

(19) (KR)
(12) (B1)

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 (24) 2002 04 11

(21) 10 - 1998 - 0044696 (65) 1999 - 0076525
(22) 1998 10 24 (43) 1999 10 15

(30)	59620	1998 03 11	(JP)
(73)	가 가 가	가	4 1 - 1
(72)	가 가 가	가	4 - 1 - 1 가 가
(74)			

(54)

N , PN 가 . PN , 가 .

1

2 1

가

3

4 3

5

6

7 6 가

10 : P

12 :

14 : N

16 :

20 :

30 : N

32 : N

34

40

160 167 :

가

가

가

가

(eddy current) 가

가

2

2

7 - 183468

PN

PN

PN

7 - 235640

가

LC

6
(14)

PN

P

(10)

N

(12)

6

(16)

PN

(10)

(10)

가

1

		(10)					
1			2			,	(空乏化)
	가		
,	가		(10)				(14)
,	가		.	.	.	PN	
.	가		(10)	.	.	가	,
N	가		.	.	.	PN	P
.	.		,	.	.	,	가

7 가
· 가
 (C)

N
(L)

(10) 가
(14) (rn)

(Rs)

(16)

가 1

가 2

$$\begin{array}{ccccccccc} 6 & & (16) & & (22) & & , & & (16) \\ (20) \text{가} & . & & & (16) & & , & & , \\ & & (16) & & & & , & & \end{array}$$

가 . , 가

[]

가

1
4) , PN . P (10) N (1)
(30) (30) (14) , (10) N (32)

(10) N (14) PN 가
V PN .

$$2 \quad 1 \quad . \quad , \quad N \quad (14) \quad (30) \quad (14N) \quad (30N) \quad . \quad , \quad N \quad (14)$$

(57)

1.

PN ,

PN

,

PN

가

1

가

1

PN

,

1

가 가

2.

1

가

,

1

가

2

2

3.

