

2 : 3,12 :
 4 : 10 :
 13 : 14 :
 21 : 22 : /
 23 : 30 :
 31 : 40 :
 41 : 42 :
 43 : 61 :
 65 : / 71 :
 81 : 83 :
 101 : C :

가

PPGA PKG(PLASTIC PIN GRID ARRAY PACKAGE), PBGA PKG(PLASTIC BALL GRID ARRAY PACKAGE), P LGA PKG(PLASTIC PIN LAND GRID ARRAY PACKAGE)

, PPGA PKG

10-223800

가

가

, 1

, S/R

, 2

가

, 가

가

가

가

가

가

가

1

1

1

1

2

가

가

;

가

1

;

가

;

;

2

가

가

가

가

가

;

가

1

;

가

;

;

2

가

;

1

14

1

(1)

(2)

가

(

1a)

(1)

(4)

(3)

(1a)

(2)

(1) 가

(2)

(1)

가

(1)

2

, BT

가

(10)

, 가

(

(10)

(11)

(11)

가

(12)

(

11a)

(13)

(14)

(10)

(11a) (10) (11a)
(14) (21) (21)가
3 1 1 (22) (23)
1 (22) 0.3~0.7 μm, 0.3 μm 가 1 μm
(21) (30) 4 (10) (30)가 (30)
(30) (21)가 (1a, 10a, 30a) (4) (10)
가 6 5 (31) 가 가 (31)가
(4, 10, 30) (40)가 (40) 1
(21) (21) 가 (4, 10, 30)
(1a)(11a)(30a) (40) (4) (10) (4) (30) 가
가 ,가 (30) (30a) 가 가 ,
(41) (14) (40) 가 (41) (41) (40)
(10) (42) (4) (41) (41) (30) (14)
(42) (43) (41) (43)
(44) (44) (44) 1 6 (51)
(51) (C) (42) (C) (51) (40)
(C) (52) (40) (42) (43) (61) (51) (C) 8 (22)
(64) 9 (61) 가 (40) (61) (63)
(64) (62) (64) (40) (65) (62)
(C) 11 1 (22) (23) 2 / (63) (65) (62)
(40) (71)가 (80) (22)
2 (65) 1 가 (12) 가 (81) (80)
(40) (66) (71) (83)
(82) (100)
(83) (101) (100) (101) 13 (23) (C)
(C) (P) (102)

(57)

1.

가

가

1

1

1

2

2.

1

, BT

3.

1

1

0.3~0.7 μm,

0.3 μm

가

1 μm 가

4.

1

5.

1

6.

1

가

7.

1

8.

가

가

가

1

가

;

2 가

9. 1

8 10. 가 1 μm

9 11. 2

8 12. 가

가

13. 가

12 14. 가

가 1 가

;

;

