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(30) 2000-059843 2000 03 06 (JP)

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162-1

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가 가 가 가 275-7

(74)

1

(54) ,

(4) (4a) (30) (4) X (15) (L) (4) (4) Y (30) (7) (30) (7) (7a)

2

XY, , , , , , , , , ,

1 1 ,
2 1 ,
3 , (a) , (b) , (c) (d)
4 1 ,
5 ,
6 ,
7 ,
8 (a) (e) ,
9 ,
10 2 ,
11 3 , (a) , (b) ,
12 4 ,
13 (a) (e) 4 ,
14 5 ,
15 (a) (e) 5 .
()
1 : XY 2 :
3 : 4 :
4a, 30a : 7 :
7a : 11 :
18, 130 : 15, 16 :
30 : 50 :

59 - 69939).

가

가

(像光)

()

XY (1) (2) (3) (3) (4) (5)가

(Z) (3) (4) (6) (7) (7a)

(CCD) (4) (4a) (Xt, Yt) XY (1) Z (7)가 (7a) XY X

Y (7) (4) (Xt, Yt)

X Y

(13) (30)가 (10) (11)가 (13) (11) (

18), (15), (16)가

(15) 2 가 (11) (4) (14)

45 (L) 3(b) (L) 3(c) (4) 3(a) (4) B

(4) A (L) 3(d) (L) (4) X

가

(16) 45° (30) (4) (30) (18) (18a)

(4) (18a) (30) (7) (16) (18) (18) (7a)
 (4) (4a) X (18b) (30) (30a) (d2) (7) (7a)
 (7) (Xt) (7b)
 ,
 ,
 ()가
 ,
 4 XY (1) (20) XY (21)
 (7) (22)
 (20) (Xt, Yt) (23)
) (Xw, Yw) (Xt, Yt) (Xw, Yw)
 (Xw, Yw), (X, Y) X, Y 1 24 (Xt, Yt), (Xw, Yw)

$$X_t = X_w + \overset{1}{X}$$

$$Y_t = Y_w + Y$$

(Xt, Yt) (5) (4) XY (4) (4a) XY
 (30) (20) (4) (21) (4a) XY
 (1) (4) (30) (30) (30) (4) (30a) (4) (4a)
 (7)가 (4) (30) (30) (30) (30) (30a) (4) (4a)
)
 Y₁ (7) (4) (30) , X₁,
 (16) (4) (30) (16)
 7) 6 (18) (18a) (7) (4) (30) (4) (30) (30) (30a) Y
 (Y₁) (15) (L) (4) X (4)
 , 6 (4) (4a) (30) (30a) X (X₁)
 1) (4) (30) X₁, Y₁ (21) XY (1) (20)
 5 (23) (Xw, Yw) XY (7) (30) (30) (30) (30) (30) (30)
 0a) (30) (7) (7a) (X₂, Y₂) (Xt, Yt) (X, Y) (0) , X₁,
 (Xw, Yw) (Xw, Yw) (X₁, Y₁) (X₂, Y₂)
 Y₁ X₂, Y₂ (6) (3) (Xt, Yt) (X₁, Y₁) (X₂, Y₂)
 Y₂ () (X, Y)가 (X₁, Y₁) (X₂, Y₂)
 Y₂) , 2 (X, Y)

$$\Delta X = \Delta X_1 - \Delta X_2$$

$$Y = Y_1 - Y_2 \quad (20)$$

(Xw, Yw) (X, Y) (Xt, Yt) 1 (23) (Xt, Yt)
 (Xw, Yw) (X, Y)가 (Xt, Yt) ()
 (7) (4) (15) (L) (4) X (4) X
 (L) , (4) , (4) (L) (4) X
 (4)

[illegible]

$X_2, Y_2)$,
 (4) (4) (4a) (115) (4a) Y (4) (4a) Y
 115a) (4) (4a) 13(b), - Y 13(a) 13(c), - X
 13(d), X 13(e) 4
 (4) 5 14 5 2, XY 2
 , 3(b) (L₄, L₅) (4) 14
 (4) 2 (4) (4a) (4) (4a) Y (4)
 (4a) 15(a) 15(c), -X 15(d)
 15(b), -Y 15(e) 5
 , X (4)
 가 가
 (18, 130)
 ()

(57)

1.

