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(B1)(51) 。 Int. Cl.⁷
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(24)2004 06 11
10-0435020
2004 05 28(21) 10-2002-0046971
(22) 2002 08 09(65)
(43)10-2003-0014142
2003 02 15(30) JP-P-2001-00243299 2001 08 10 (JP)
JP-P-2002-00216166 2002 07 25 (JP)

(73) 가 가 3 30 2

(72) 3 30 2 가 가

가 3 30 2 가 가

3 30 2 가 가

3 30 2 가 가

3 30 2 가 가

3 30 2 가 가

(74)

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(54)

가
 , 1 가 , 1 , 1 가 , 1 , 가
 , 가 1 2 , 1 ,
 , 가 가 , 가 .

5a

, , , , ,

1a 1
1b 1a 1B-1B , 1c 1 , 1d 1c 1D-1D
1a

2a 1 , 2b 2a 2B-2B 1c , 2c 1 , 2d
2a

2c 2D-2D .
3a 1 , 3b 3a 3B-3B 2c , 3c 1 , 3d
3a

3c 3D-3D .
4a 1 , 4b 4a 4B-4B 3c , 4c 1 , 4d
4a

4c 4D-4D .
5a 1 4c
5b 5a 5B-5B .
6a 2 , 6b 6a
6B-6B , 6c 2 6d 6c 6D-6D .
6a

7a 2 7a 7B-7B , 7c 2 7d 7c 7D-7D
7b 7a

8a 2 7c
8b 8a 8B-8B , 8c 2 8d 8c 8D-8D
8a

9a 2 8c
9b 9a 9B-9B .
10 2 7a
11 2
12a 3 , 12b
3 12a 12b 12c
12c , 12d 3 12e 3
12d , 12e

13a 3 12e 13a 1
13b , 13c 3 13d 3
3b 13c 13d 3
14a 3 13d 14a 1
14b , 14c 3

[illegible][illegible]

[illegible]

[illegible]

180 200 30 2 가 . DUV
가 ,

13a , 260nm DUV 가 (NUV 가
) 260nm 260 330nm NUV (309) 가
(309) (309')

NUV (309, 308) 40:1 , (308)
(308) (P(MMA - MAA))

13b , 210 330nm
DUV 가 (308) (308')
(308) P(MMA - MAA) 가 5 20 μ m
0 5 °

(309, 308) 가 , (308', 309') DUV
가 (312)가 13c
13d (312) (307)
0 ° , 0 10 °

14a , (314)
14b , (301)
(305) (KOH, NaOH, TMAH)

14c , 300nm DUV (301)
(312) 가 , (312)
(309, 398) 가 , (301)
(305) (310)가 (307) (305) (가) (307)
(305) 가 (303) (305) 가 가 (306)
가 (303) (가)

가 , DUV가
가 , 가 (41) (42) (11)
, 3 (27) 가 , 400nm
4

4 15a 17c
, 15a (403)(가) 가
, 15b (가)
, 15c (401) DUV(300nm 가 가 (408, 409)
(408) 가 , (409)
(408)

P(MMA - MMC = 90:10) 가 , DUV (C
PMIRK 가 , DUV
PLA521)가 (409) 290nm DUV
M290 , 15d 409' 290nm
DUV 가 (409) (408) 50:1 ,
250nm DUV CM250 , 16a 가
(408, 409) , (412) (16b), (407)
(16c). (MPA - 600)
, 17a , (414)
, 17b 17c , (3) (401)

, DUV (300 nm (KOH, NaOH, TMAH) (405) (412)
 가 (408', 409') (401) (407), (405),
 가 (406), (406) (403) (405) 가 (410), 가
 가 (412')
 18 (17c 18 17C-17C
). 가 (410) 가 가 (410)
) (406) 가 (410)가 (405) (412')
 , 가 가 , 가
 가 19a 19b 가 (510) (505) (506) (512')
 (513') , 가 (510) 가 (510) 3 (505)
 (,) 20a 20b
 , 20a , 가 가 가 가
 (606) L , 가 (615)가 가 , 가
 (610)가 20b (605) , 가 가 , (61
 3)가 HB() , 가 (612')가 가 , 가
 , 가 , (616) (fly).
 , 가 (613') , 가 (610) (606)
 , 21a , 가 (610) , (613') , (612')
 , (616)
 가 (610) 21b (607) , 가 (610)
 , 가 (605) (606)
 가 가 (610) (605) (613') HB(
)(601) , (612')가 가 , (606)

가 , , , .

(57)

1.

, , 가
 가 , ,
 가 가 1 , 1
 1 , 1 가 1 , 2

1 , 1 , 1
 1 , 2
 2.

1 , 1 , 1

1 가

3.
1 , 1 2
3 , 2 1

4.
1 , 1 가
가 5.