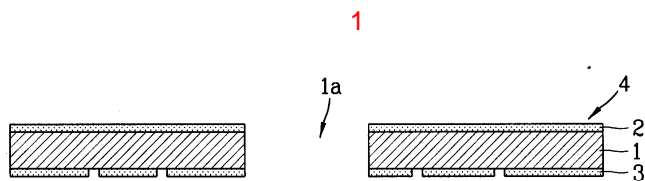
2 가

15. 1

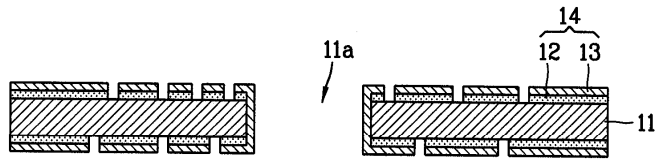
14 16. 가 1 μm

15 17. 2

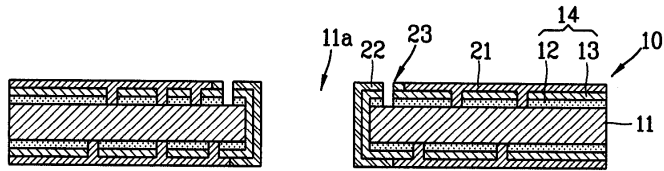
14



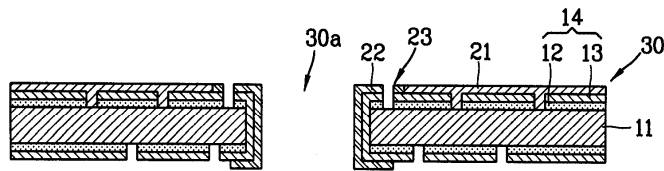
2



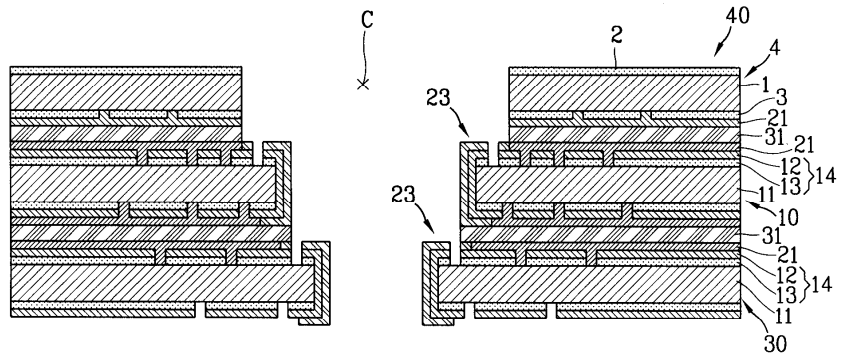
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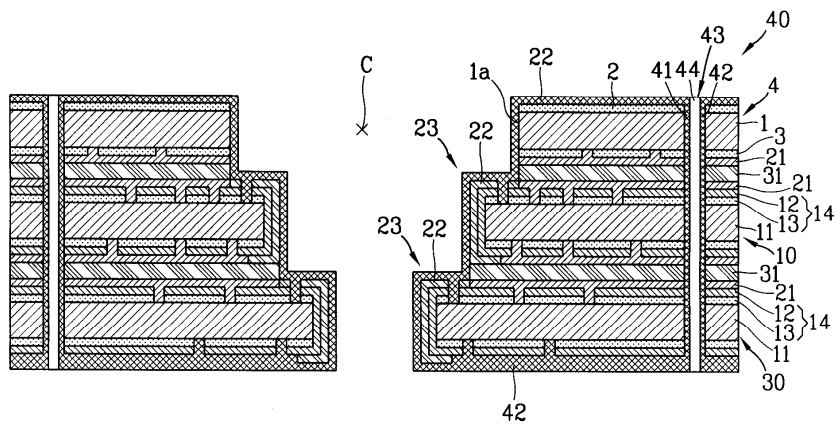
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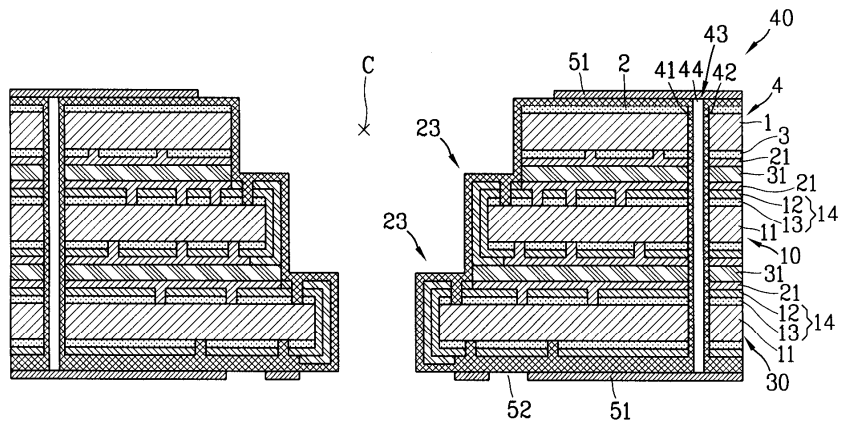