,

,

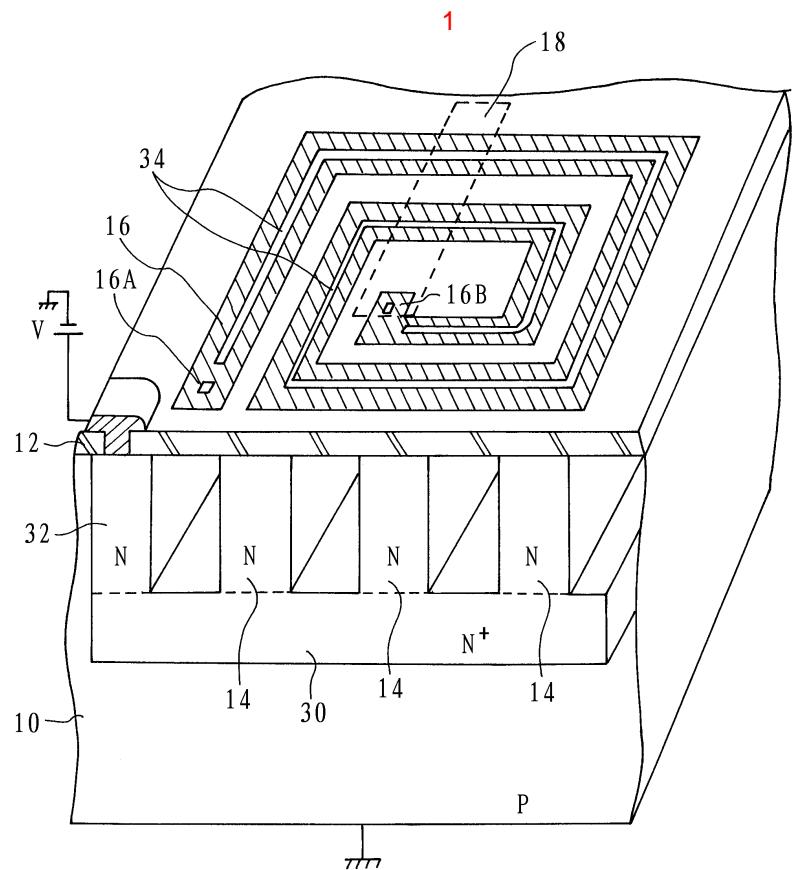
가

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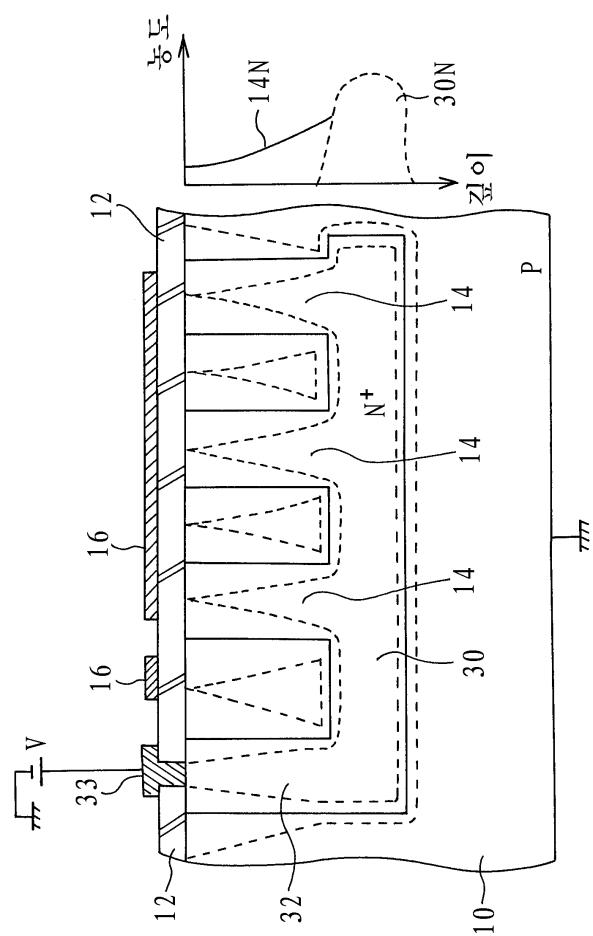
4.

