

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.⁷
H01F 27/245

(45)
(11)
(24)

2005 01 24
10-0466884
2005 01 10

(21) 10-2002-0059899
(22) 2002 10 01

(65)
(43)

10-2004-0029592
2004 04 08

(73) 175-3

(72) 2 30-9 102 809

558-9201

1 78-29

(74)
:

(54)

가 가 ,

가 2 ;

4b

1a
1b 1a

2a
 2b 2a
 2c 2a
 2d 2a
 2e
 3a
 3b
 3c
 3d
 3e
 3f
 4a
 4b 4a
 4c
 5a
 5b

 21: 22:
 24: 25:
 26: 28:

ke coils) (transformers) (common mode cho
 2 가 . 1, 2 가
 1a (磁路) 1b 1a
 1a (1) 1 (3) (7) (7)
 2 (10) (8) 1 (3), (7), (8)
 2 (11)
 1b (7) (sputtering)
 (polyimide resin) (epoxy resin) (non-magnetic)
 (6a) 1 3 (leading) (12a, 12b) (6a)
 (12c) (6b) (12a, 12b) (6c) (4) (12c)
 (4) (5) (6b) (12d) (6c) (4) (12a)
 (12a) (6b) (11a) (4) (12a) (1
 2c) (11c) (5) (6c) (13c) (6b)
 (13b) (12b) (12b) (11b)
 (5) (12d) (11d)
 (4, 5) (11)
 (evaporation) 1, 2 가
 μm 가
 1a 1b (4) (5) (6c) 가

가

가

가

2

;

;

가

$B_2O_3 - SiO_2$, $Al_2O_3 - SiO_2$, Ni, Ni-Zn, Ni-Zn-Cu 가

가

2a

2d

2a
(24)가

(22)

(21)

(28)

2b

(magnetic path)

2a

(25)

(29)

(26)

(26)

(25)

2c

(28)

가

(28)

(28)

(26)

(27)

(28')

가

2d

2a

(26)

(25)

(28)

2e

(20)

가

가

(21)

(28)

(26)

가

3a

3f

3a

(carrier film)(32)

(31)

(Slurry)

(Doctor Blade Tape Casting)

PET

가

(32)

3b

(33a, 33b)

(34)

가

가

3b

3c

(Laser Punching)

(33a, 33b, 34)

(Mechanical Punching)

(35)

3d

(36)

(1

2

)

(36')

(Screen Printing)

(35a, 3

5b)

3d

(35b)

(35a)

(Pick-up)

(Stacki

ng)

가

3e

3f

(38a)

(38b)

3f

3e

(39)

가

4a

. A , B , C

(42)

(B)

(43)

(44)

(45)

3a

3b

3e

3f

(38a, 38b)

(39)

4

4b

(45)

(46)

가

(47a

47c)

(48a

48b)

(47b

47d)

(49)

49)

가

4c

(Magnetic Path
Roller)

(Dipping)

가

5a

5b

(54)

5a

(51)

1

(53) 2

1

55

1

2

2

, 56

가

1

(53) 2

(54)

(52)

1

2

가

1

[1]

	(%)
/	98.82
	85.89
	96.02

5a

가

(57)

1.

가 2 ;

- (a) 가 ,
- (b) ;

2.

1 , ,

3.

2 , ,

4.

1 , , 가

5.

1 , 가 가

6.

