

(74)

:

(54)

115) (115) , (501), (103 - 109), ()
 (100) . (103 - 109) 1 (117)
 1005) (115) (201), (201) (805, 905,
 (202 - 210) , (201) (117)
 (501) , 가 (117) (202 - 210)

6

(infrastructure) ,

(helical antenna)

PDA (Personal digital assistants)
Personal Computer Memory Card International Association)

PDA

PCM CIA (Pe

PDA
PDA , PCMCIA 가
PDA 가 PCMCIA 가 PCMCIA PCMCIA
가 (E) 가 (H) 가 , 가 PCMCIA
PCMCIA PDA ,
(, 가). , , ,
(RF) 가
" Radio Frequency(RF) Field Streng
RF 5,050,236 . RF 가
가 RF 가 ,
, RF 가
PDA 가 ,
RF ,
/

- 1
- 2
- 3
- 4
- 5
- 6
- 7 5 6
- 8 가
- 9 가

10

가

11

12

13, 14, 15, 16

가

가 /

가

가

(

, PCMCIA

)

1

16

1

(100)

(100)

(115)

(117)

(101),

(103),

(105),

(106),

(107)

(

),

(109)

(half - duplex)

(full - duplex)

(100)

(100)

(111)

(113)

PCMCIA

, PDA,

),

(

(103)

(100)

(

,

)

05)

/

(113)

(FM)

(103)

(1

(100)가

(110) ,

(101)

(105) / ()
 106) (105) (ROM), (RAM),
 ROM(PROM), / 가 (EEPROM) (106)
 (105) (100)
 (100) ROM PROM (100)
 (105) RAM (100) EEPROM

(105) 가 ()
 (100) 가
 (109) 가

(109) 가 (103) 가
 (105) (107) (107)
 가 (LCD) 가
 (106) () (105) 가
 (100) (107)

1) (100) (117) (115) (100) (10
 PCMCIA (117) ()
 (117) (117) (117)

(115) 1 (100)
 (100) 5 6 (501) (501)
 (115)

5 160mm² (501) (505) PCMCIA (117) 1GHZ (

(G) (e) / (receptor/radiator)가 (117) (100)

(117)) 가 (D) (117) (115) (radial distance) .

(115) , , ,

(117) 가 (117) (115) (115)가 (115)

(115) (Q) (117) (100) (115) , (11

5) . (115) (117) 가 700MHz 100MHz (117)

(115) 1050MHz가 (115)가

700MHz 1000MHz 가 , (117) (, 850MHz 35%

) (115) (117) Q (1

17) Q (117)가 PCMCIA

2 4 (117) (115)

가 (115) (2

2 , (115) . 2 (202) (212)

02, 204, 206, 208, 210) (210)

(202) (210) (115) 가 ,

(202) (210) (202, 204, 206, 2

08, 210) (201) (202, 204, 206, 20

8, 210) (201) , (15)

2 (115) (117) (202) (210) (100)가 /

2

5) (117) 가 . (117)
 (115)가 5 , (115) (117) (1
 17) . (115) (117)

(115)가 (115)가 (501) , (501)
 (117) (115)가 (115)

6 (115) (600)
 , 5 (115) PCMCIM 가 (600)
 (507) (501)

7 5 6 (115) (117) 가
 (115) (703)(, (((202 210))
 ()) (701)(,)
) (117) (707)() (701, 705)
 (705)(,) (2·)

$^{-1} [(L)(C)]^{-1/2}$, L (701) C (703)
 (115) (117)

가
 (850MHz 35%)
 (115)
 /

8, 9, 10 가 (115) 8 (800)
 (803) (805) (201) (201)
 , , () () ,
 8 , (800) (807)
 (500) (805)) , , ,
 (201) (, (803)) (807) (809)
 (807) (201)
 , 3M (PSA) (807) (805)
 (500) (501) (807) (501) (805)
 (201) (805) (117) (501) (807)
 (807) (201) (805) (807) (500)
 (807) (807) (807) (807) (807)
 (201) (803) (201) (803) , (807)
 , (809)가 ()

8 , (807) (201) (805) (201) (805)
 가 , (805) (807) 가 (803)
 , 9 , (907) (201) (05) (201)
 (905) (201) (905) (907) 가 .

