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(72) 12 219 206

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9

1 5

6 12

가

가

LOCOS(Local Oxidation of Silicon)

(bird' beak)

, LOCOS

가

가

1 5

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(40)

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가

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CVD

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CMP

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CMP ,
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 6 , (100) (120)
 (120) (buffer layer) (130) 100 (120)
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 7 , , (100)
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 (130) (130)
 7 8 , (140)가 (100) (120) (120)
 (131) (120) (100) (130)
 가 , 가 가 , (131) (120)
 가
 9 , (150)
 (160)가 CVD 50 100 가
 (165) (160)가 (131) (160)가
 가
 10 , (170) 가
 (170) CMP (131) (165) CVD , SOG
 가
 11 , 가 (170) CMP CMP
 (130) (171) (160)가 (130) (130) (165),
 (131) (130) (170) (171)
 (171)
 11 12 , (130) 가
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 가 (180) , 가 (131) 가

(180)

(172)

(160)

(180)

가

가

(57)

1.

CMP(Chemical Mechanical Polishing)

2.

1

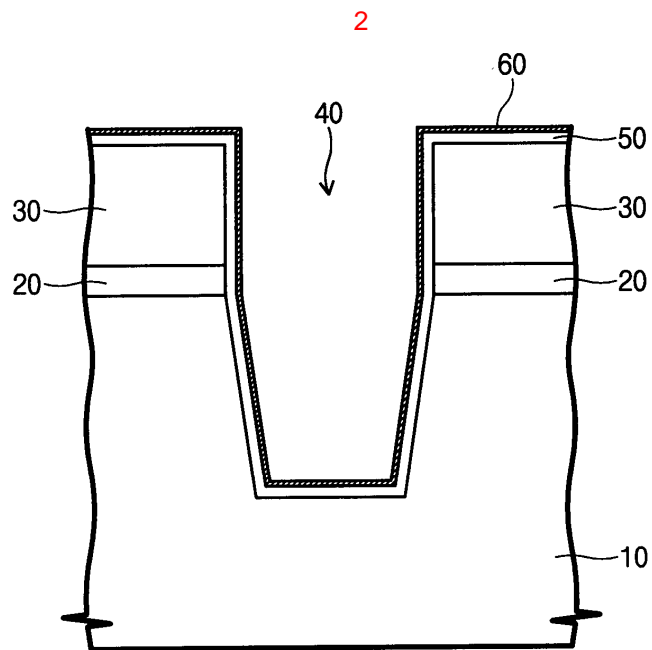
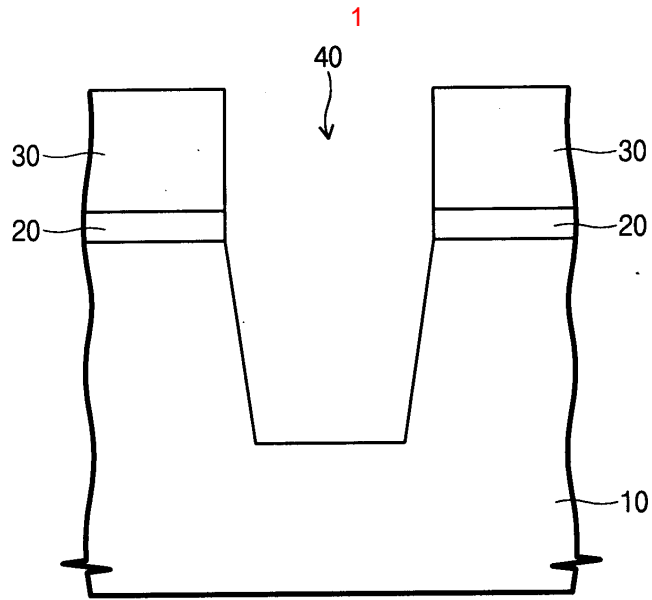
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3.

