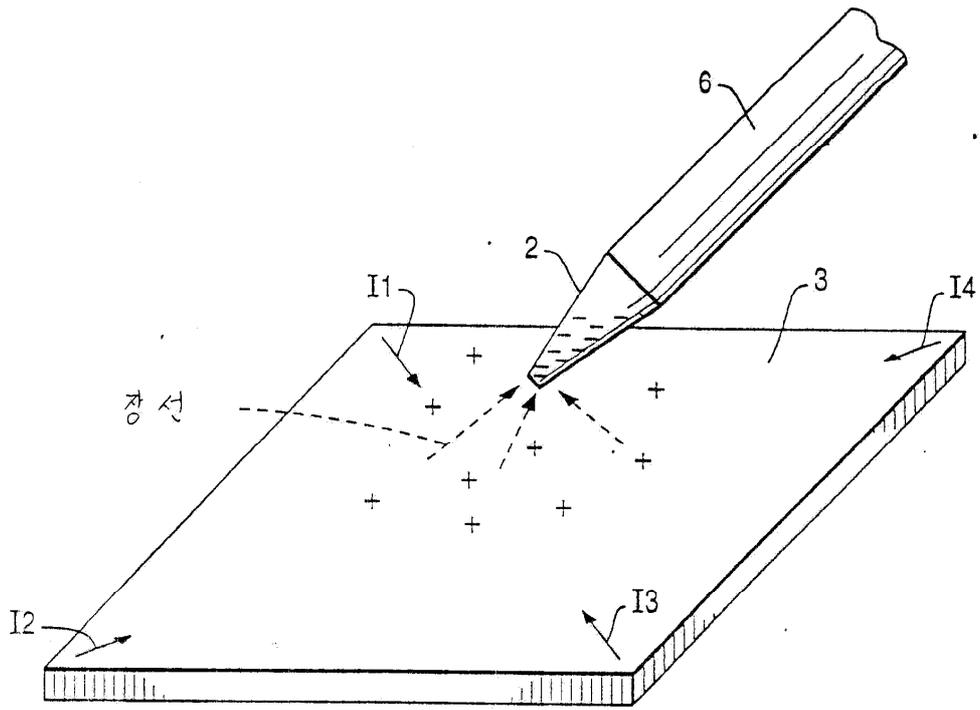
가



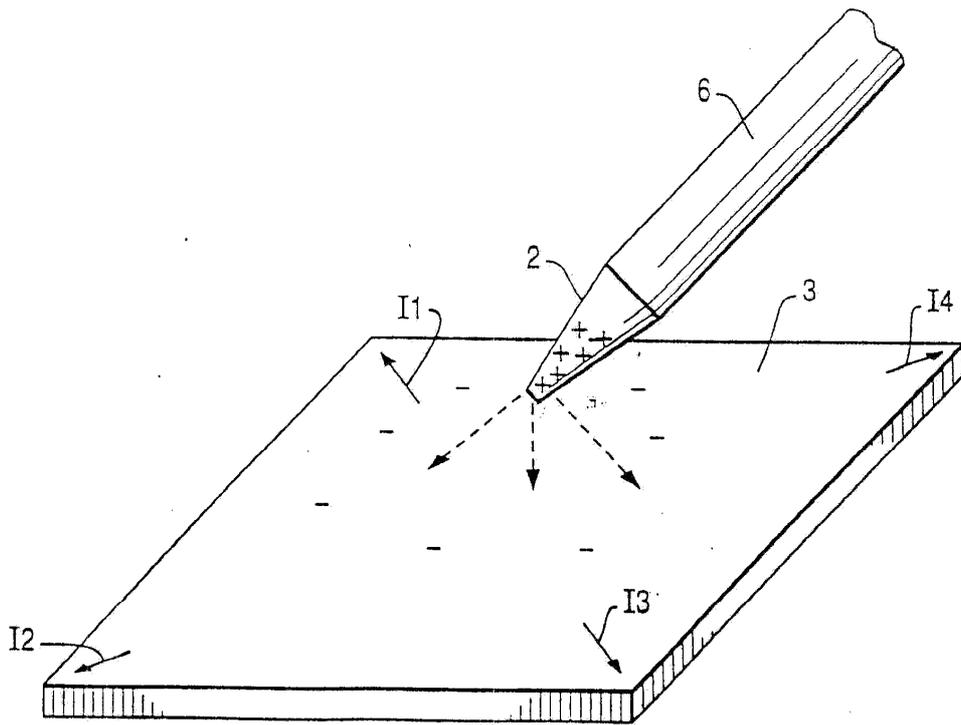