1 , $B_2O_3 - SiO_2$, $Al_2O_3 - SiO_2$

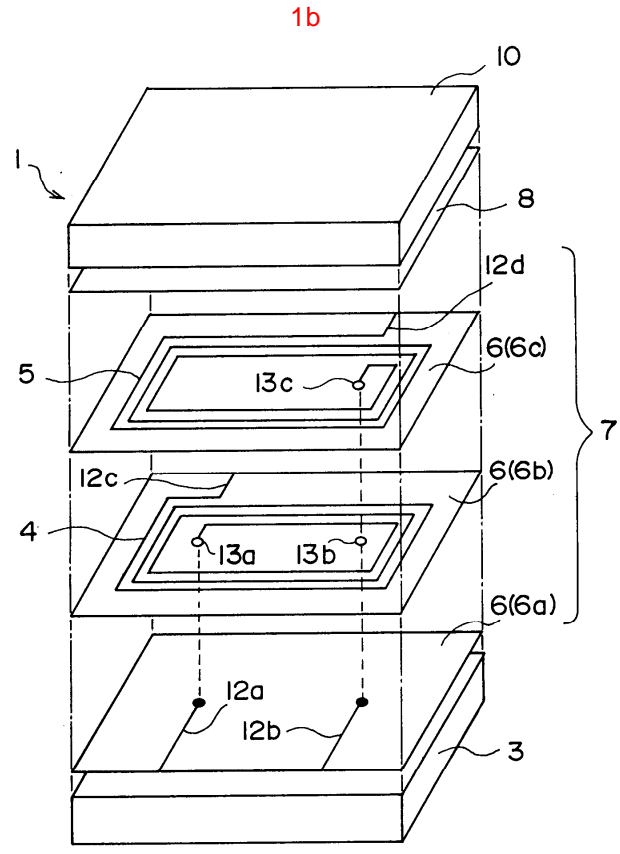
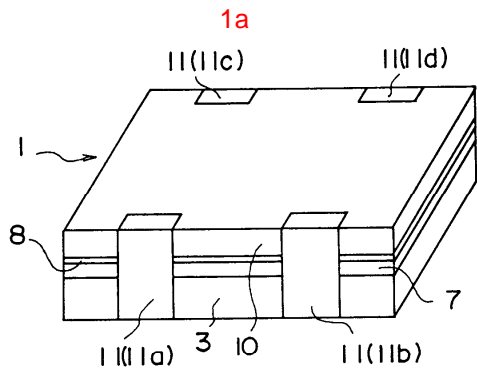
7.

1 , , Ni , Ni-Zn , Ni-Zn-Cu

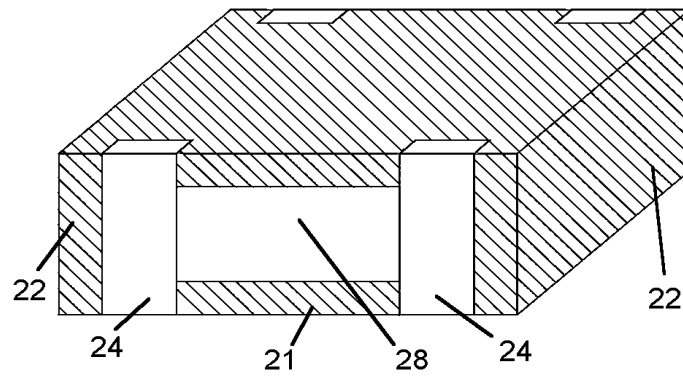
8.

;
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;
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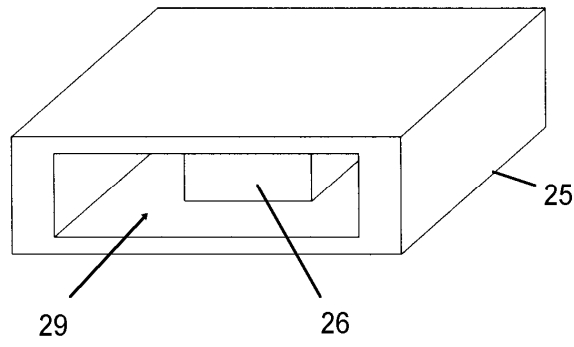
- 9.
- 8
- 10.
- 8
- 11.
- 8
- 12.
- 8