10 , (1003) (1005) (201) 6
 PCMCIA 가 (501) (507) - (1011) . (1
 009) (1007) (201) ((1003)).

(anechoic chamber) (115) 가 5
 (117) 1 (101)
 (117) 1mm , 2
 (501) (115)
 (1200) 11 (117) PCMCIA
 가 930MHz Q 60 가 980MHz Q 60 (117)

11 , (115) (101) (1203)
 (117) (1201) 6 (db) ,
 (980MHz) (300MHz) (115)

12 ,
 12 , 3 (201)
 1 (1201) 1 , 3 f1 (1)
 203) 2 f2 , 3 (1205) 3 f3
 , f1 > f2 > f3 .
 가 가 ,

13 16 13
 () 1 (turn) , () ,
 , 14 (via)
 , 15 16
 , Q
 가

PCMCIA

가
PDA

가
가

가 (, PCMCIA)

가

가

가

가

가

가

가

가

(57)

1.

1

;

2

2.

1

2

1

3.

1

4.

3

5.

1

6.

1

2

(indicia)

7.

6

가

8.

;

1

1

2

2

가

2

1

1

2

9.

8

2

10.

9

11.

8

1

2

12.

8 , 1 1 , 2 2 1 (Q)

13.

9 , 2 가 가 , .

14.

9 , 1 , 2 가 , .

15.

9 , 2 , .

16.

9 2 , , (screening)

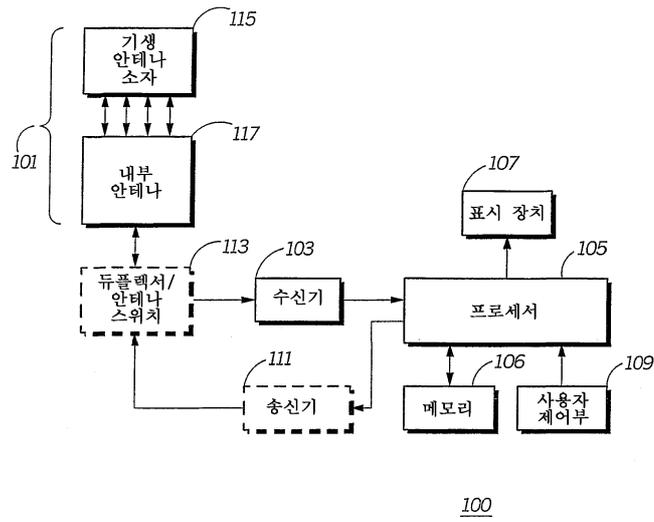
17.

9 , 2 가 , .

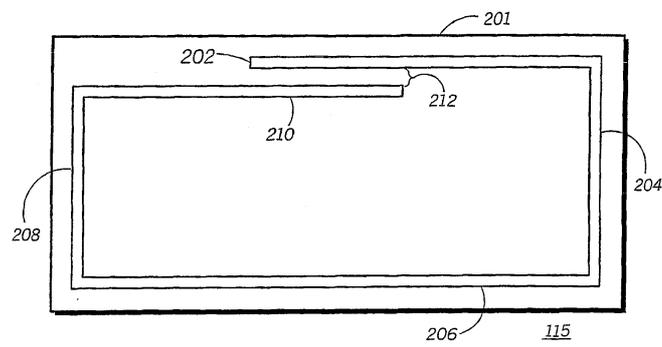
18.

17 , 2 가 , .

