

(19)
(12)

(KR)
(B1)

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H01L 21/027

(45)
(11)
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2001 11 01
10 - 0299517
2001 06 09

(21) 10 - 1999 - 0023766
(22) 1999 06 23

(65) 2001 - 0003469
(43) 2001 01 15

(73)

136 - 1

(72)

97 103 109

210 - 1203

(74)

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(54)

BARC , BARC , BARC , BARC ,
5,000 10,000 , 170 200 , BARC , BARC
25 . , BARC 15

2g

1

2a 2h

3a 3b

4a, 4b 5 가

()

20 : 21 :

22 : 22A :

23 : BARC 23A : BARC

H1 :

H2 :

가

365nm , 가
, 248nm DUV(Deep UltraViolet)

DUV I- 가
HT - PSM ,
(sidelobe effect) 가

가

가

5,000 10,000 170 200 DUV
15 25 I-

2a 2h

2a (20) (21) (21) (22)
2b I- (22) (H1)
3a 3b (H1) (22A)

2c (H1) (22A) (Organic) (Bot
tom Anti - Reflective Coating; BARC) (23) 5,000 10,000 , BARC (23) , BARC (23)
170 200 , 2d (23) (22A)

2e , BARC (23) , BARC (23)
15 25
2f (22A)
(H1) BARC (23A)가 , 4a, 4b 5 ,
, 4a 4b (H1) 가 (23A)
5 , BARC (23A)

2g (23A)가 (22A)
(20) 가 (21) (21) (H2) , 2h
, (23A) (22A)

I- , BARC DUV

, DUV DUV 가

(57)

1.

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가

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2.

1 , 5,000 10,000

3.

1 2 , 170 200

4.

3 , 15 25

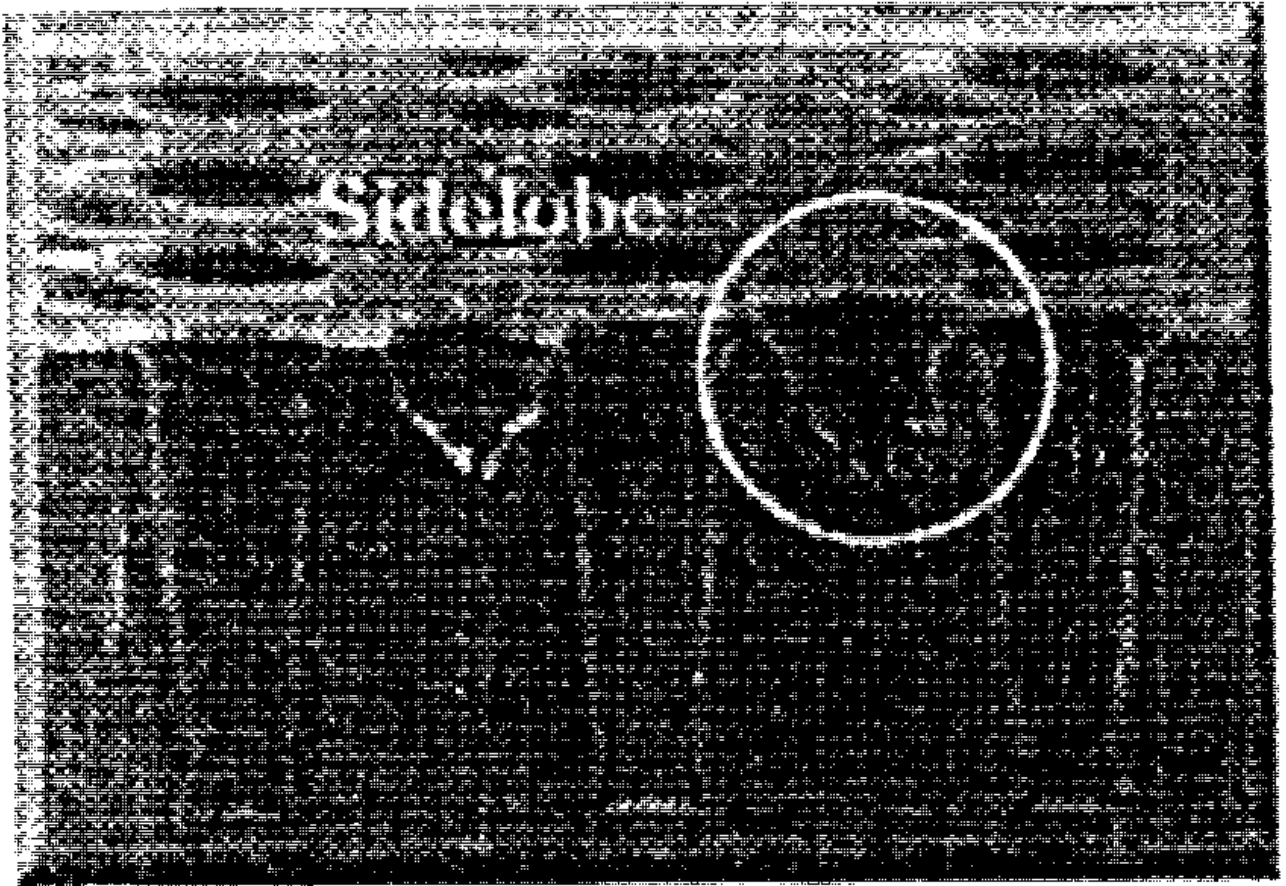
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1 , 1 -