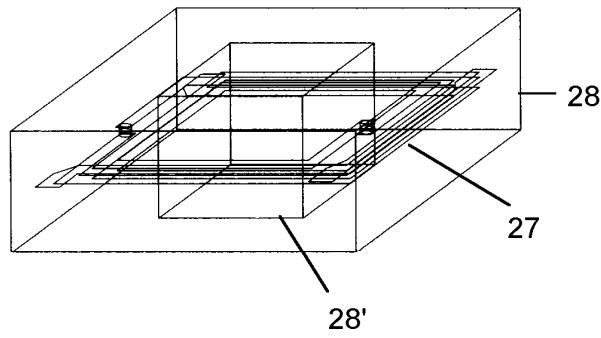
2a



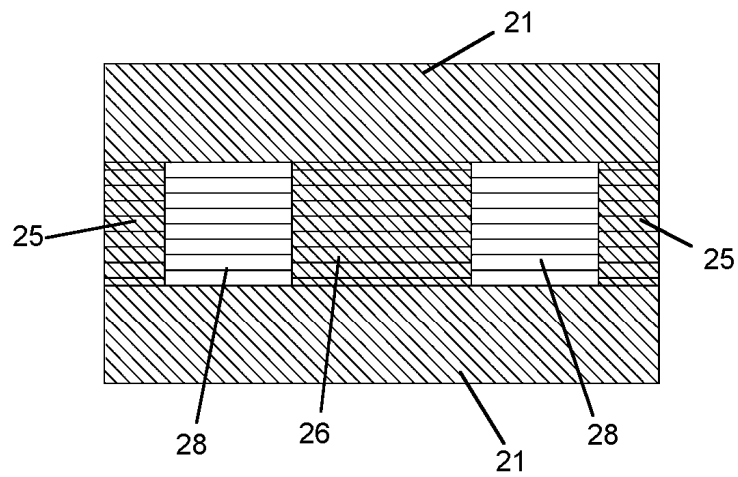
2b



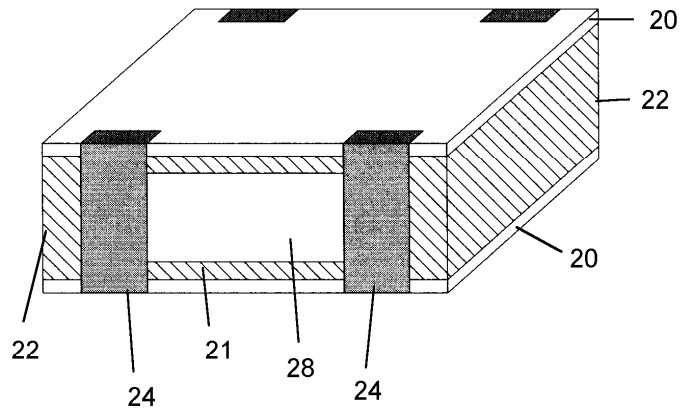
2c



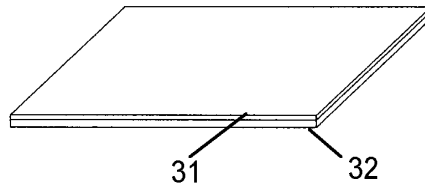
2d



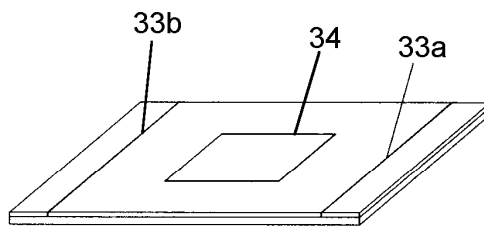
2e



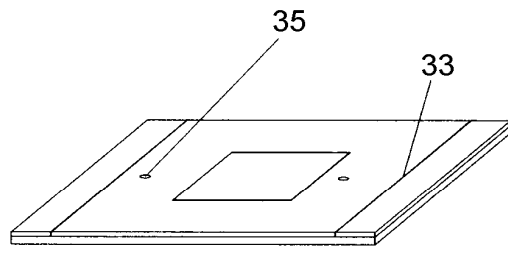