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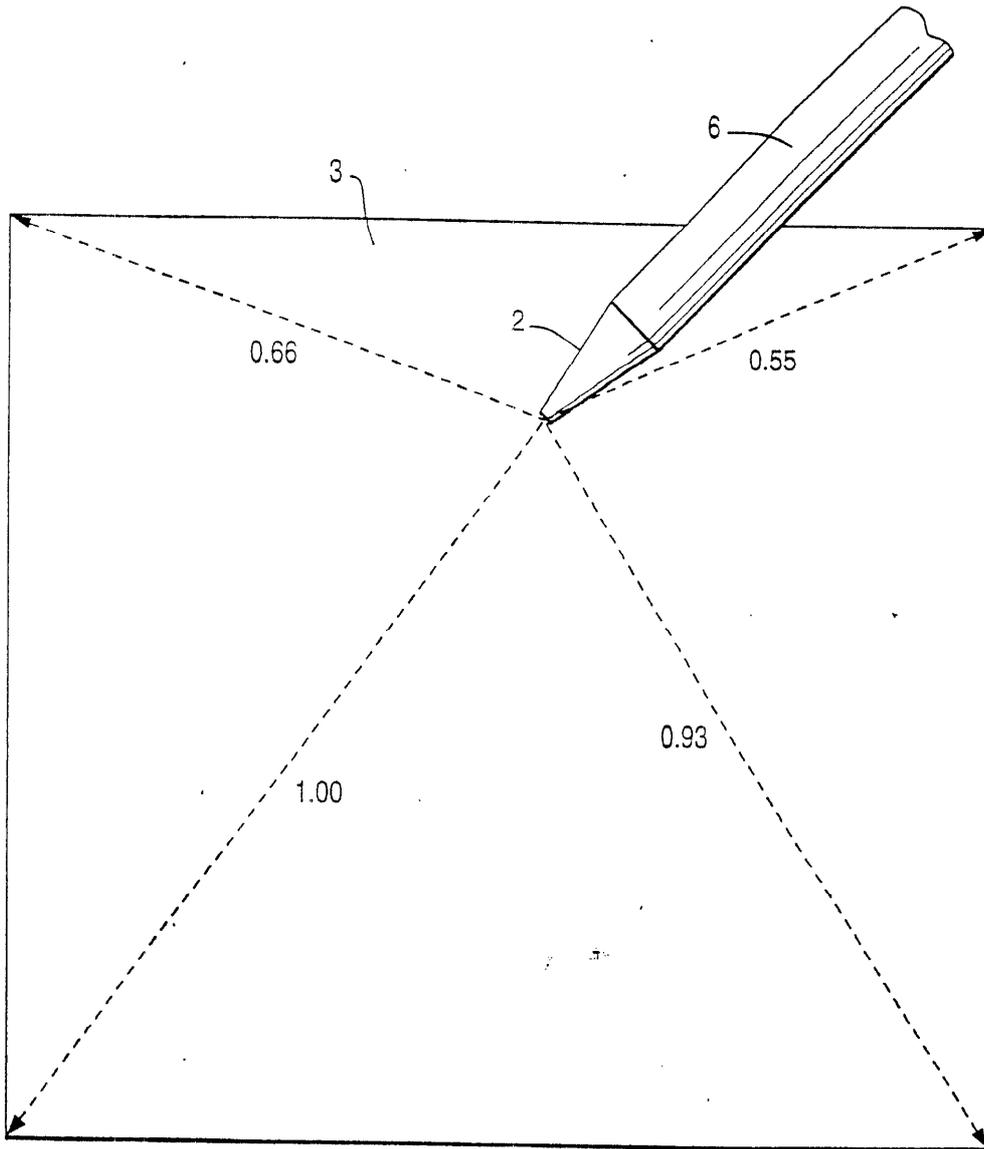