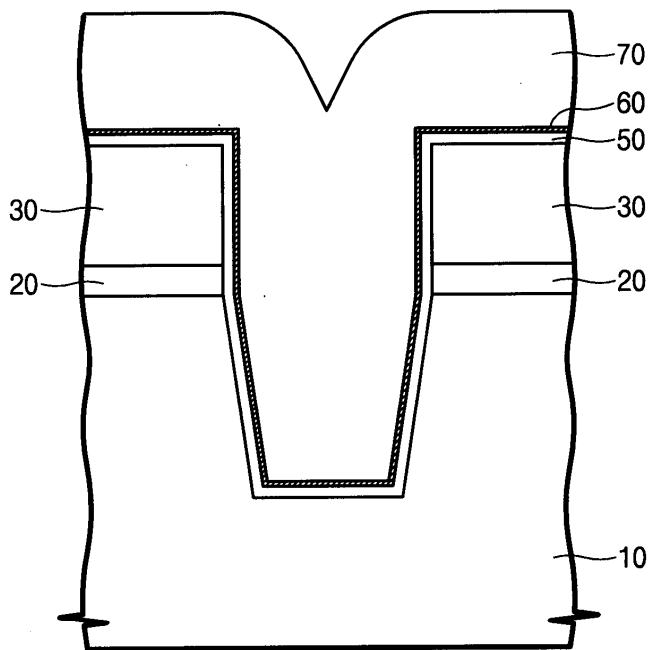
1

4.