2.

3.

1

4.

3

5.

3

6.

가

7.

8.

6

9.

8

10.

8

9

11.

12.

XY

가

XY

1

1

XY

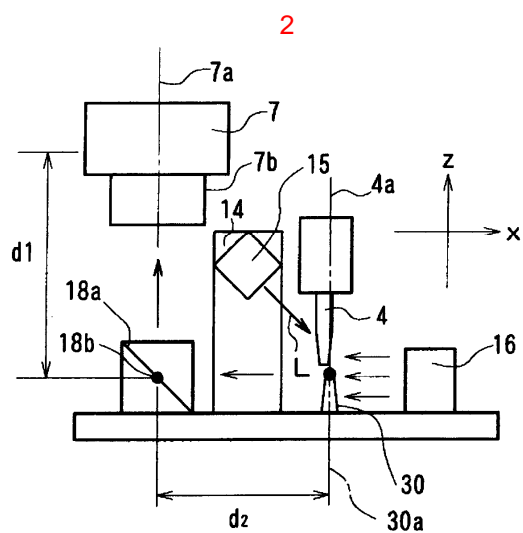
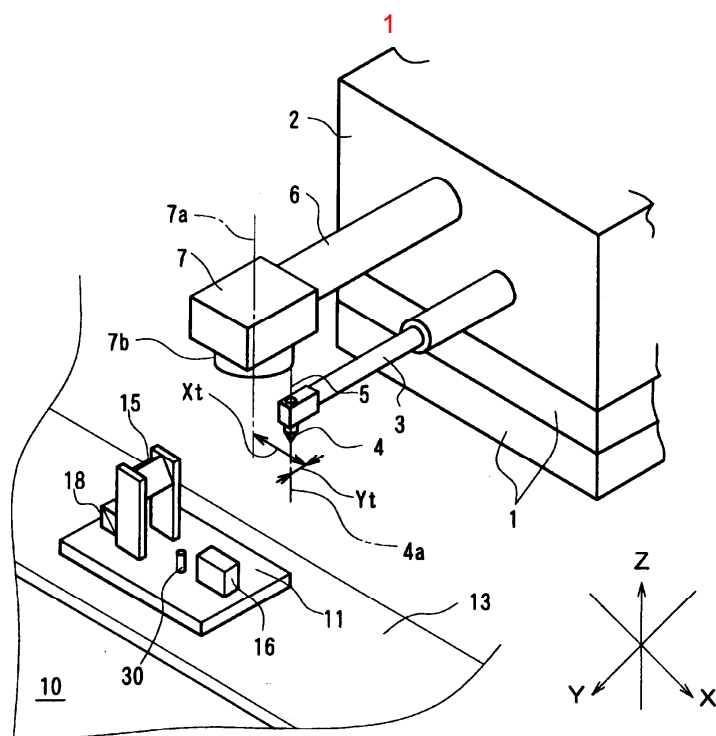
XY

2

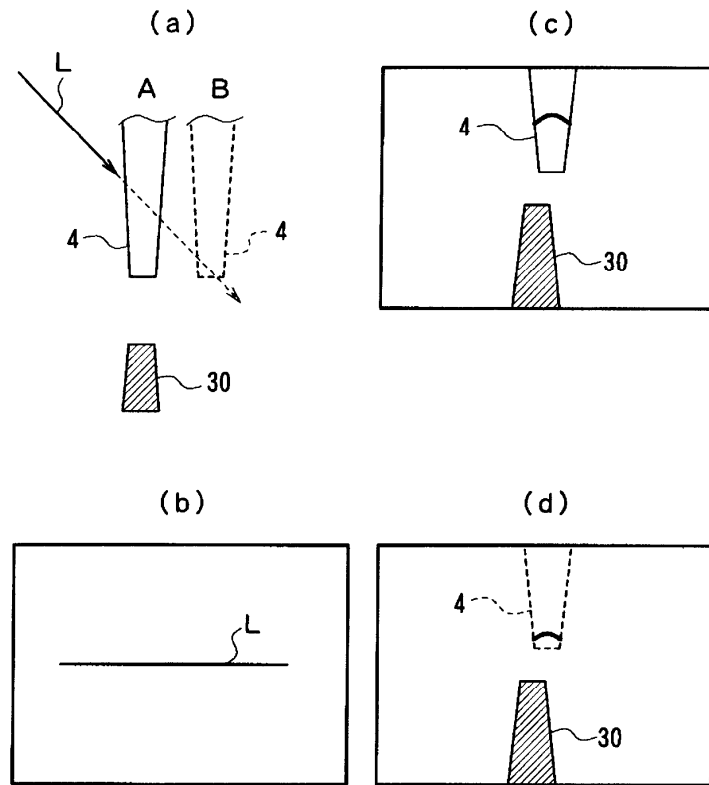
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2