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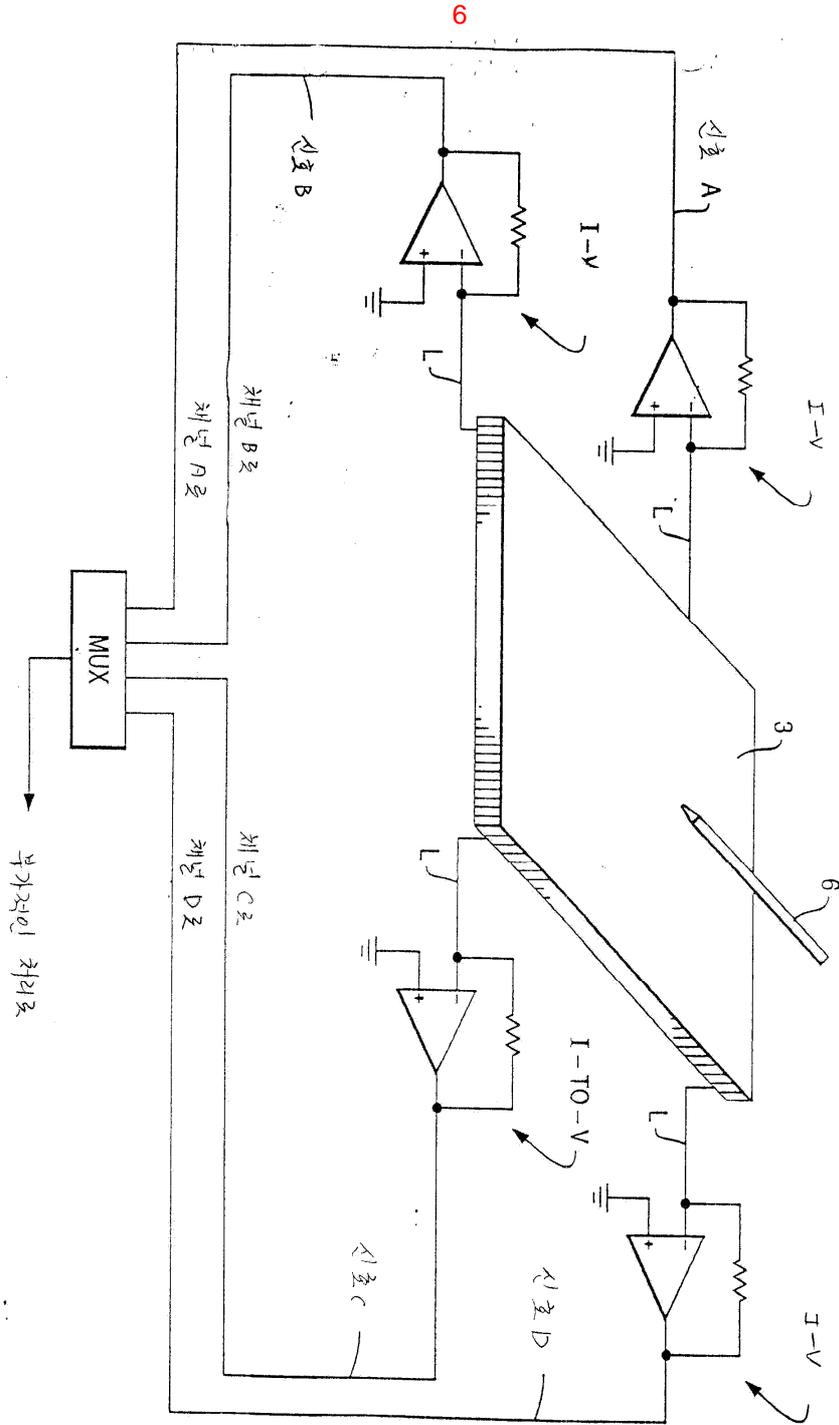


4