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가 ,
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가 가

6.
5 , 가

7.
5 , 가 가 , 가

8.
7 ,

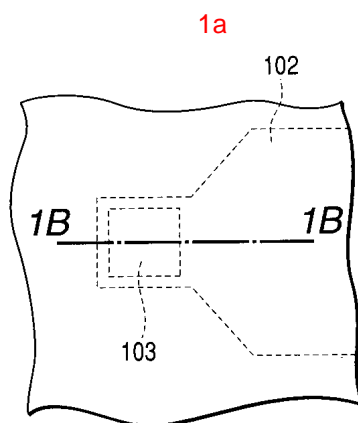
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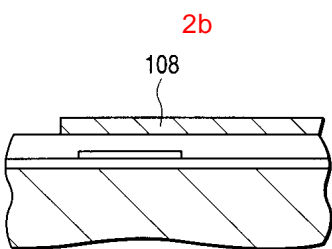
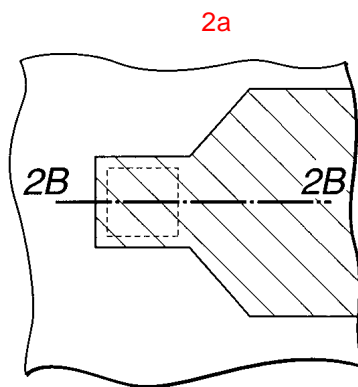
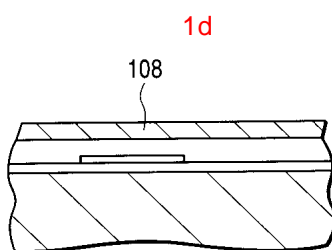
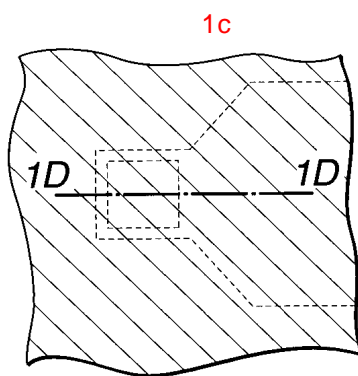
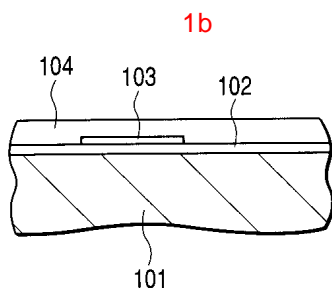
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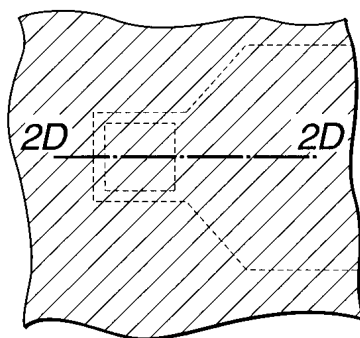
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12.
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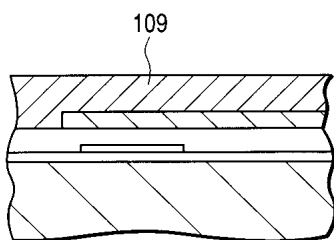




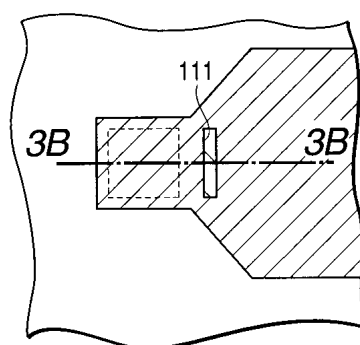
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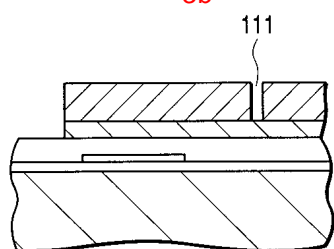
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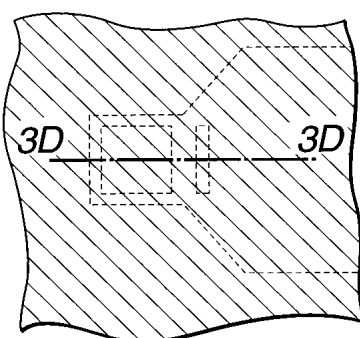
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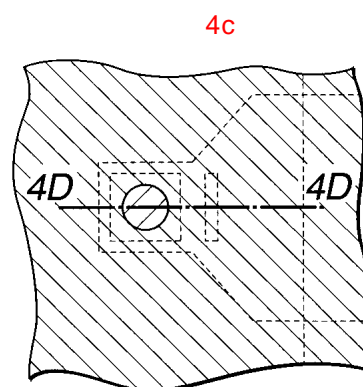
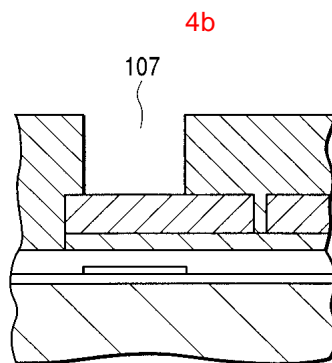
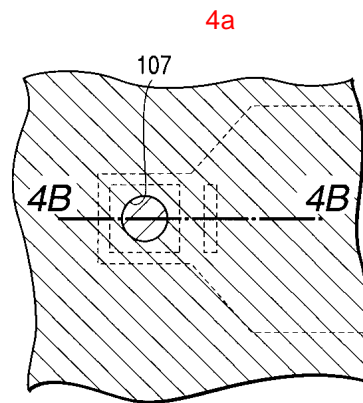
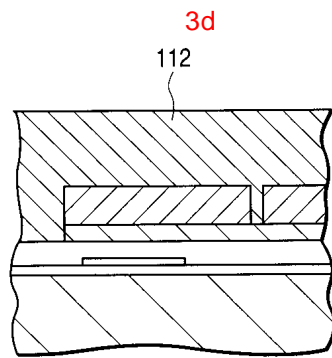


