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- - (COB) .

가 가 가 .
가 가 가 .

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20 ... 22 ...

24 ... 26,28,30 ...

27,29,31 ... 33 ...

40 ... 44 ...

COB . 가 , . 가 , . 가 ,

1 2 " " (20) (22)

가 가) 가 ((. " "

30) (24) (22) , 가 (26,28,
 (28) (26,30) 가
 (28) 가 ,
 (22) (27,29,31)

33) (24) (26,28,30) (trench) ((26,28,
 (31) (gate)
 (34), (36), (38) (spacer)(42)가
 (40) () 가

3 (44) (24) (borop
 hosphosilicate) (BPSG)
 (46) (26,28,30)
 (dope) (48) Si₃N₄ SiO₂ (46)

4 (50) (22)

5 (48) (46) (52)
 (50) 6 (52)

7 8 (54) (52) (48)

9 10 (56) (22)
 (58,60,62) , (58,60,62) 10
 (26,28,30) (52) (W) (60)
 (52)

11 12 (60)
 (28)
 , 가 ,
 (29) (44) 가 (5
 8,62) (60)

13 14 (64) (26,28,30)
 (66,68,70)
 14 (68) (29) (46)

가
 가 (7),

60,62) (10) . BPSG (58,

가 , (44)

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가 ,

15 - 18

BPSG

(node) 가 .

15 (72) (58,60,62)

16 , (74) (22) , (72)

(68) (76) (2

7,31) (64) . (72)

17 , (78) (22) . BPSG .

18 (80,82) (78) ,

(80,82) (76) ,

4), (86), (88) . (80,82) , (8

(80,82)

가 ,

COB , BPSG

BPSG

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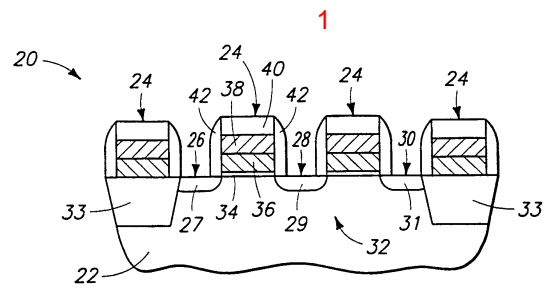
30

33.

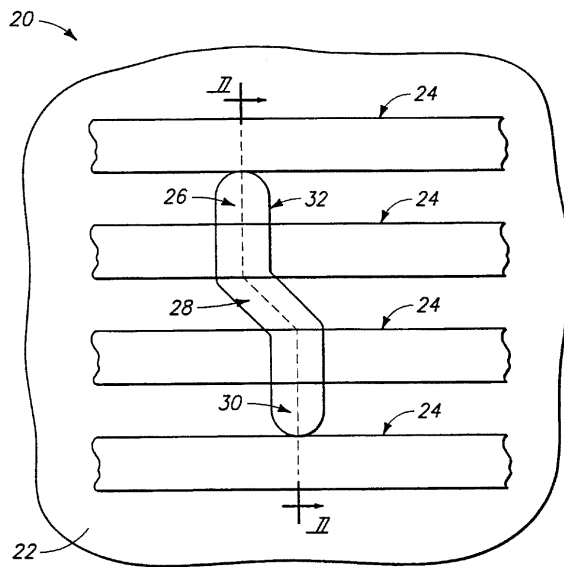
30

34.