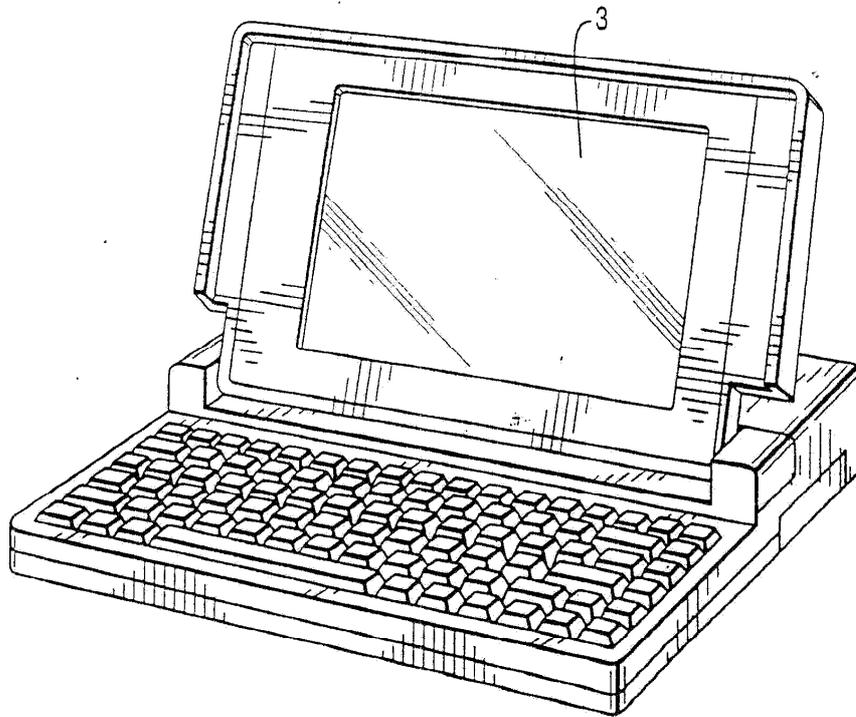
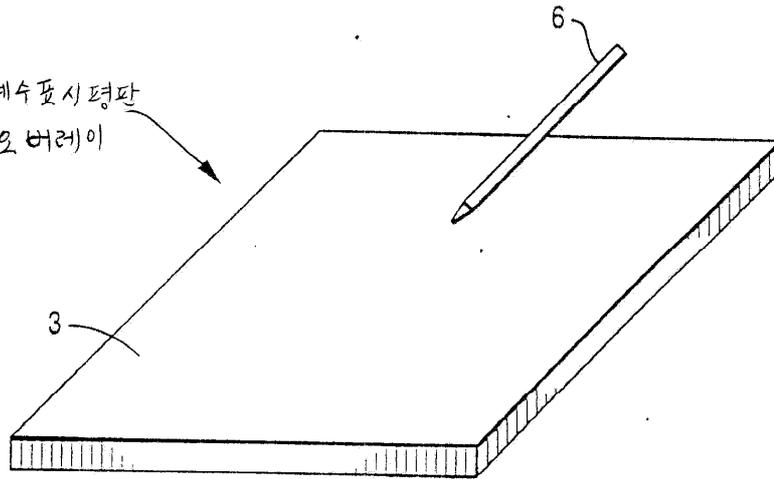