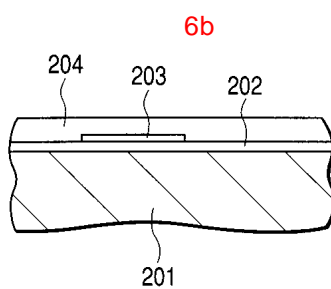
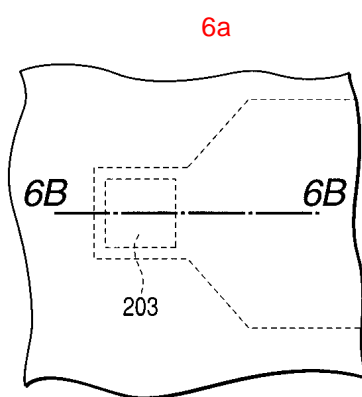
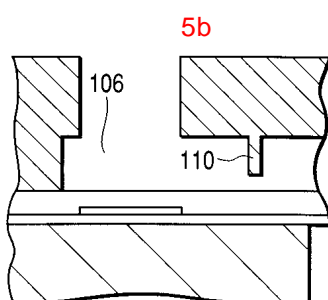
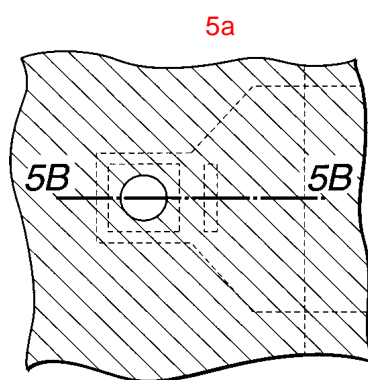
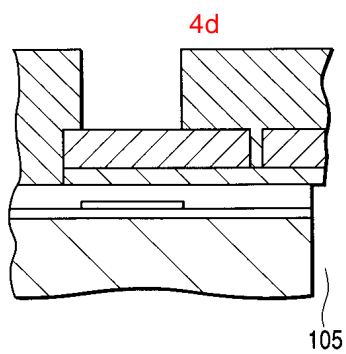
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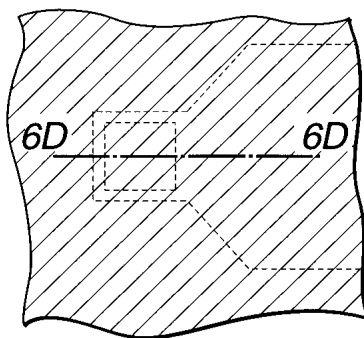
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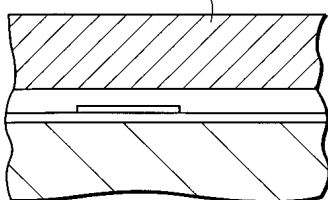


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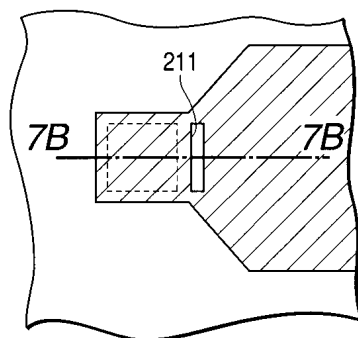