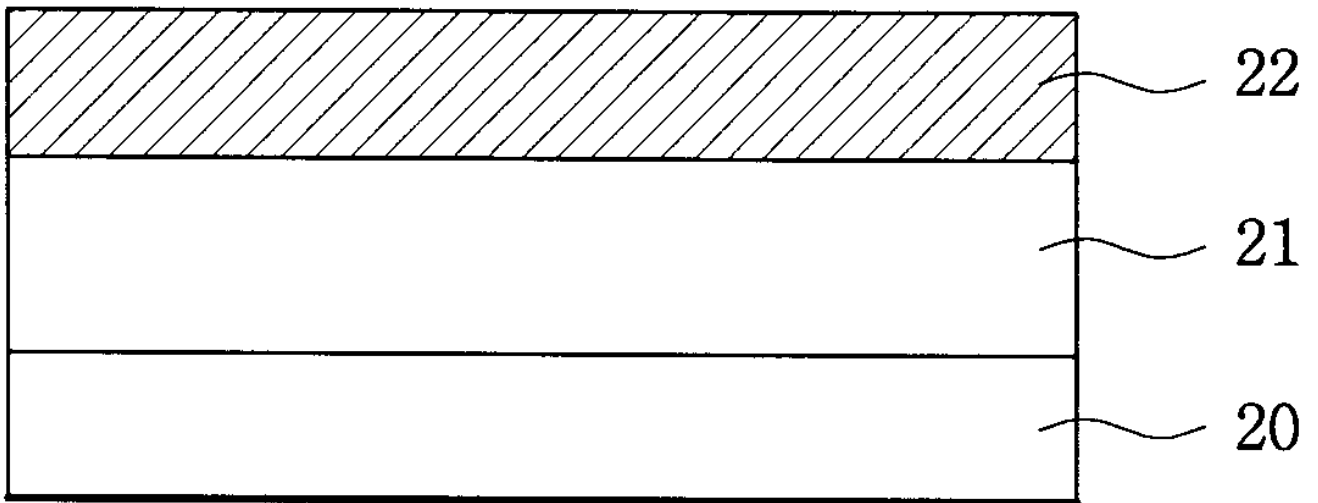
6.