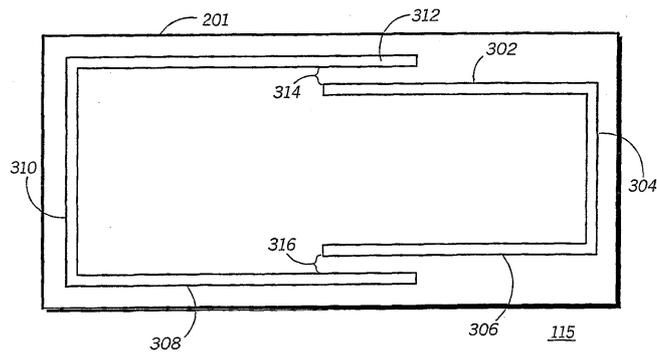
1



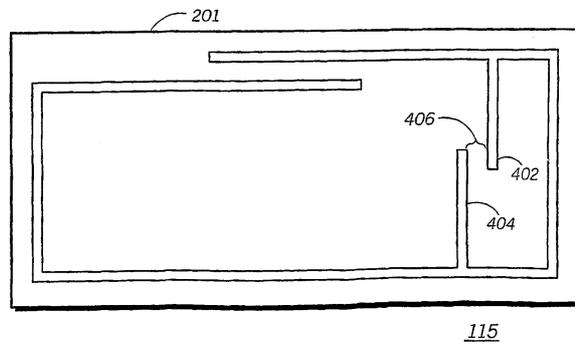
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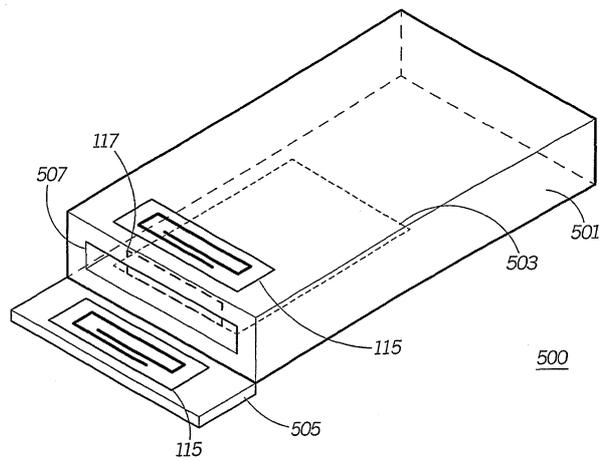
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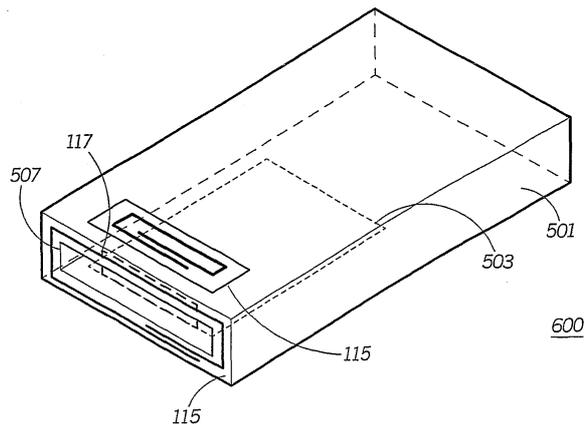
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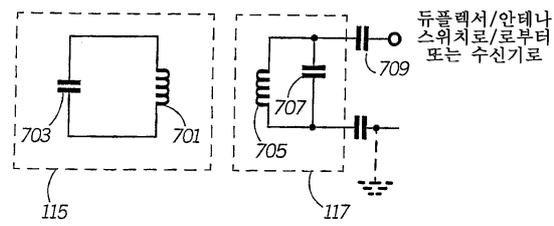
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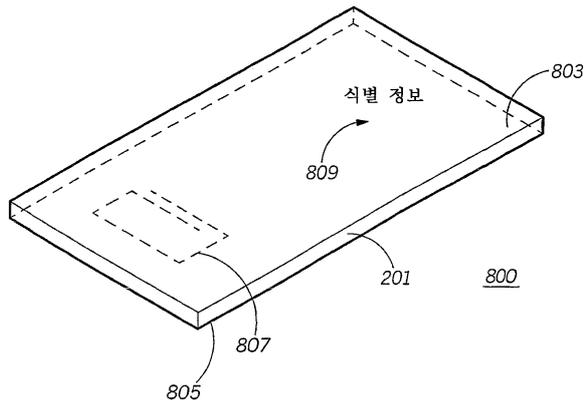
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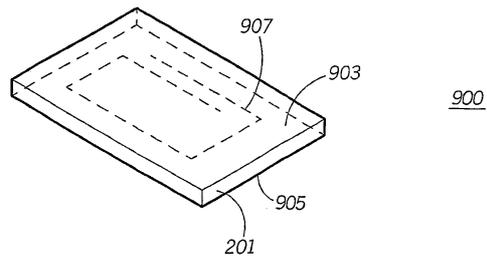
