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2003-0050096
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(21) 10-2001-0080488
(22) 2001 12 18

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(54)

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9

1 5

6 12

가

가

LOCOS(Local Oxidation of Silicon)

(bird' beak)

, LOCOS

가

가

1 5

(10)

(20)

(30)

(30)

(10)

1

(40)

(40)

(50)

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2

가

(10)

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CVD

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CMP

3

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CVD

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가

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(71')

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가

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가 , 가 ,

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가

가

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가

CMP ,
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 가 가 , , 가
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 6 , (100) (120)
 (120) (buffer layer) 100
 (120) (130) (130) (100)
 , CMP
 (130) (130) 1000
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 7 , , (100)
 (140) , ,
 (130) () ,
 (130) (120) (140)
 , (130)
 7 8 , (140)가 (100) (120)
 (131) (120) (100) (130)
 가 , 가 가 , (131)
 (120)
 9 , (150)
 (160)가 CVD 50 100 가
 (165) (160)가 (131) (160)가
 가
 10 , (170) 가
 (170) CMP (131) (165)
 , CVD , SOG
 11 , 가 (170) CMP CMP
 (130) (171) (160)가 (130)
 (131) (130) (170) (130)
 , (171)
 11 12 , (130) 가
 , 가 (160)
 가 (180) , 가 (131) 가 (160)

(180)

(172)

(160)

(180)

가

가

(57)

1.

CMP(Chemical Mechanical Polishing)

2.

1

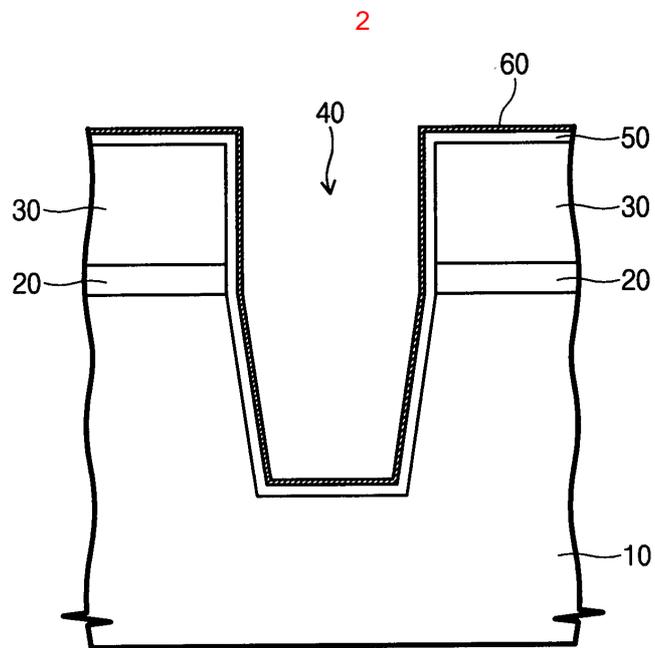
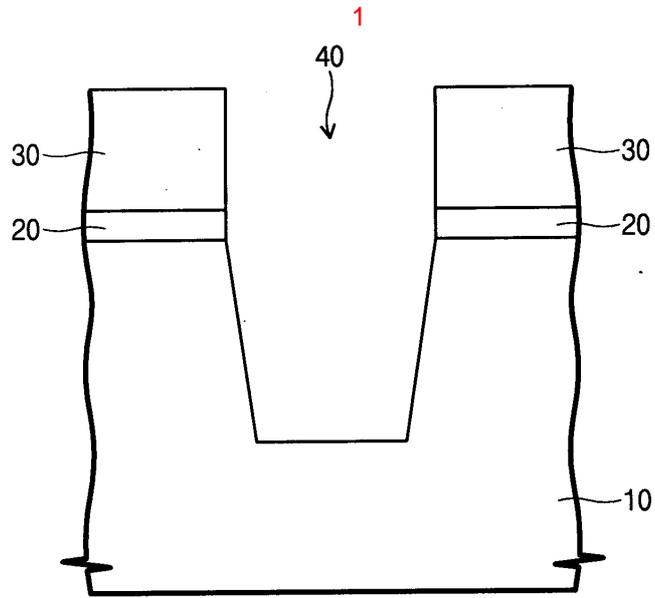
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3.