1 , DUV

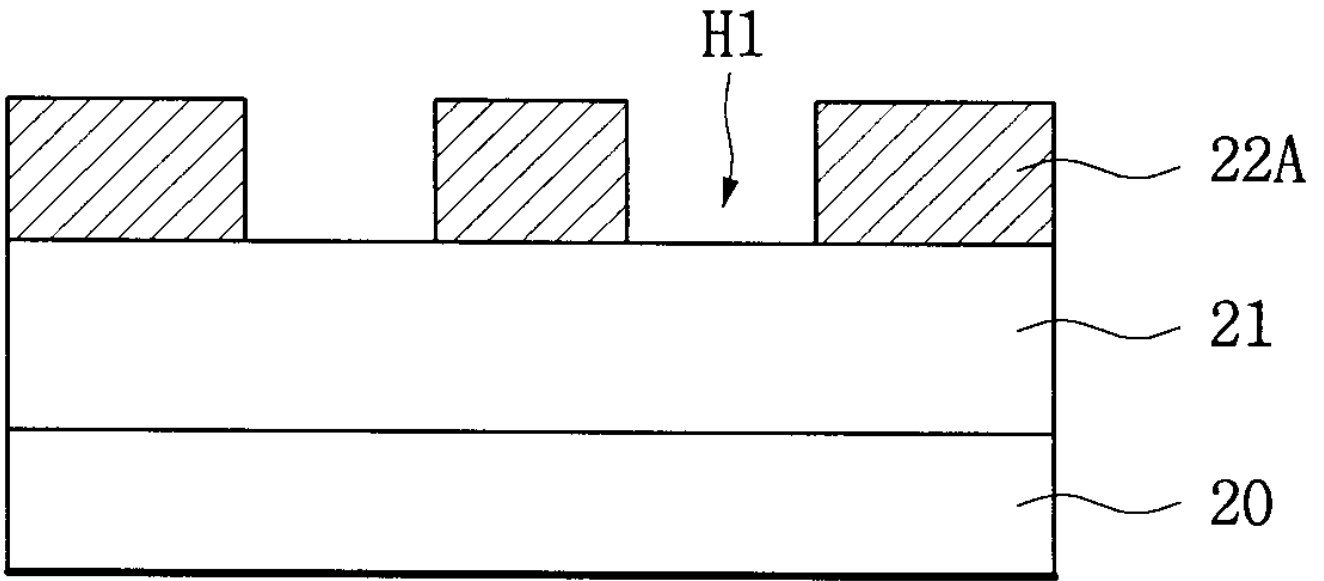
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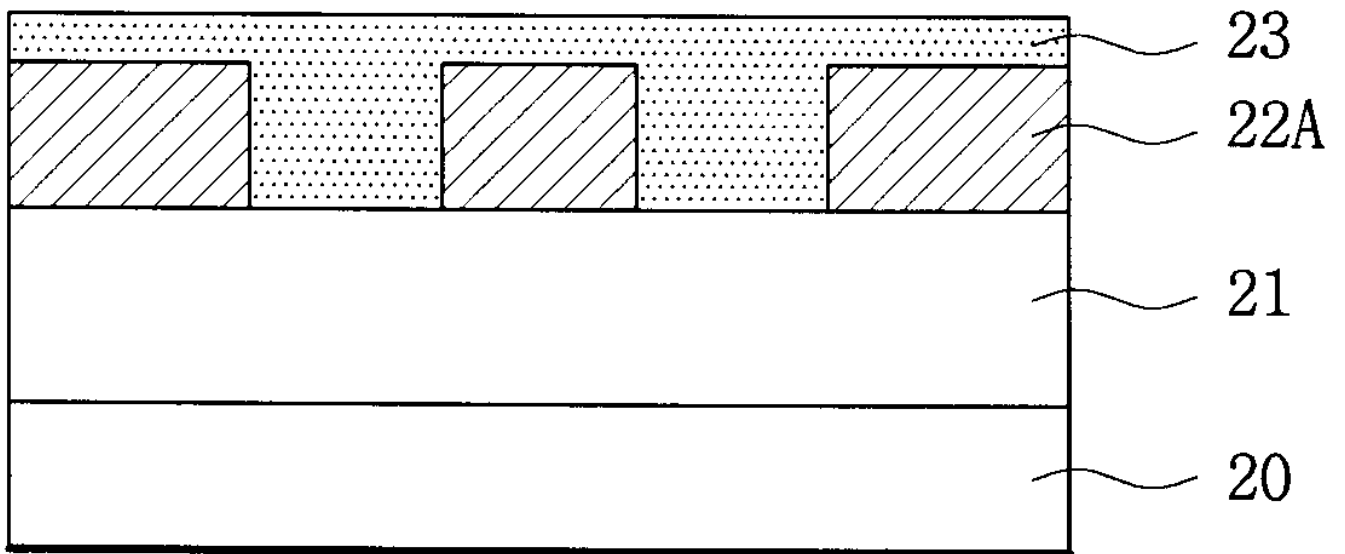
2a