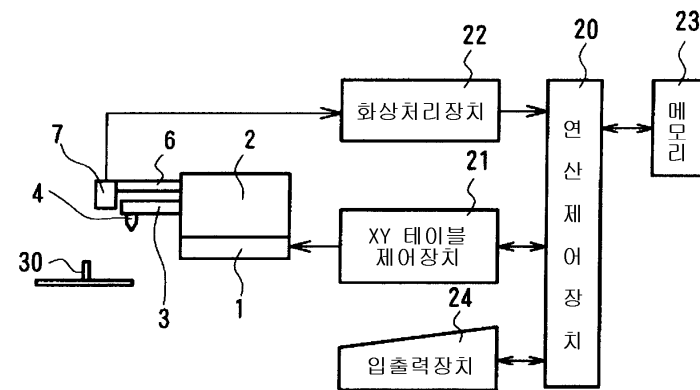
XY



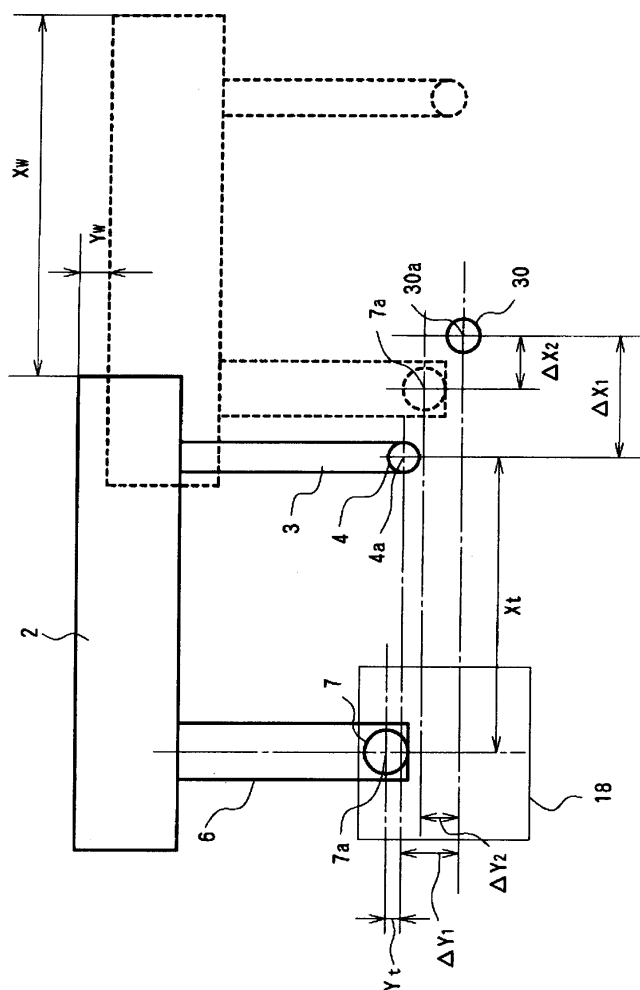
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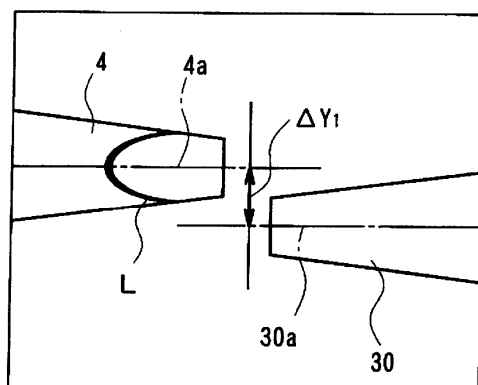
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