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(12)

(KR)  
(B1)

(51) 。 Int. Cl. <sup>6</sup>  
H01L 27/10

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(11)  
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2002 07 18  
10 - 0334388  
2002 04 15

(21) 10 - 1998 - 0024895  
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, DRAM

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가 가

22

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10 :            12 :  
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 22 : 1           24 : 1  
 26 : 2           28 : 2  
 30 : 2           32 : 3  
 34 : 3           36 : 4  
 38 :            40 : 5  
 41 : 4           42 : 3  
 44 : 6           46 :  
 48 : 4           50 : 5  
 52 : 7           54 : 6  
 56 :            58 : 7

(cell)

DRAM

SRAM

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lding)

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(row) (column) , (option) ,

(charge) , (tunneling electron)

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, (10) ( ) (14) (16) , ( (14) (16) (10) ( ) n (1

8) . ( 1 )

, 1 (20) (chemical m

echanical polishing, CMP ) . ( 2 )

, 1 (18) (18) , (14)

(16) 1 (22) , 1 (22) 1

(20) . ( 3 )

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, 1 (24) CMP 1 (20)

. ( 5 )

, 2 (26) . ( 6 )

, 2 (26) (26) (18) (24a)

2 2 (28) , 2 (28) ( )

. ( 7 )

, 2 (28) , (24a) 2

(30) . 2 (30)

2 (30) 3 (32) . ( 8 )

, 3 (32) 3 (34)

3 (34) 3 (32), 2 (30) 2 (26)

. ( 9 )

, 3 (34) , 4 (36) . ( 10 )

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, (38) 5 (40) , , CMP

. ( 11 )

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(24b) 4 (41) , 4 (41)

5 (40) (38) (24b) . ( 12

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, 4 (41) , (24b)

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, 3 (42) 6 (44) , CMP  
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, NO, ONO (46) 4  
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 (48) ( ) 5 (50) .

, 5 (50) 4 (48) (46) .  
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, 5 (50) , 7 (52) .

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, 6 (54) 7 (52) 1 (20)  
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, 6 (54) , (18) (  
 56) . ( 20 )

, (56) 7 (58) (58) 7 (58) (56)  
 . ( 21, 22 )

, DRAM  
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가 가

(57)

1.

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2.