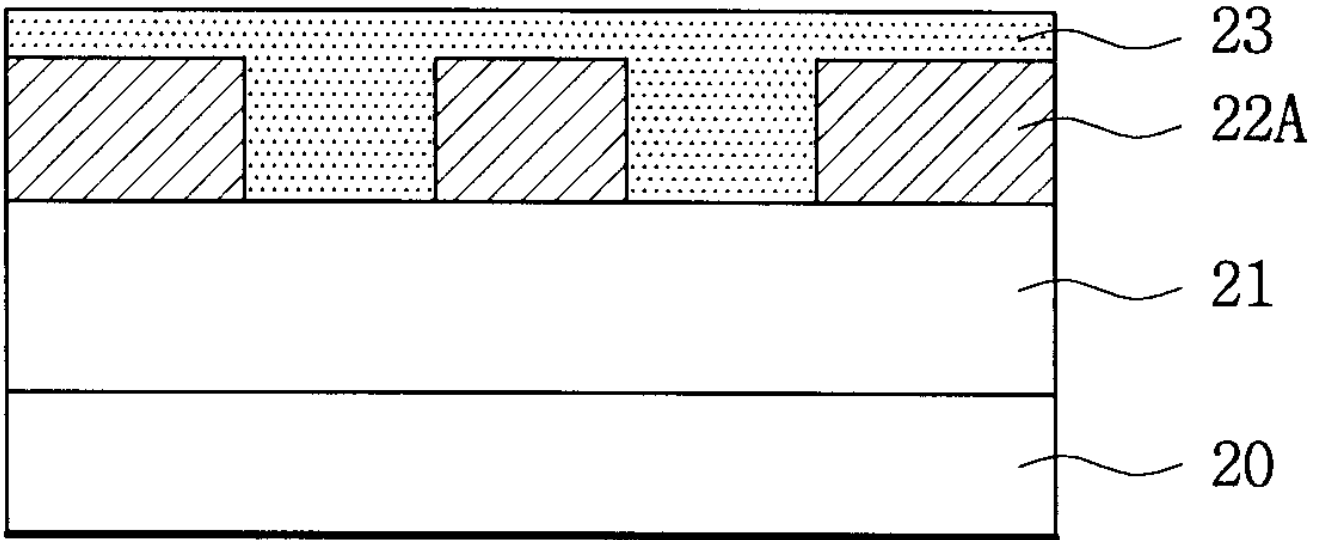
2b



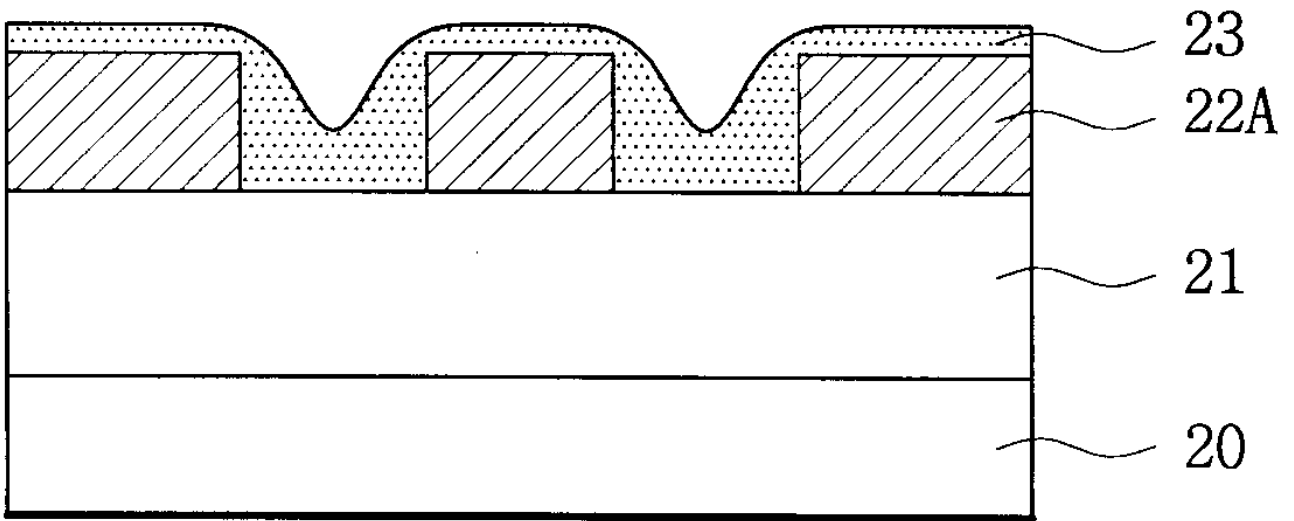
2c