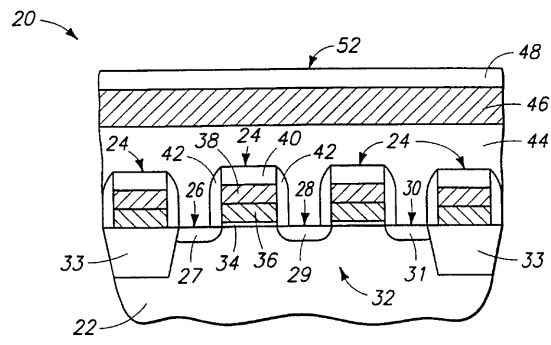
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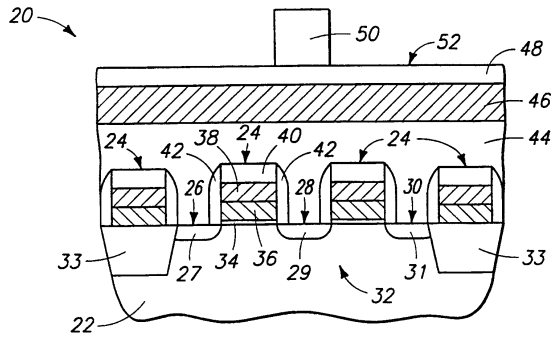
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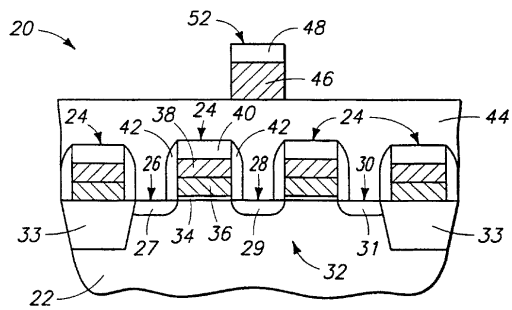
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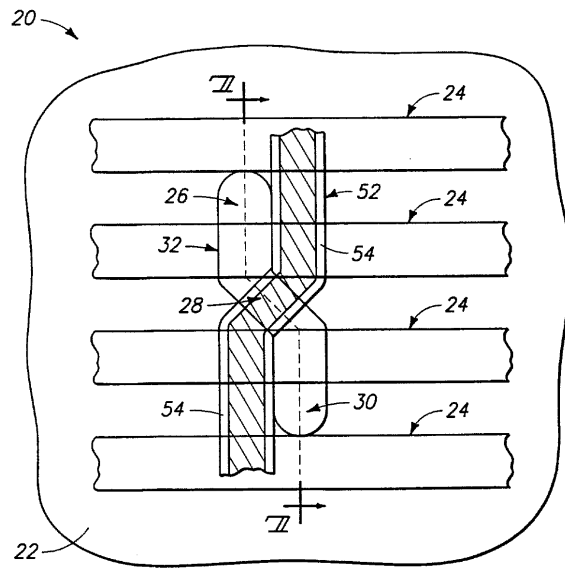
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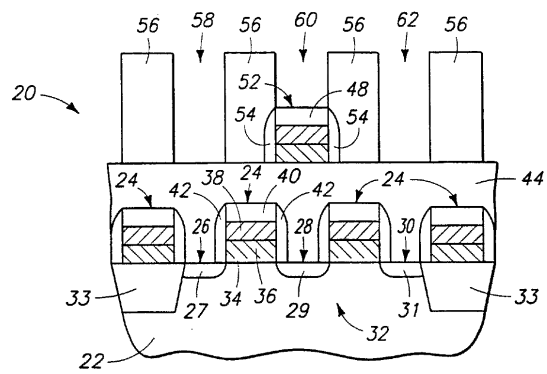
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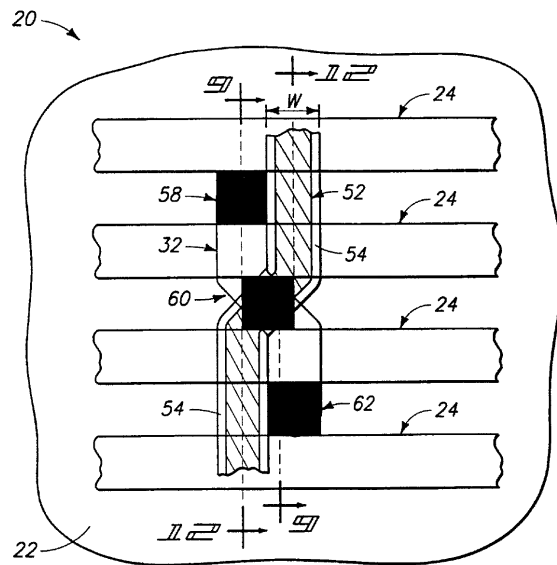
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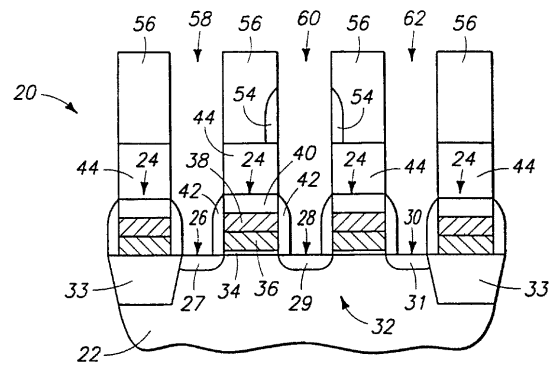
