

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁶
H05K 1/11

(45)
(11)
(24)

2002 09 04
10 - 0332971
2002 04 03

(21) 10 - 1998 - 0020667
(22) 1998 06 03

(65) 1998 - 0064909
(43) 1998 10 07

(73) 70 - 5

(72) 104 604
2 1299 103

(74)
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(54)

1 , 2 가

2 ; 가 1 ; 2 가 ; 가 ;

4

1

2

3

4

< >

200,210 : 201,211 :

212 : 213 :

214 : 215 :

(Build - up PCB)

가

Blind via Hole)

1

(101)

(110)

(100)

(110)

(112)

(112)

(100)

(101)

(100)

(101)

(110)

(112)

1)

(100)

(112)

(101)

(113)

(110)

(11

2)

(100)

(101)

가

가

(112)
(114)가 (100) (101)²

(114) (101,111)

(114) (100) (101) (114) (swelling) (112) (sweller)

(114) (114) (KMnO4) (112) (101)

(100) (101) (112) (110) (111)

가

1

2

가

; 1 ;

2

; 1 ;
가 2 ;

3 4

(ST300), 2 (ST400,ST500), (ST600), (ST100,ST200), (ST700) 1

(ST100,ST200) (201) (210) (200) (210)
(212) (210) (200) (201)

1 (ST300) (212) (200) (201)

가 (99% 가 1%)

2 (ST400,ST500) 1 (ST300) (swelling)

(ST600) 2 (ST400,ST500) (212)

(ST700) (212) (210) (211)

(200) (201)

(201) (200) (210)

(112) (200) (200) (201)

가 (ST100,ST200). (112)

(112) (200) (201)

(213)가

1 (213)

(213)가 (213)

(ST300). (214)

가 (etch back)

(212)

1 가 (200)

(213) (213) (swelling)

(213) (KMnO4) (212) (201)

2 가 (212)

(210) (211) (200) (201)

가 .

(57)

1.

;

가

1

;

2

;

2

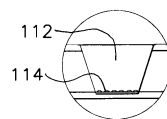
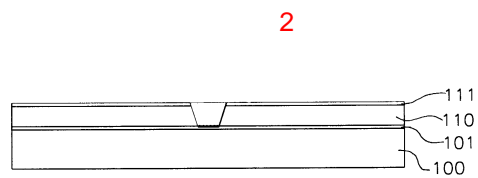
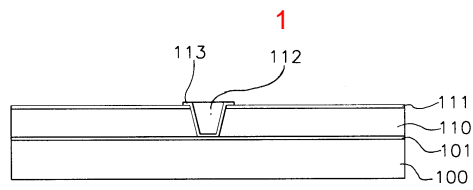
가

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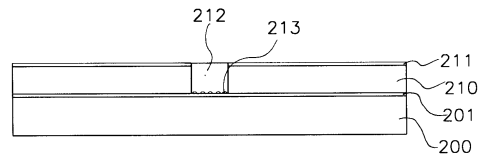
2.

1

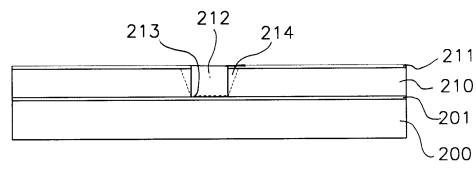
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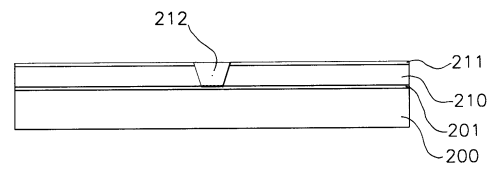
3a



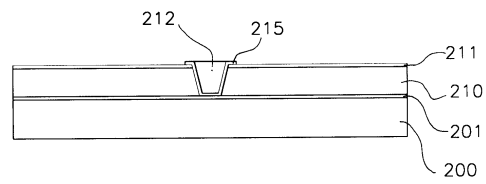
3b



3c



3d



4