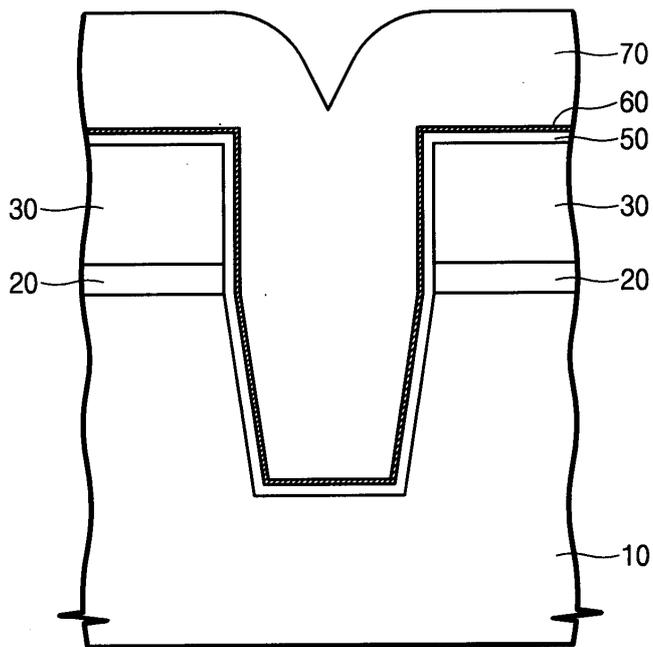
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4.