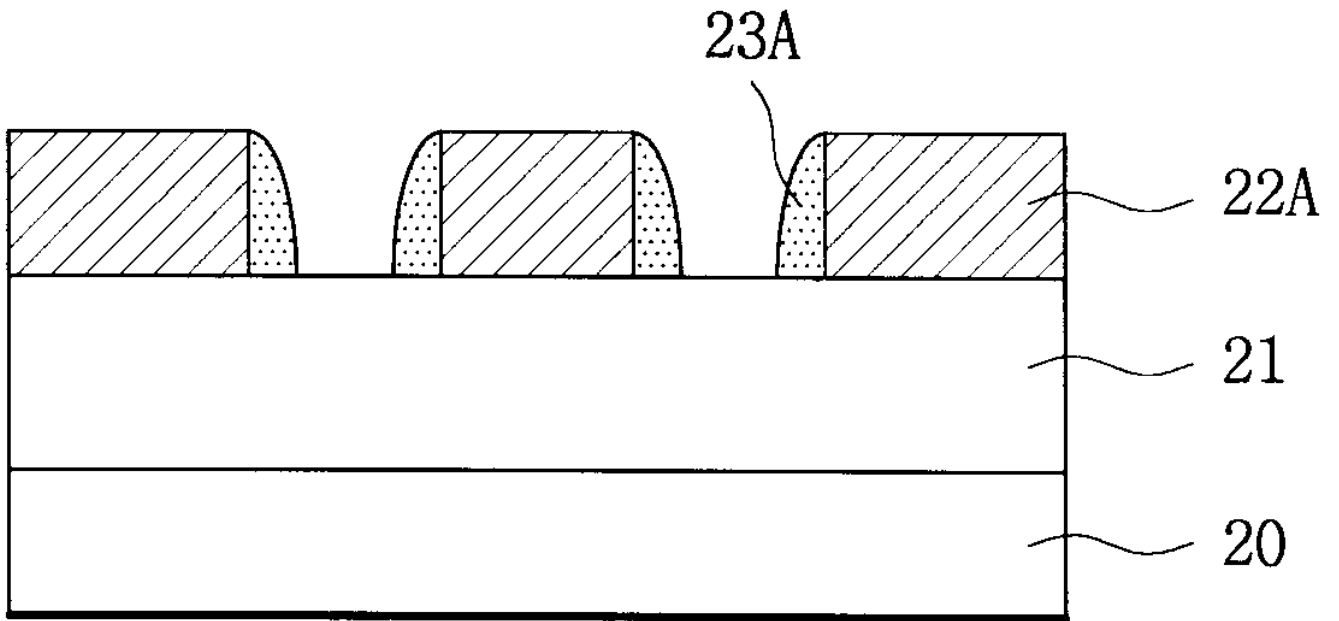
2d



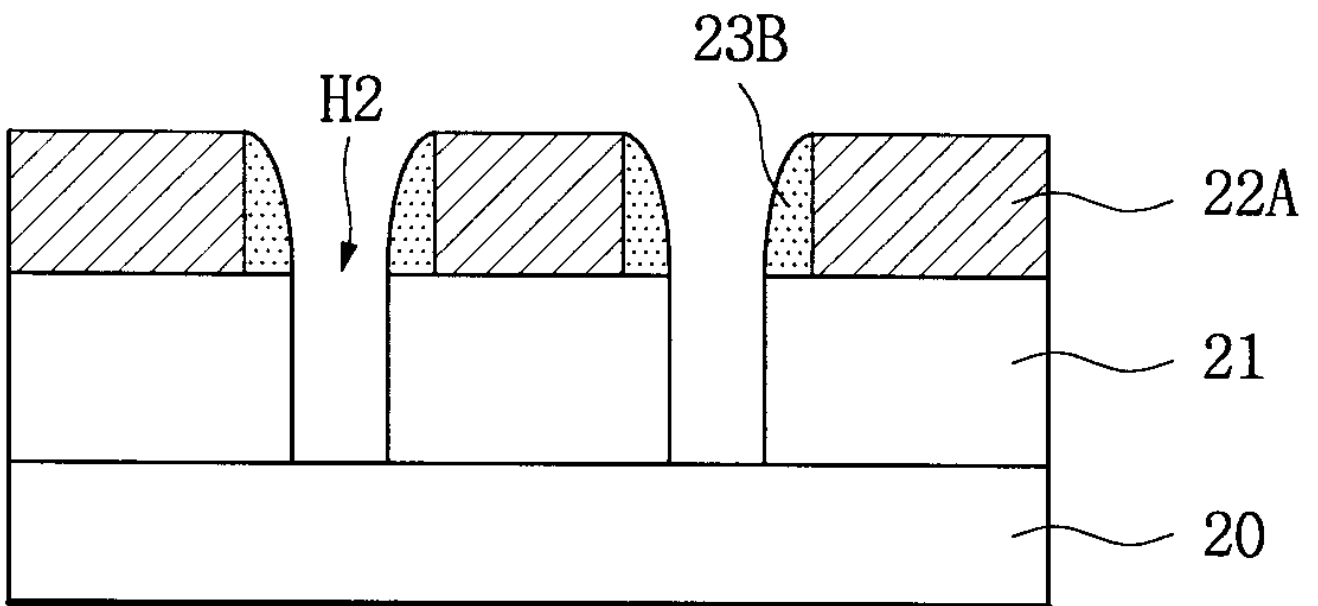
2e



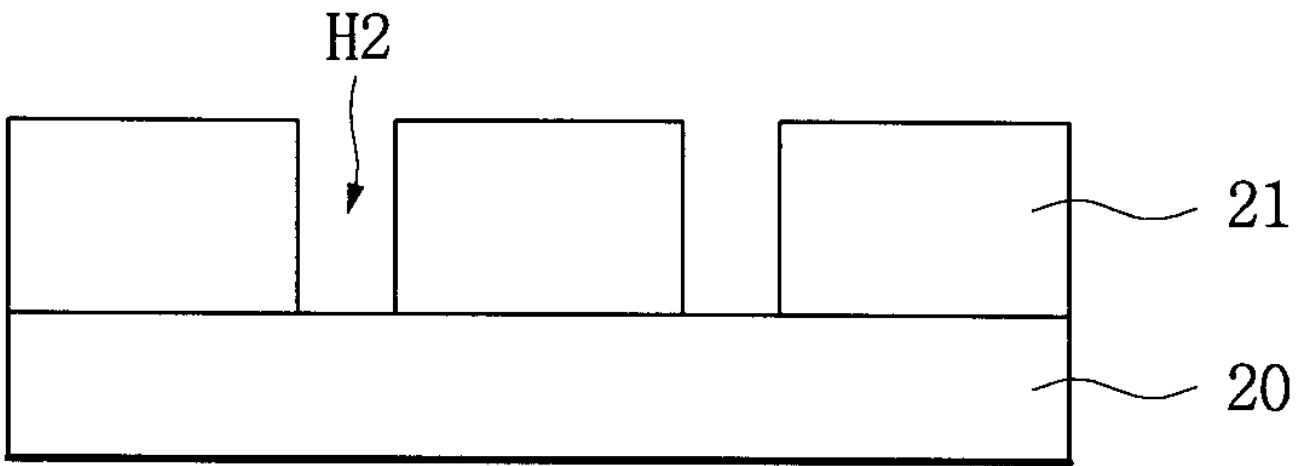