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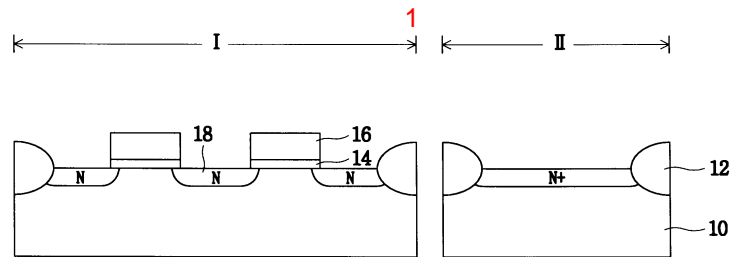
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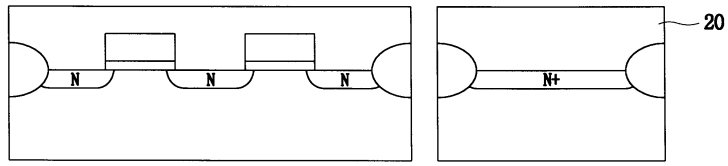
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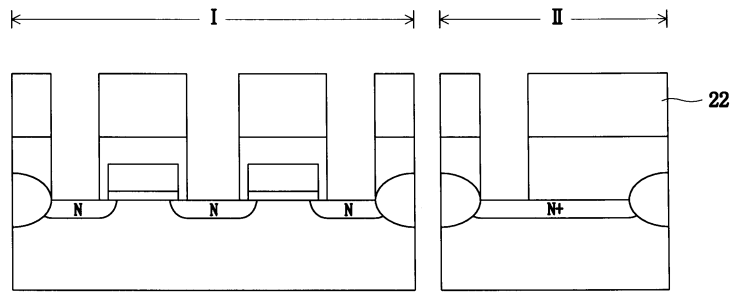
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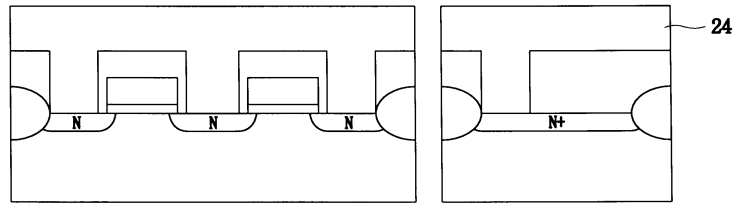
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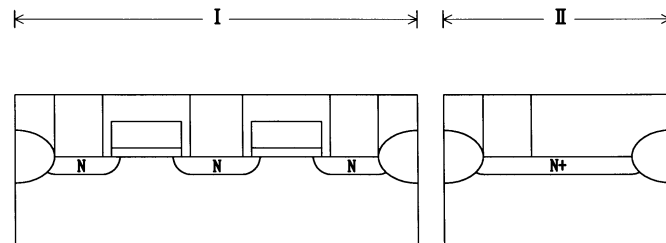
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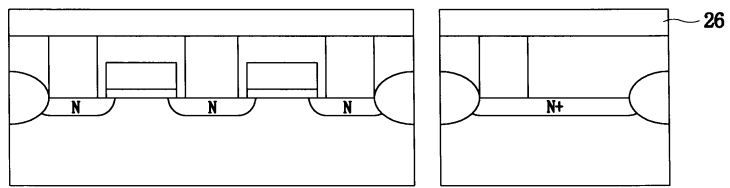
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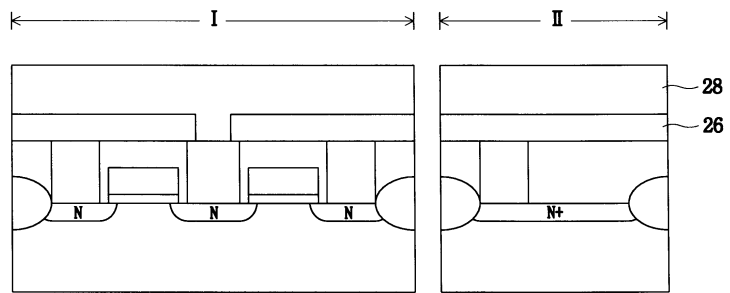
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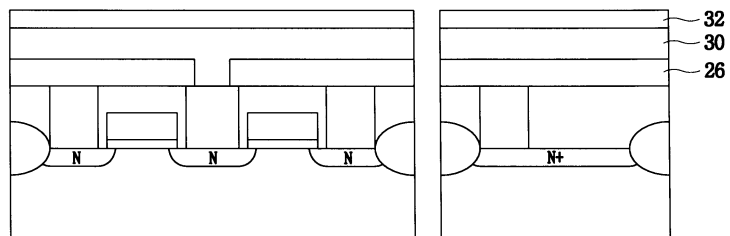
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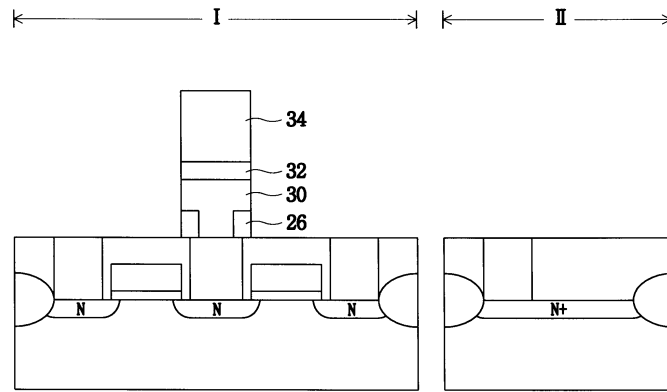