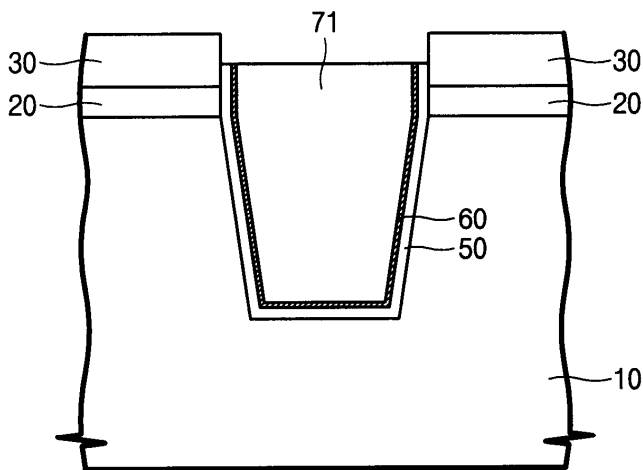
1



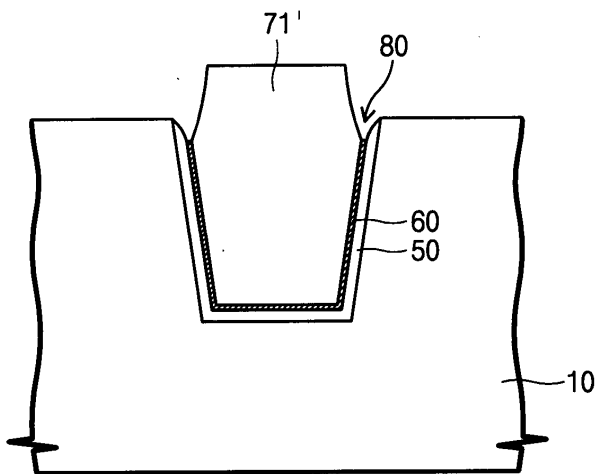
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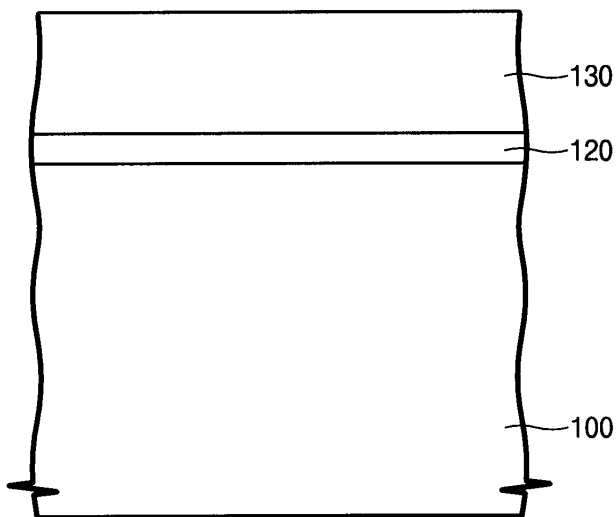
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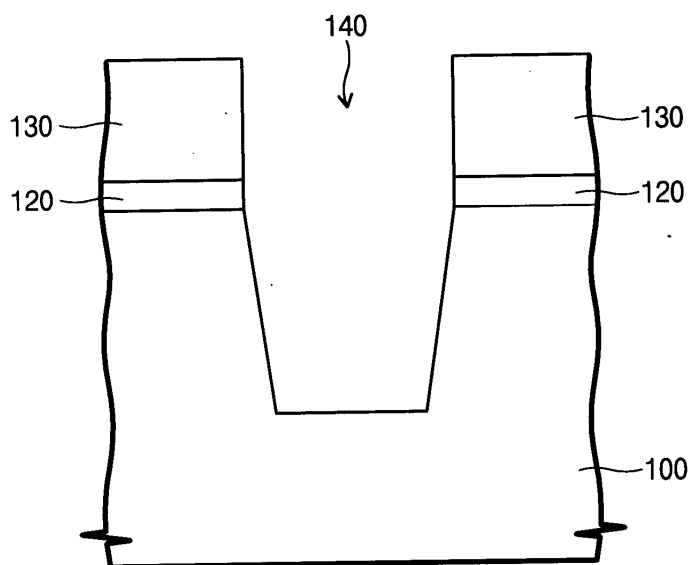
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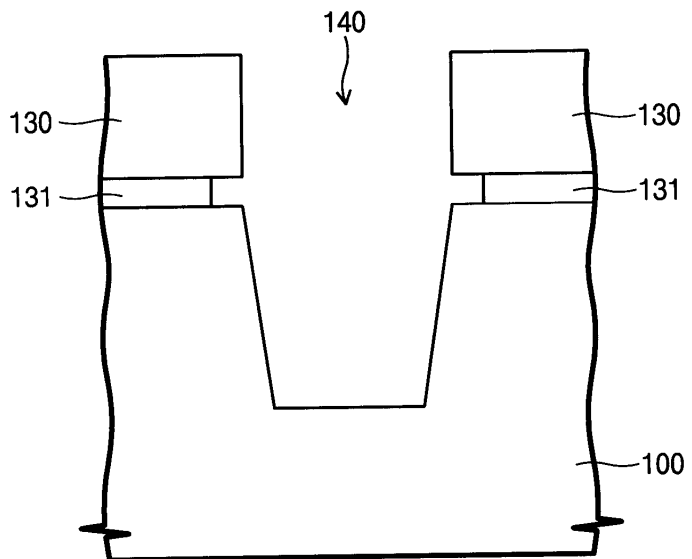
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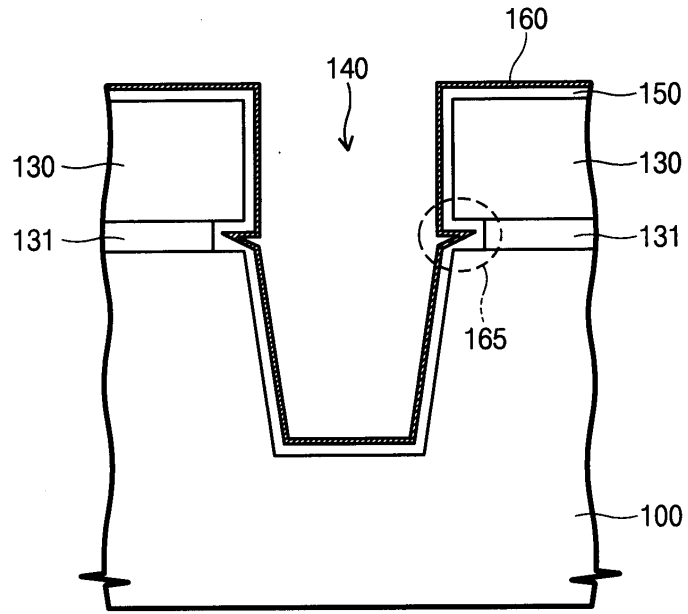
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