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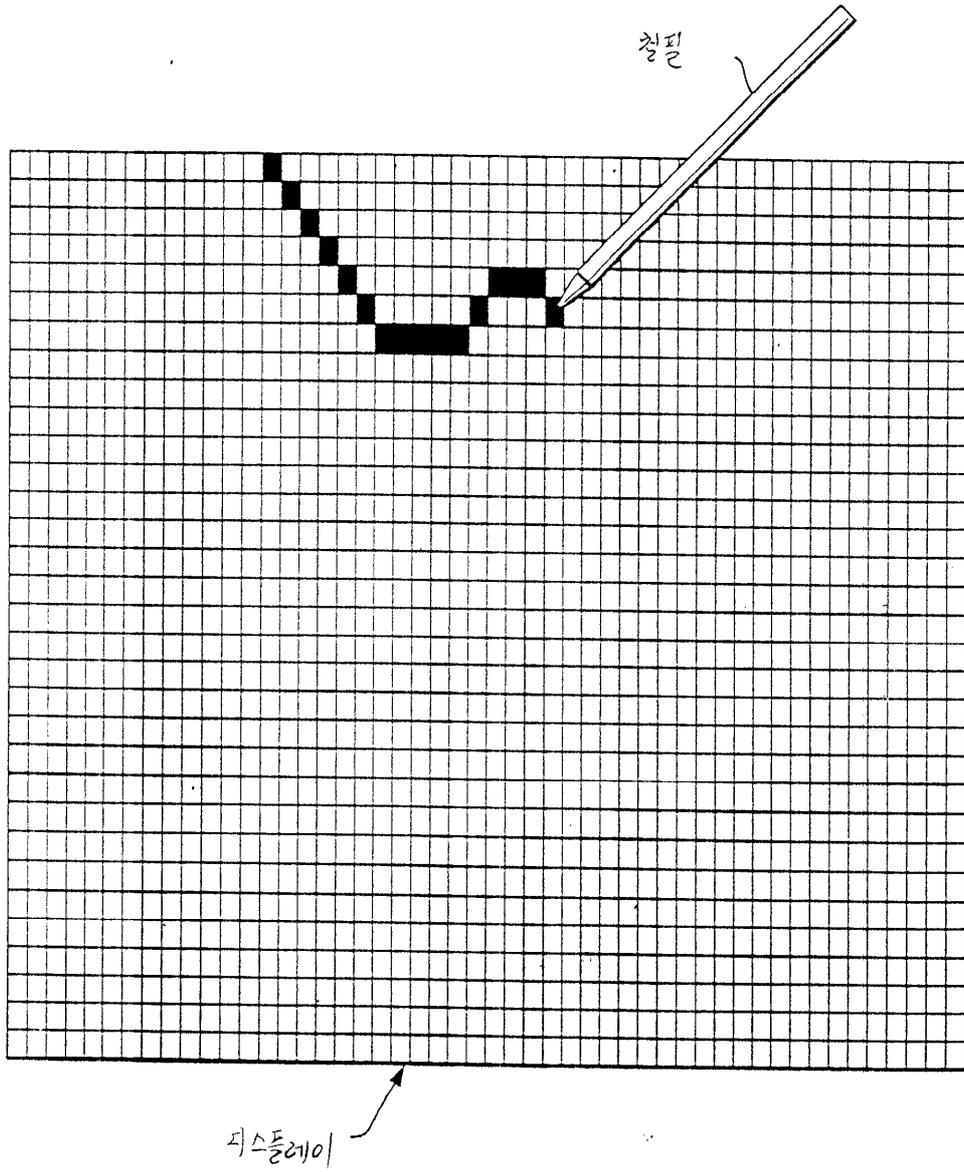


7

계수 표시 평판
오버레이



8



9