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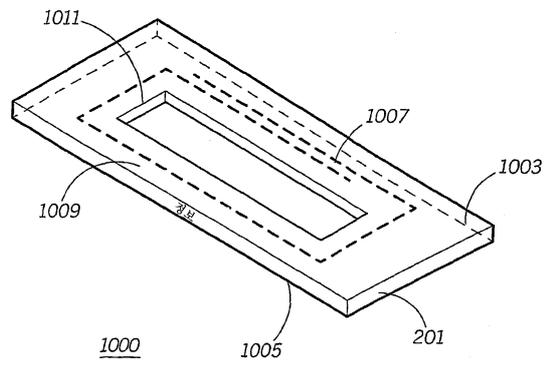
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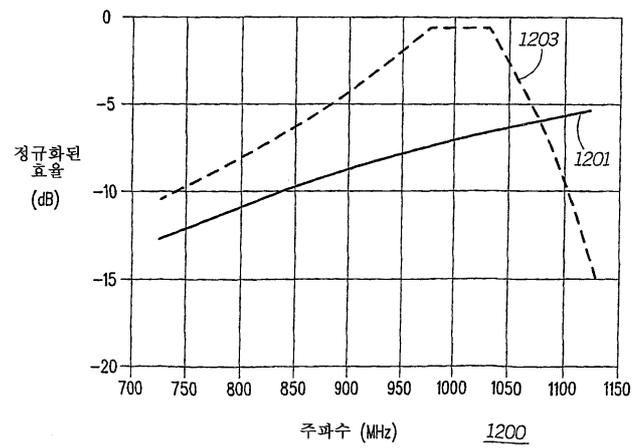
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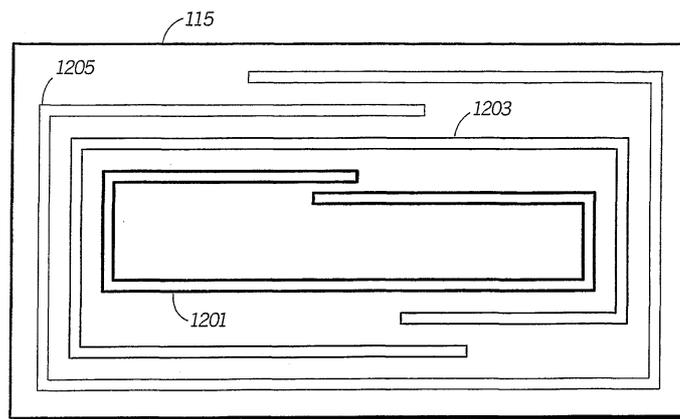
10



11

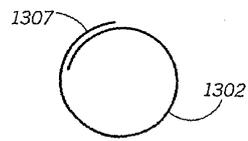


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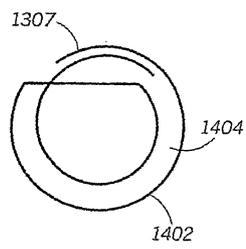


1200

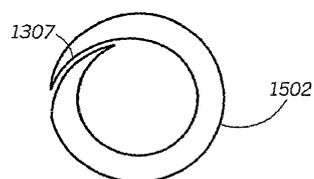
13



14



15



16