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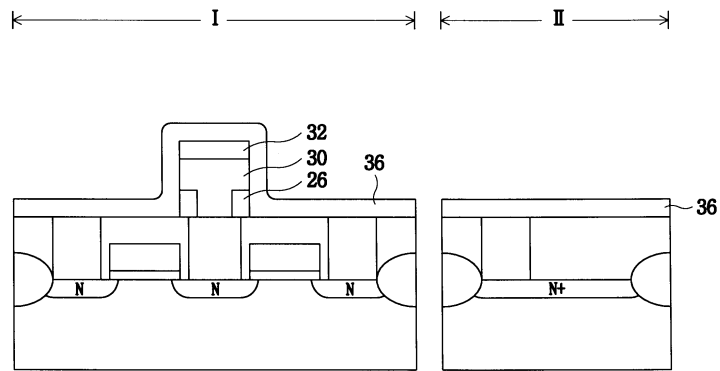




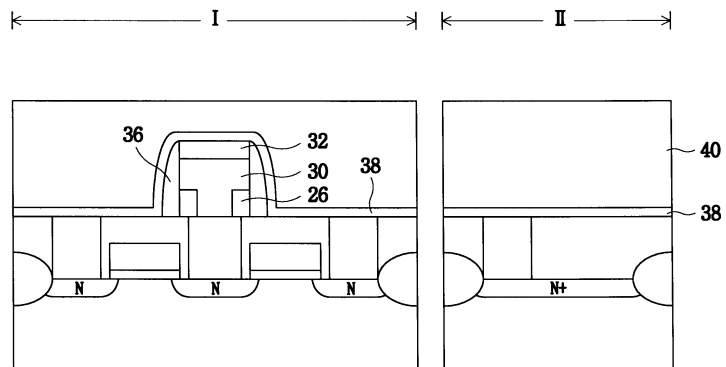
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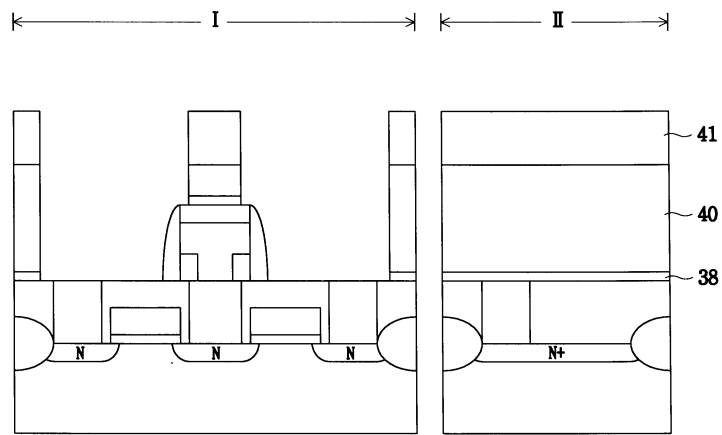
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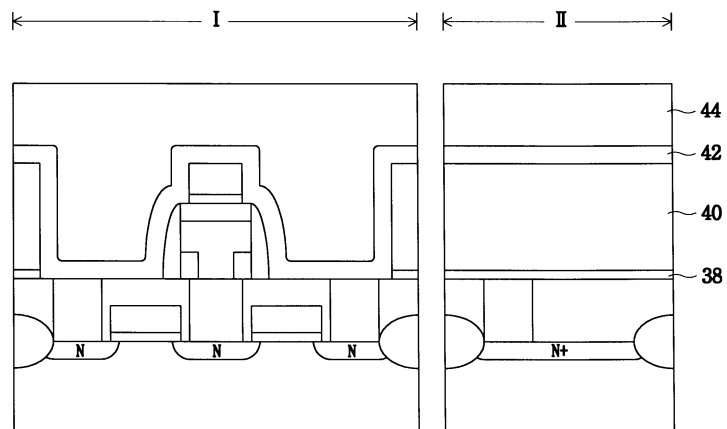
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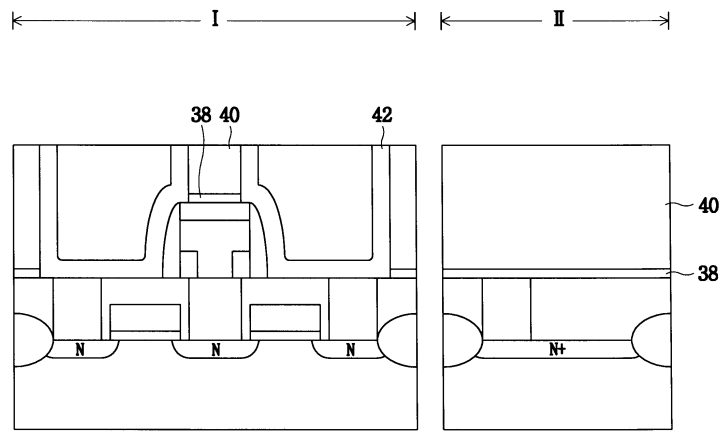