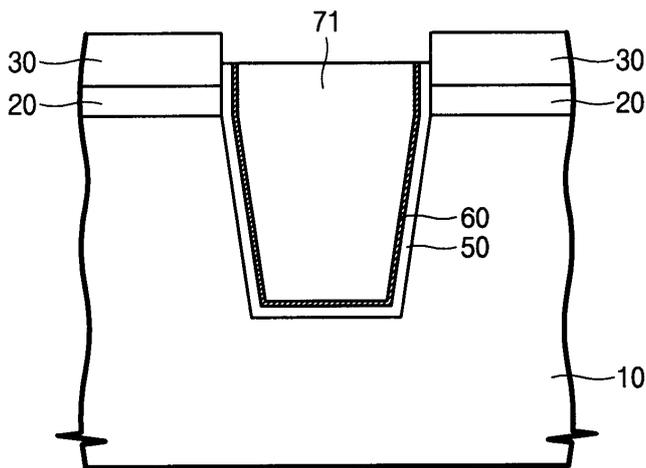
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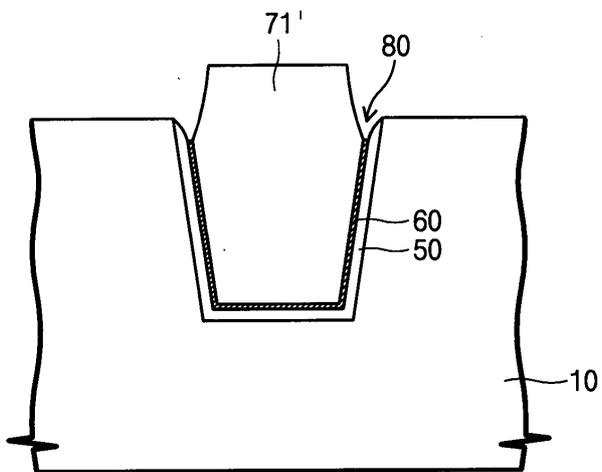
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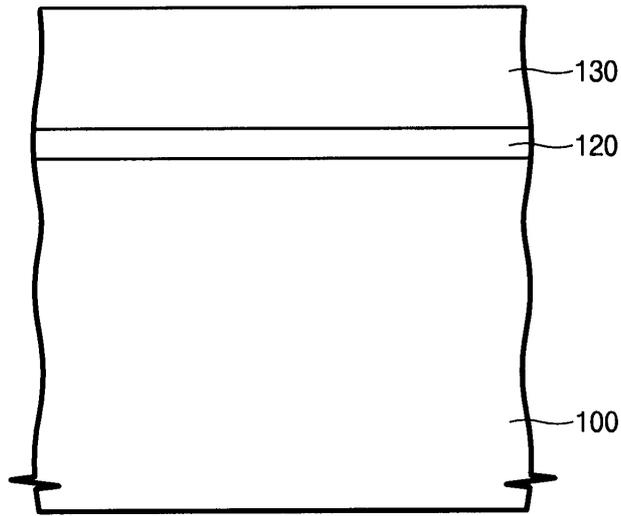
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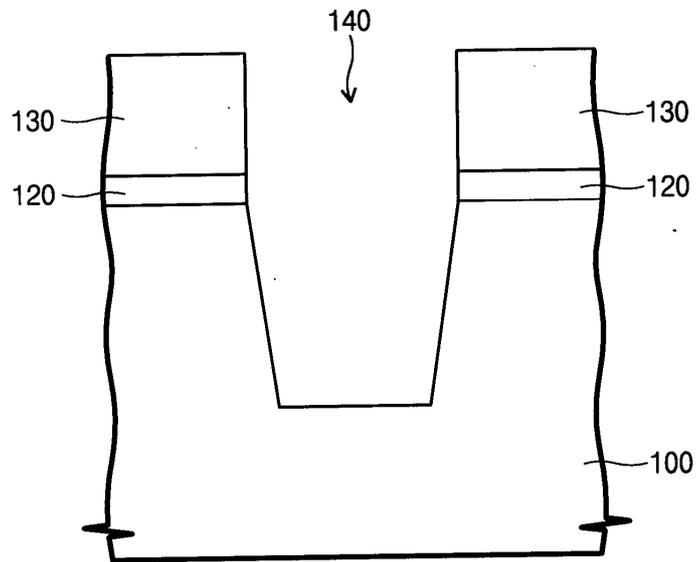
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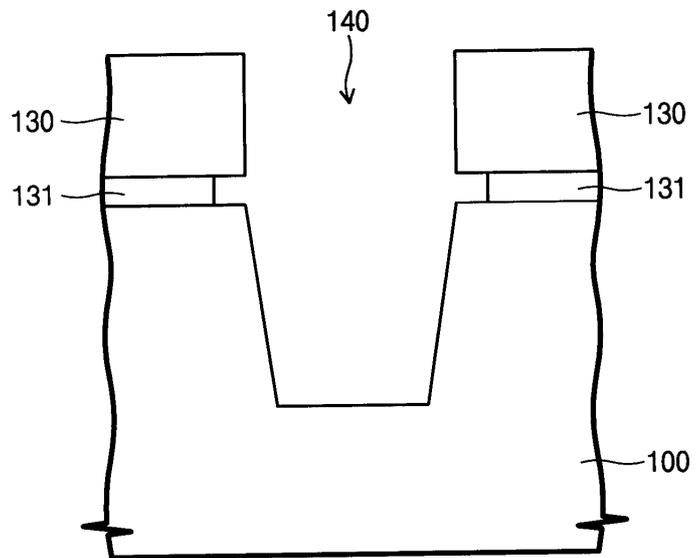
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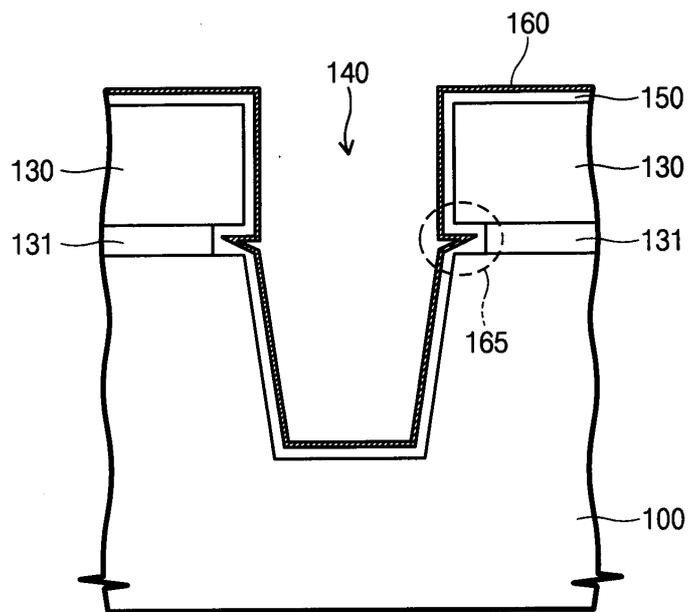
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