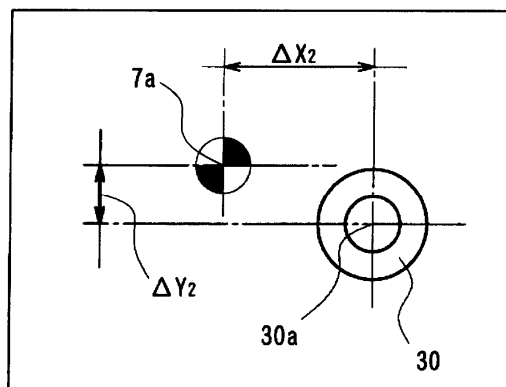
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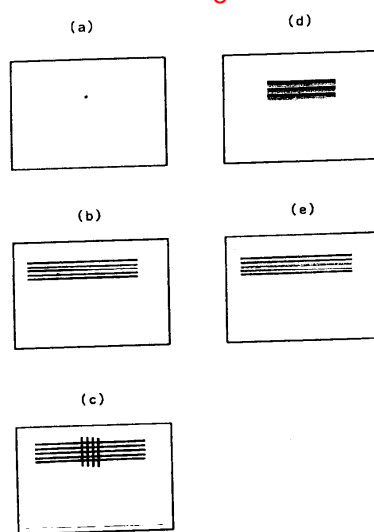
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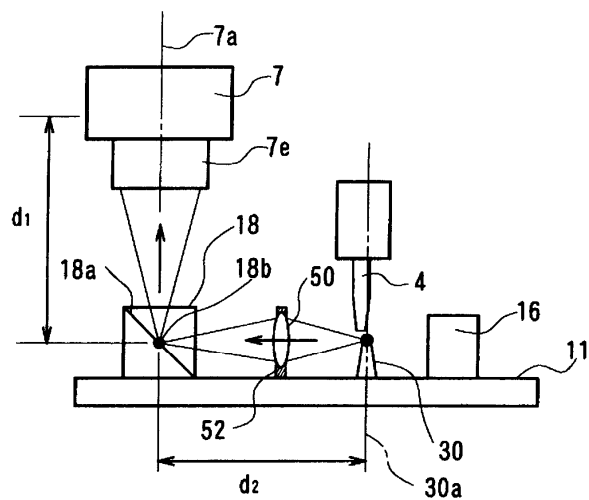
7