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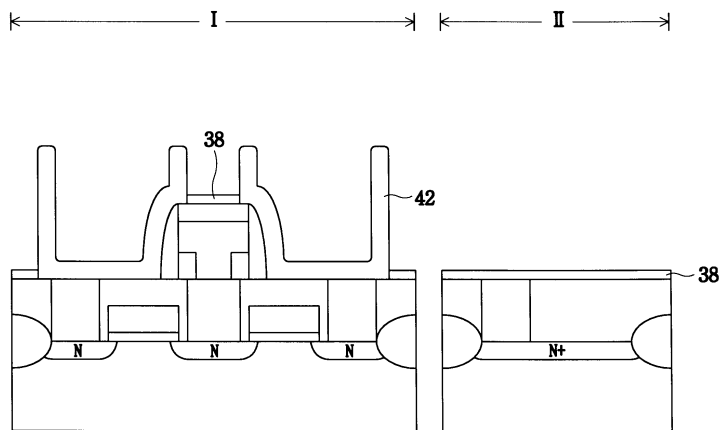
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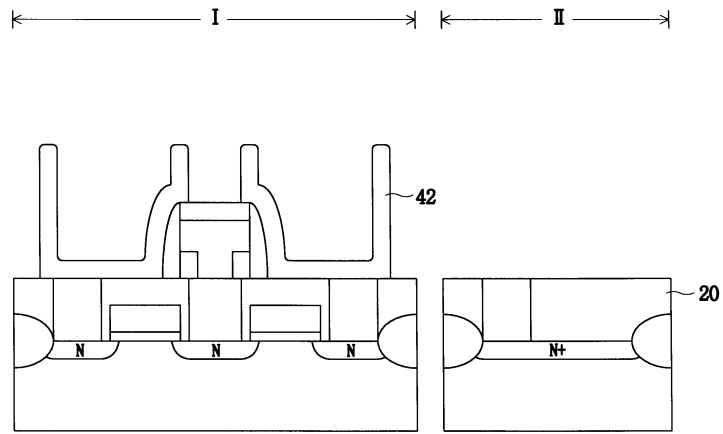
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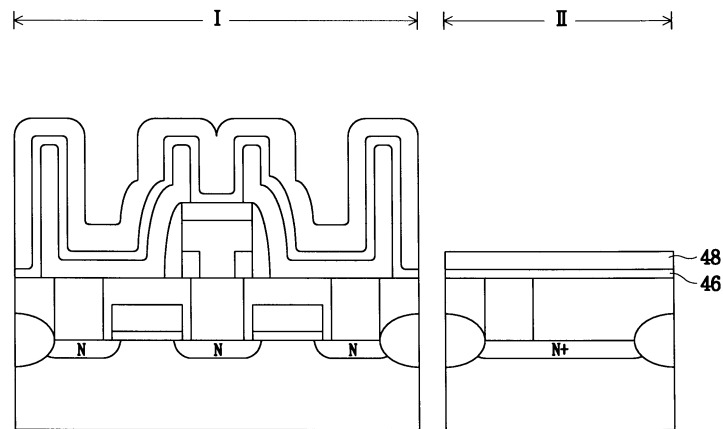
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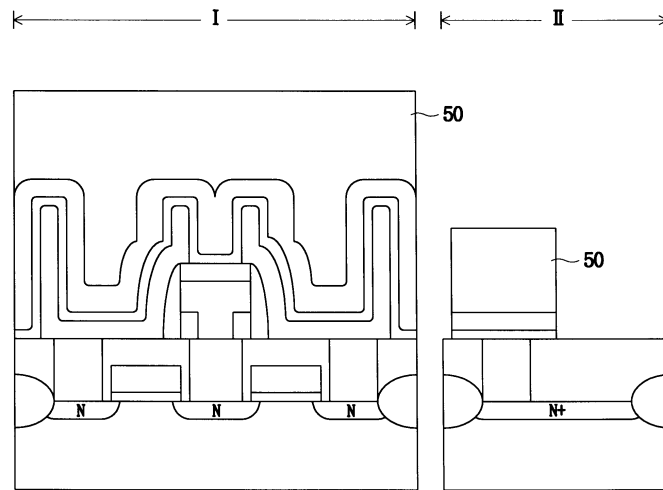