3

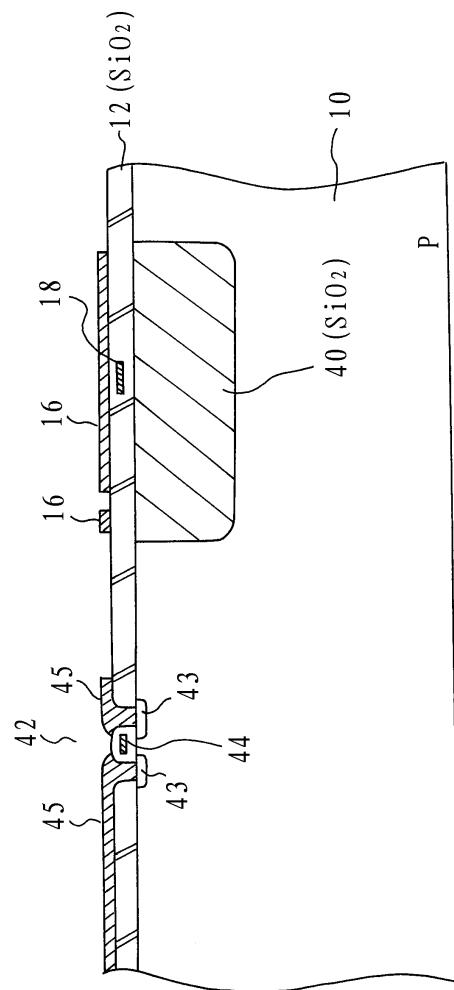
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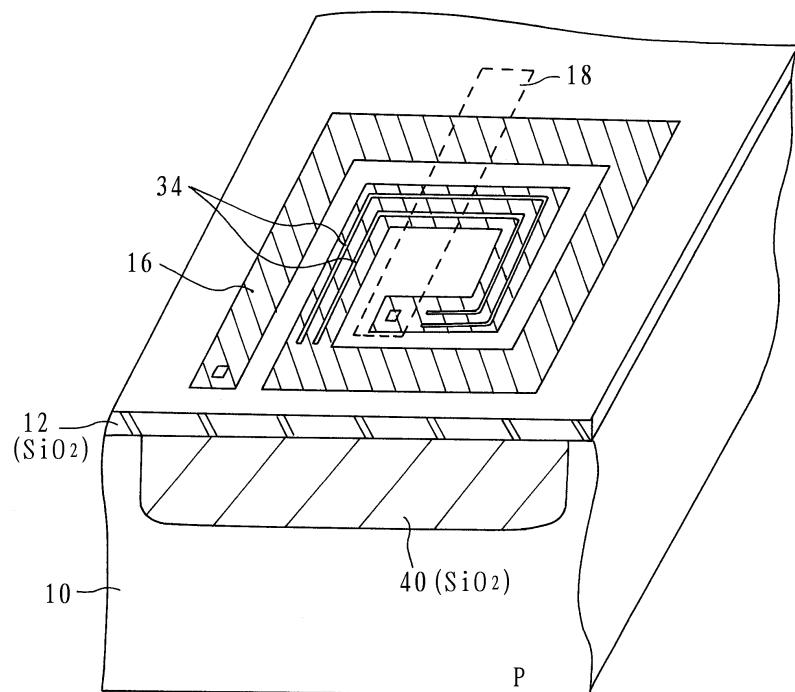
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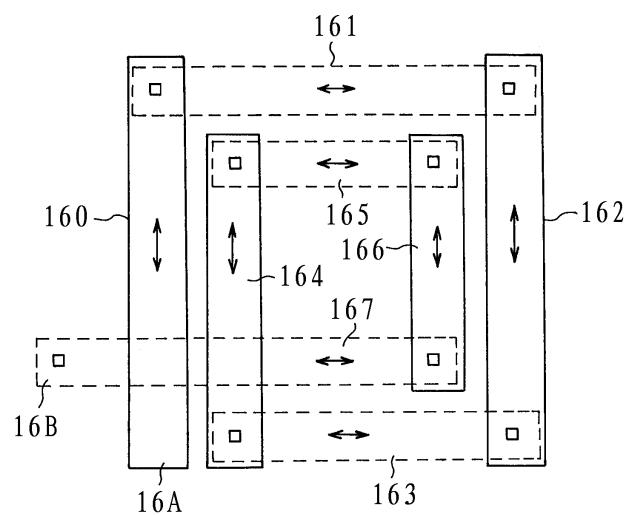
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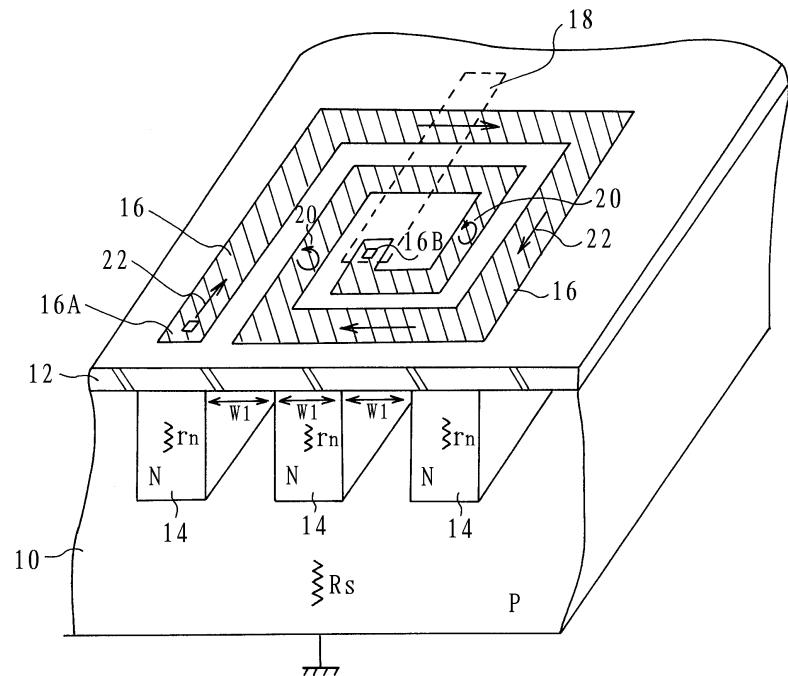
4



5



6



7