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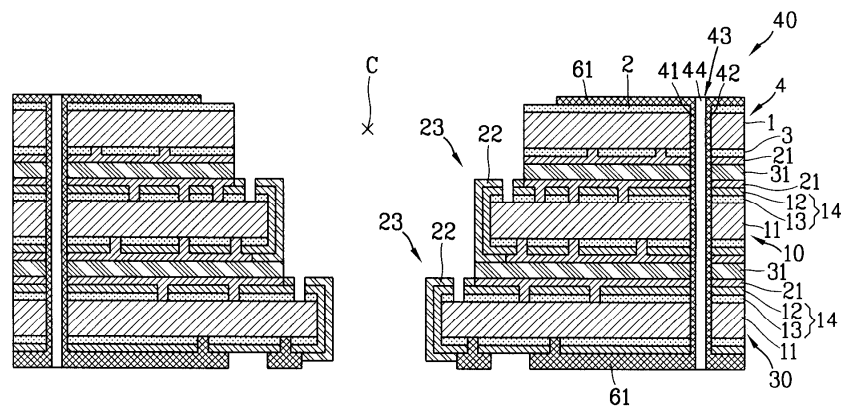
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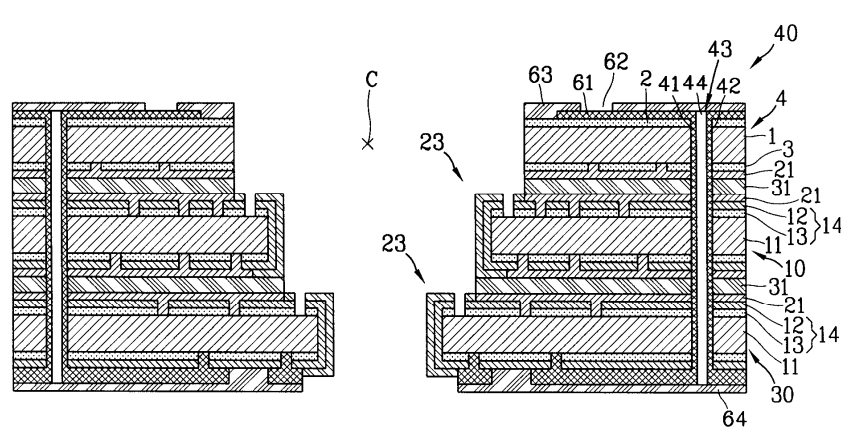
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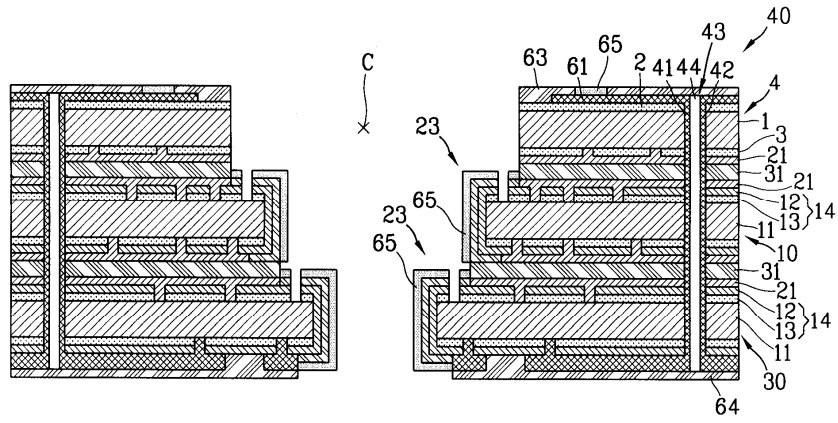
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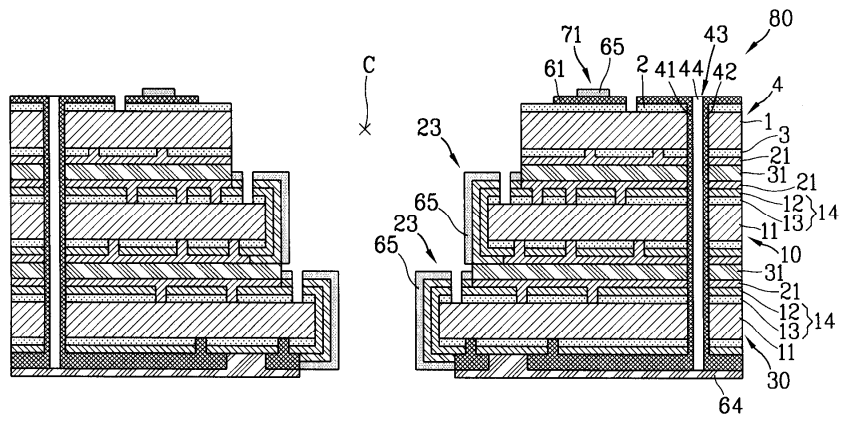
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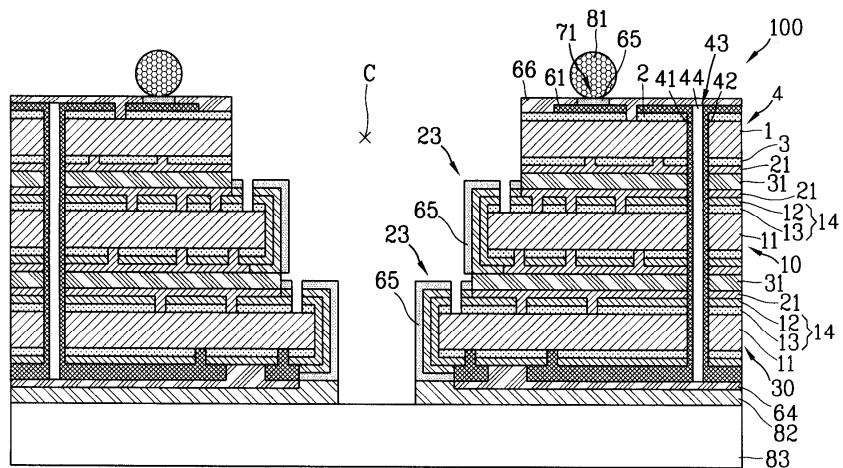
10



11



12



13