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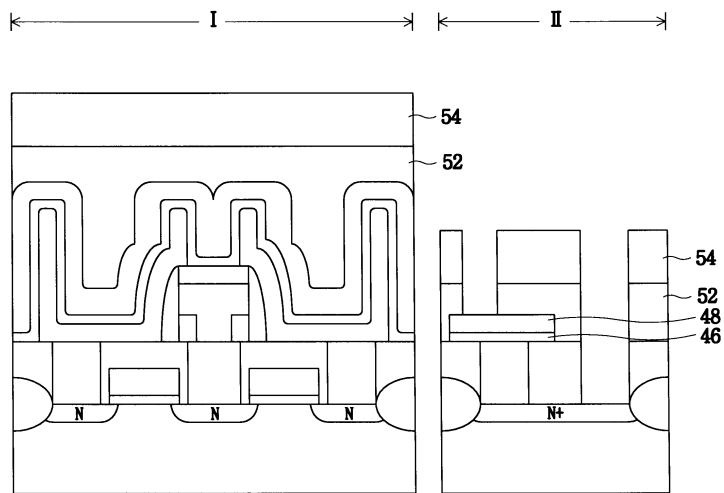
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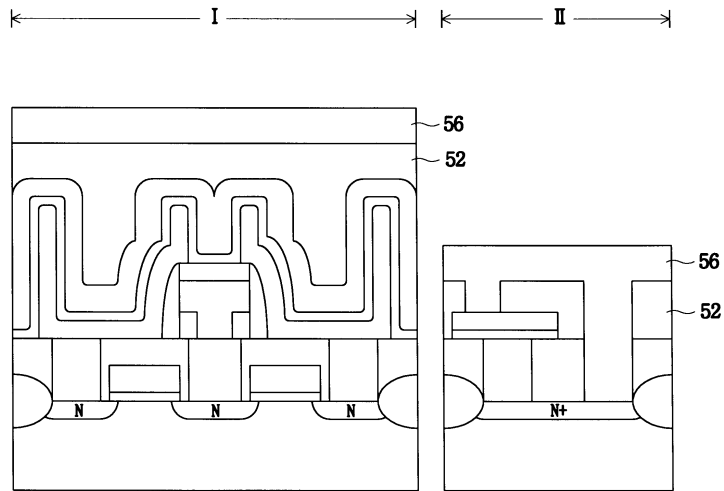
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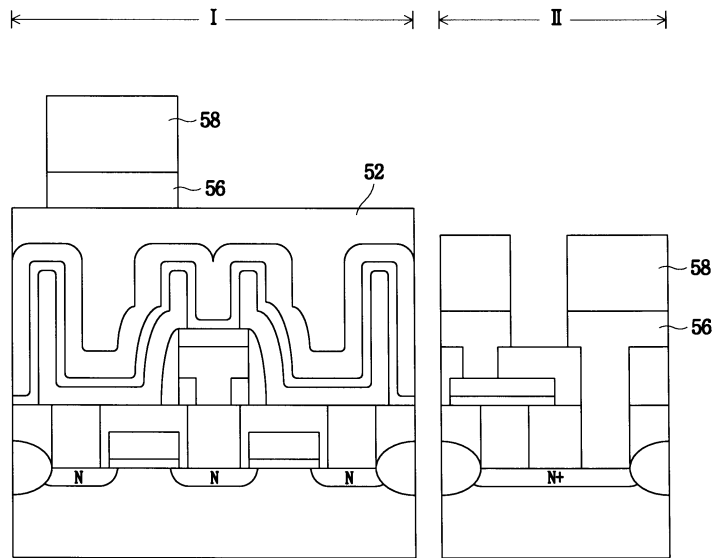
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