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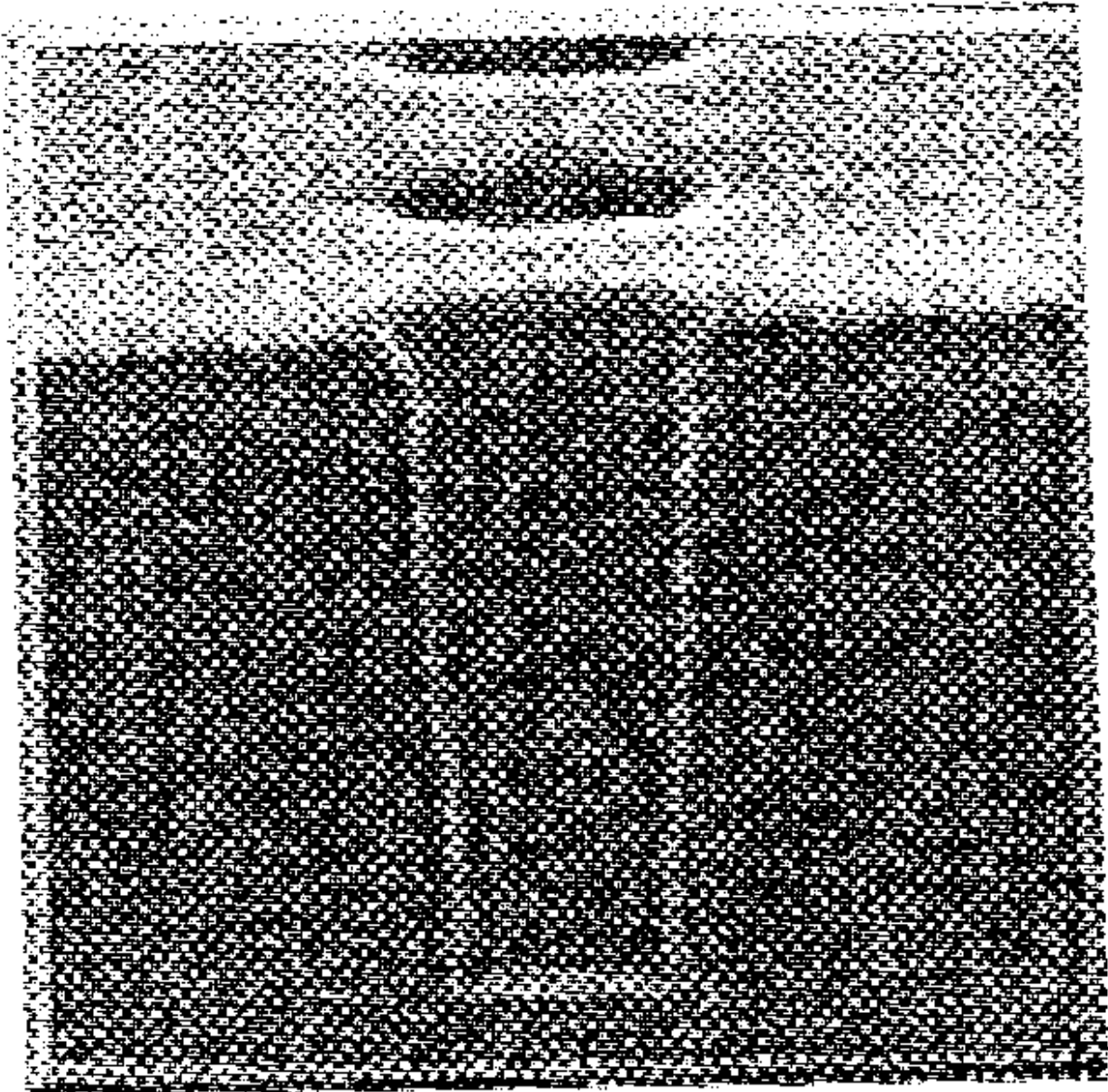