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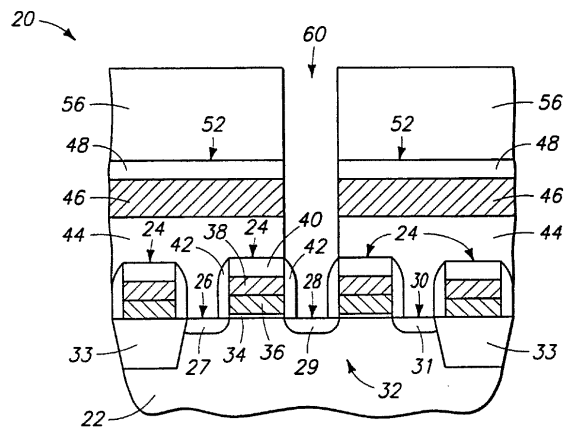
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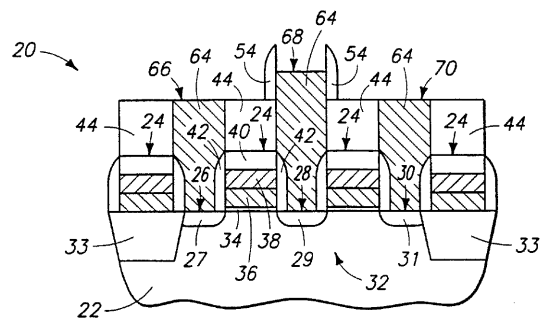
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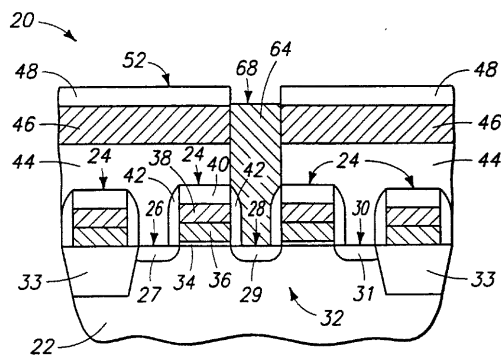
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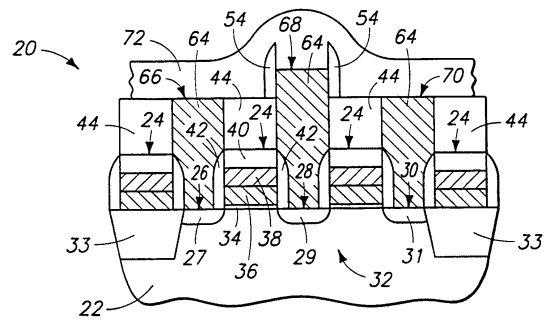
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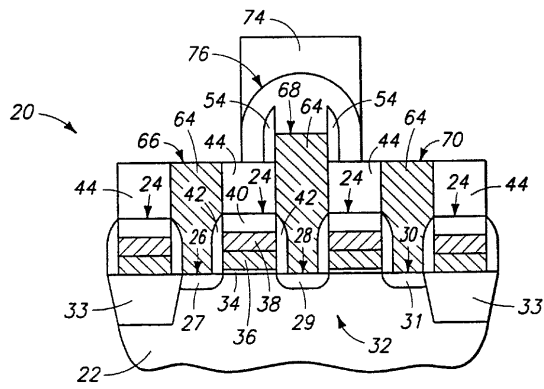
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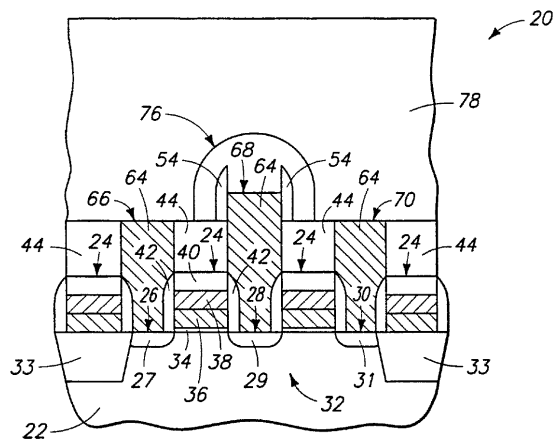
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