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(12) (A)

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(86) PCT/US2002/040213 (87) WO 2003/083934  
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(30) 10/109,096 2002 03 28 (US)

(71) ,  
94088-3453 68

(72) 78748 12232

78738 13710

78748 #125 9323

(74)

1

(54) -

1

埋藏酸化層 (multiple-thickness buried oxide layer)

(bulk substrate),

, 1 , 2 - . 2 1

1 , , ,  
2 , , , 가

2 (CMP) 2

가

1 ;  
2A 2D ;  
3A 3F ;  
4A 4C ;

가 . 가

가,

가

가

가

가

가





(57)

1.

(12);

(12)

(20);

(20)

(21)

(20)

(21)

2.

1 ,

3.

1 ,

4.

1 ,

5.

1 , 1 (20B) - 가 (20) 2 (20A) 2 (20A) 가 , 1 1 (20B)  
 2 (20A) 1 (20B)

6.

1 ,

(20)

(23)

,

(23)

(20)

7.

1 (20) , 2 (20A) 가 , 1 (16) (20B) 가 , 1 (20B) - 가 ,  
 2 (20A) 1 (20B) 1 (16) (20B) 1 (20B) 2 (20A) 1 (20B) ,  
 1 (20B) 2 (20A) ,

8.

1 (20) , 2 (20A) 가 , 1 (16) (20B) 가 , 1 (20B) - 가 ,  
 2 (20A) 1 (20B) 1 (16) (20B) 1 (20B) 2 (20A) 1 (20B) ,  
 1 (20B) 2 (20A) ,

9.

,

(40)

1

(42)

;

1

(42)

(40)

(44)

;

(44)	(40)	2	(46)	;
(40)			(40)	(20)
<b>10.</b>				
9 cm <sup>-2</sup>	,	1	(42) 10-40keV	10 <sup>17</sup> -10 <sup>18</sup> ions/cm <sup>-2</sup>
<b>11.</b>		2	(46) 30-150keV	10 <sup>17</sup> -10 <sup>18</sup> ions
9 cm <sup>-2</sup>	,			
<b>12.</b>		,		
(40)	(44)			;
(44)		1	(46)	;
(44)		;		
(44)	(40)	2	(42)	;
(40)	†		(40)	- (20)
<b>13.</b>				
12	,			
2		(42) 10-40keV	10 <sup>17</sup> -10 <sup>18</sup> ions/cm <sup>-2</sup>	
<b>14.</b>				
12	,			
1		(46) 10-40keV	10 <sup>17</sup> -10 <sup>18</sup> ions/cm <sup>-2</sup>	
<b>15.</b>				
		,		
1	(50)	(silicon dioxide) (52)	;	
	(52)	(54)	;	
	(54)		(55)	;
	(55)			
	;			
2	(58)	(55)	;	

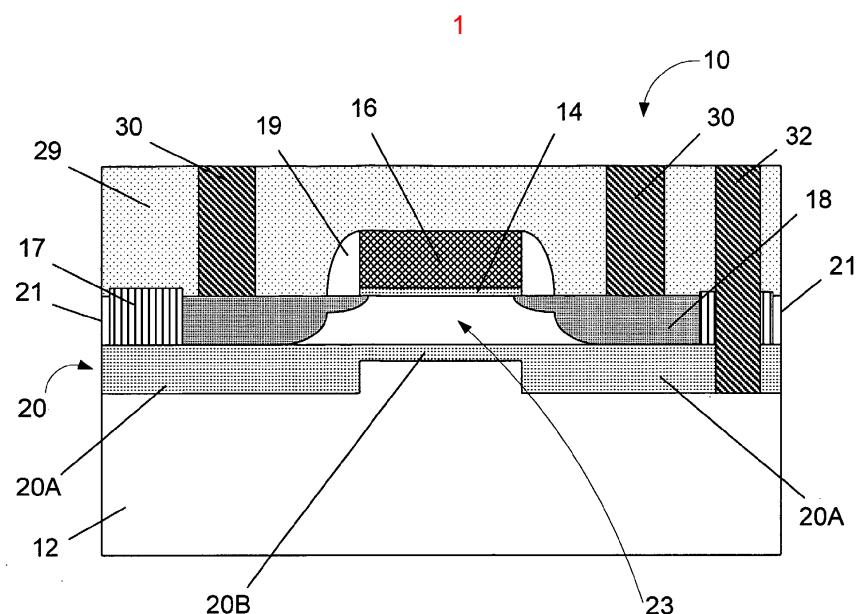
2 (58)

16.

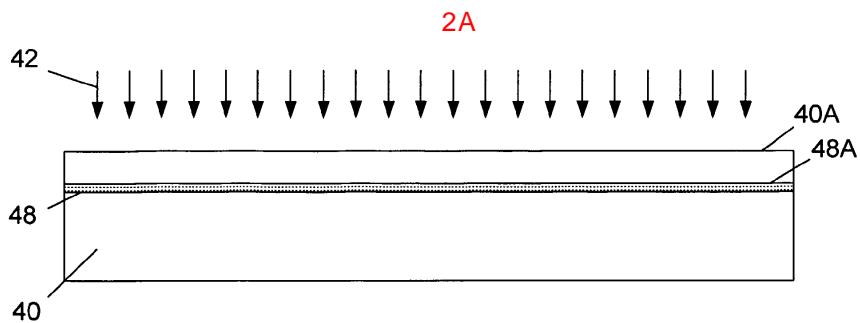
15

(54) (55) (55) (50) (55)  
 (54) (50) 10 - 50nm

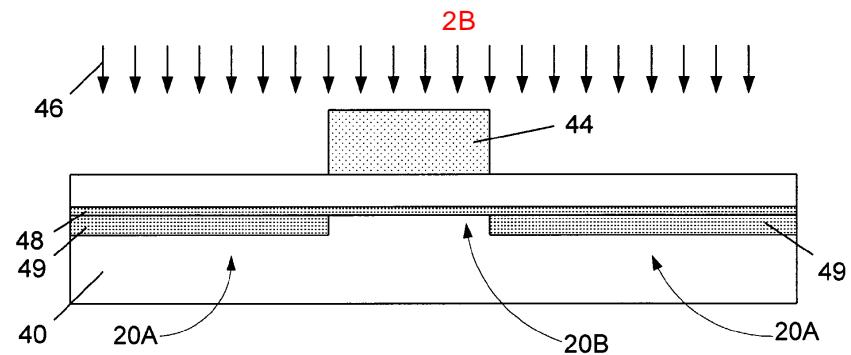
(55)



1



2A



2B