3a



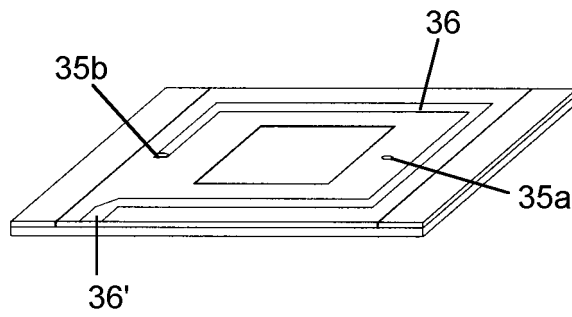
3b



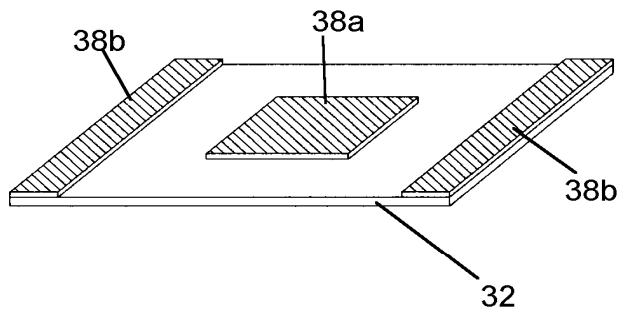
3c



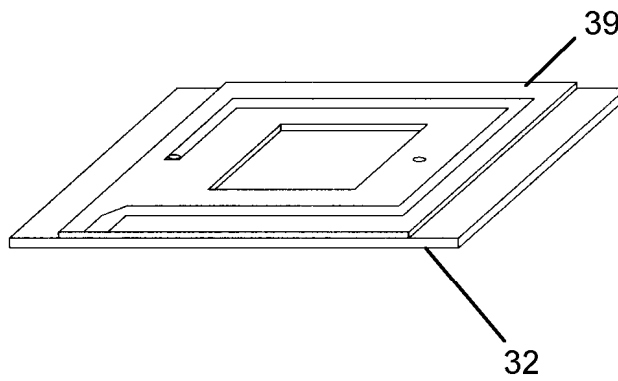
3d

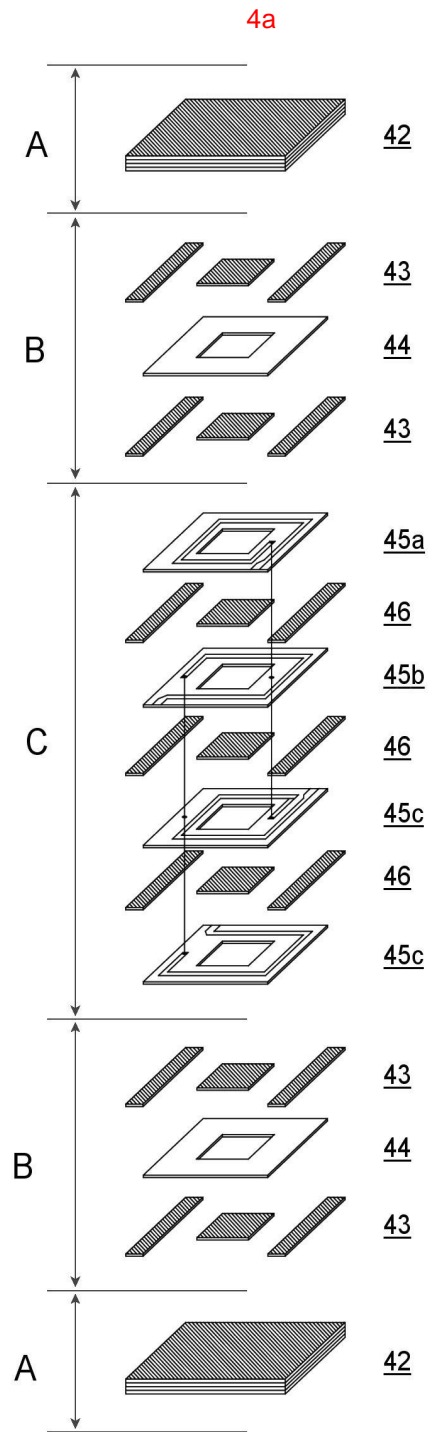


3e

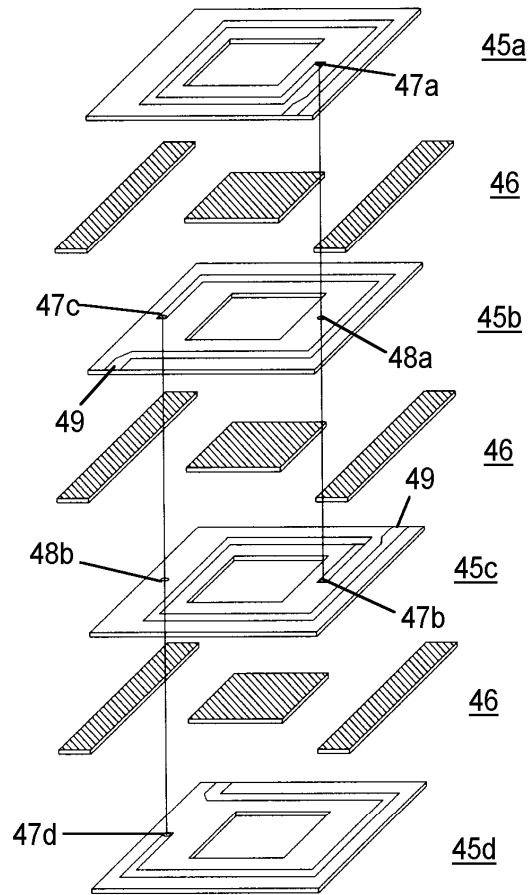


3f





4b



4c