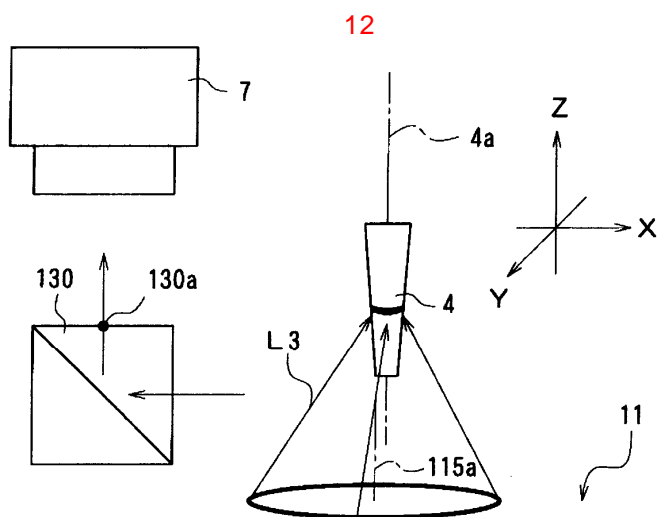
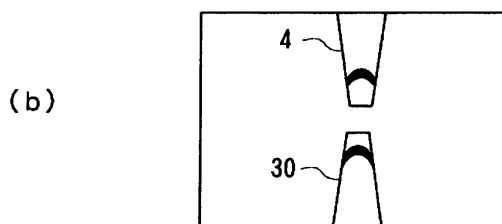
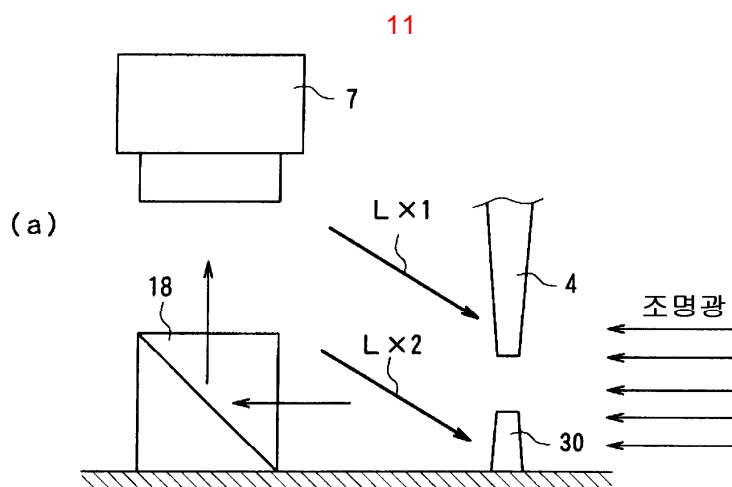
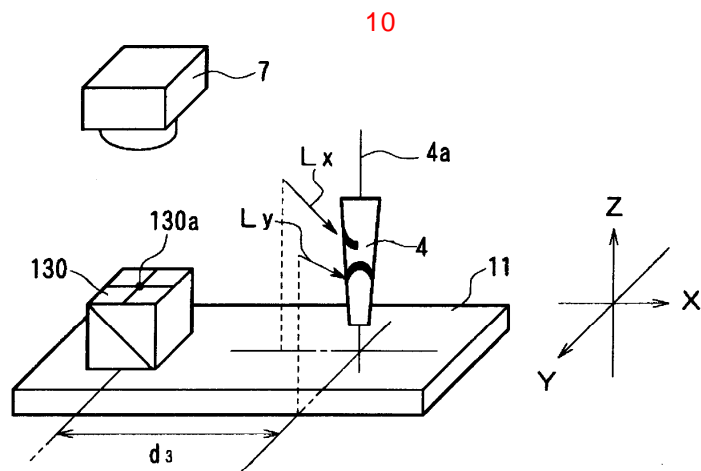


8

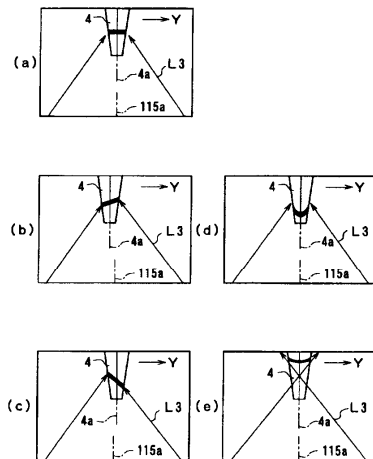


9

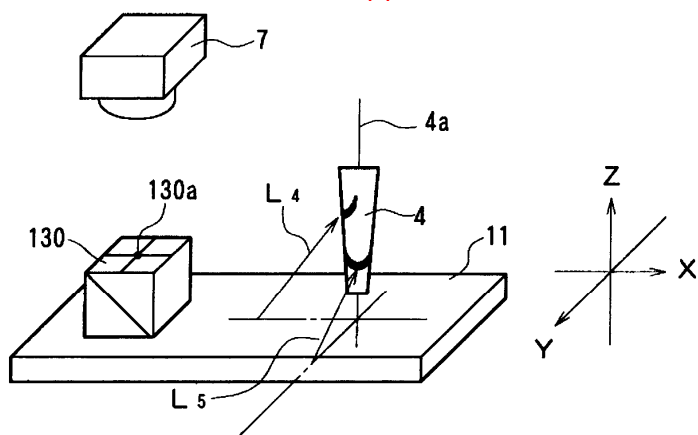




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14



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