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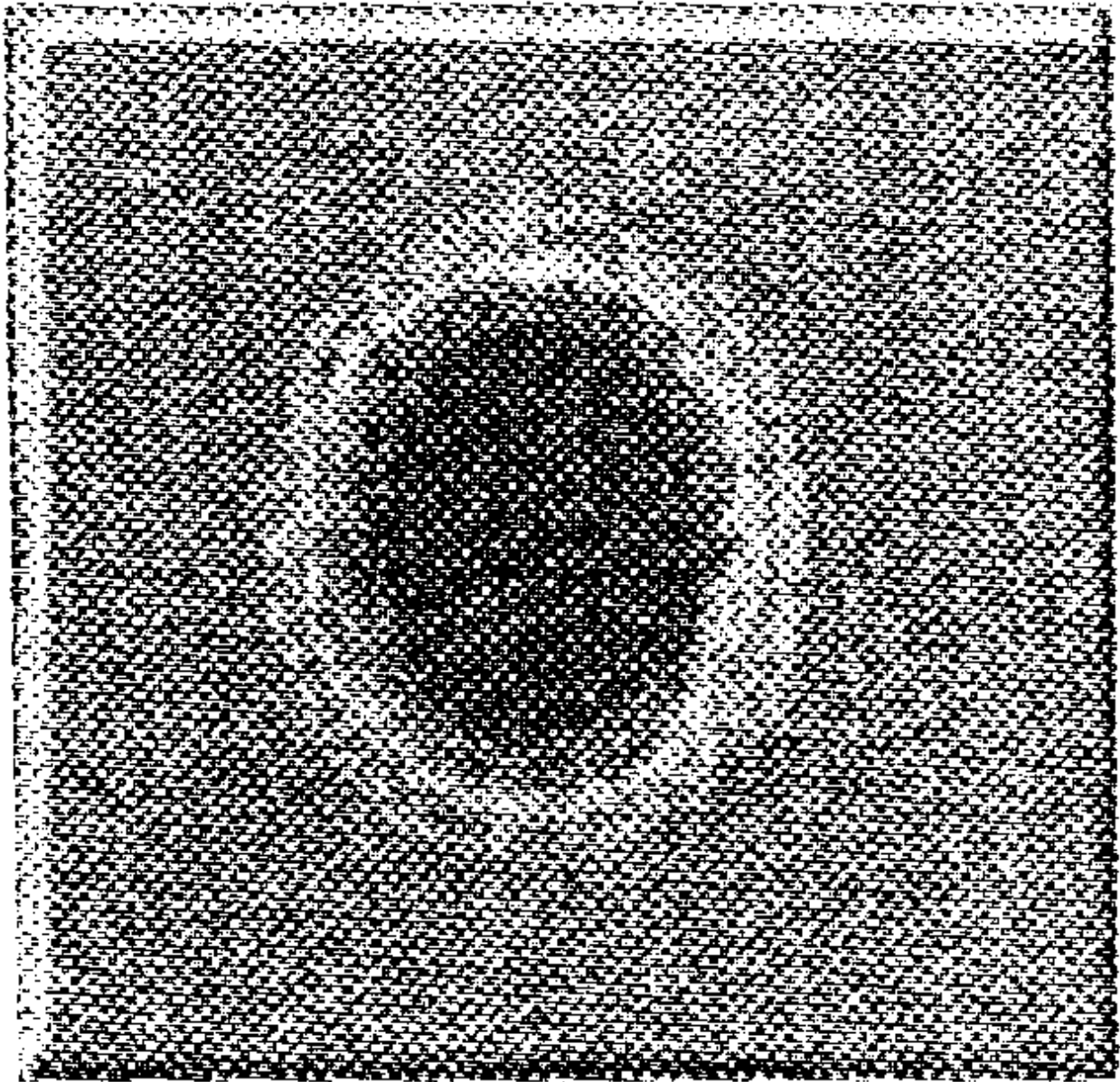
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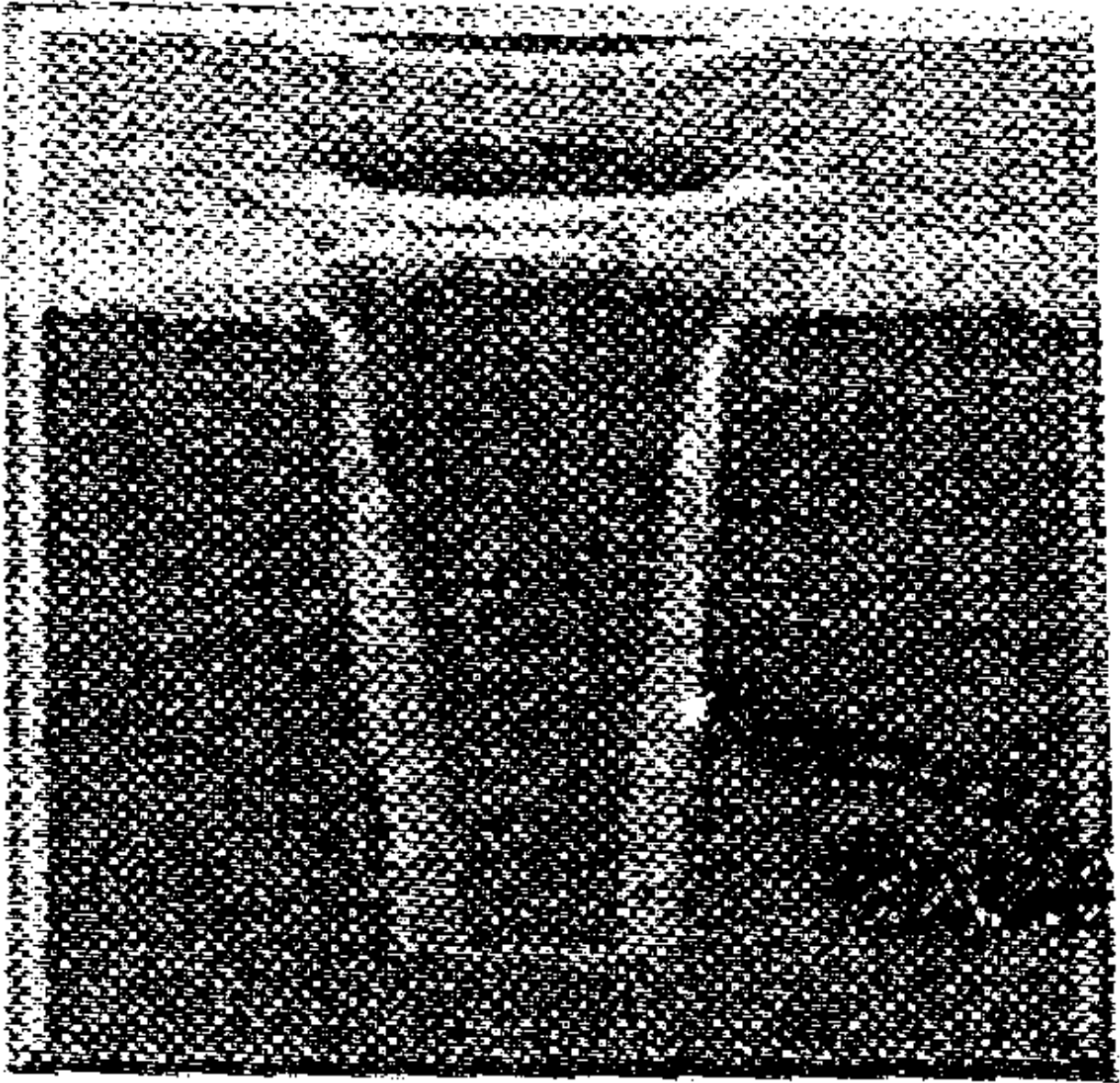
3a



3b



4a



4b