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208

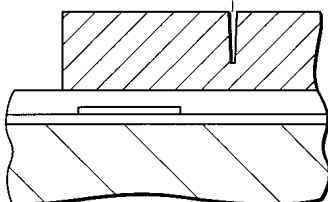


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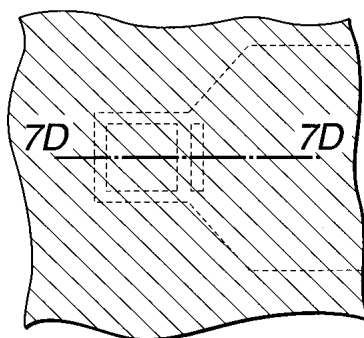


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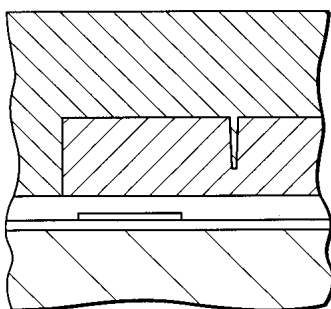
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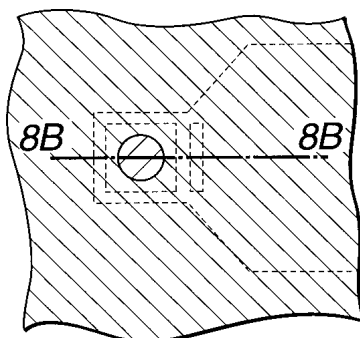
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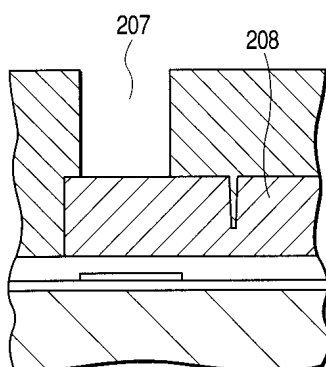
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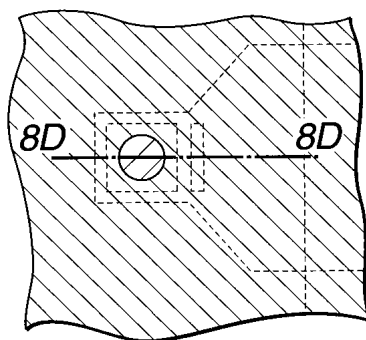
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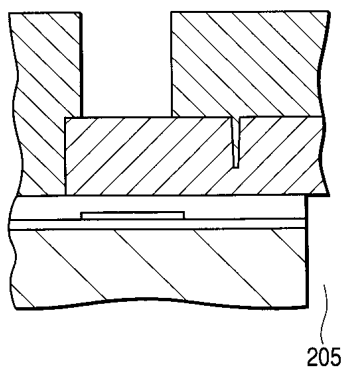
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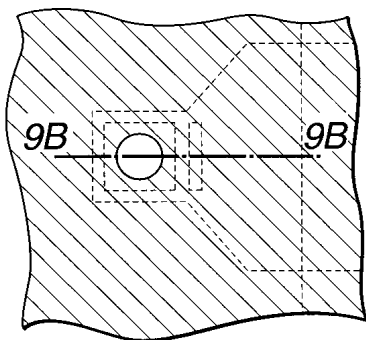
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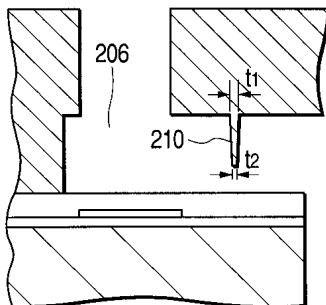
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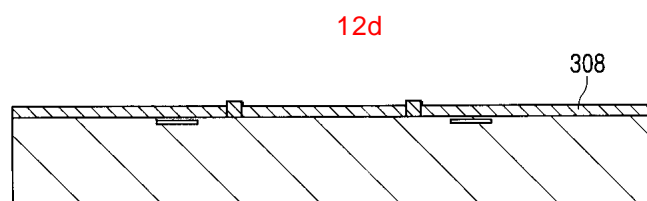
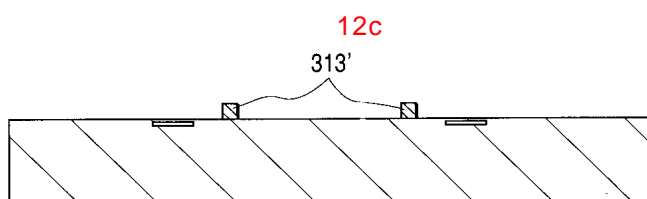
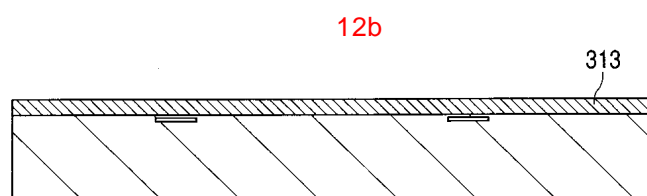
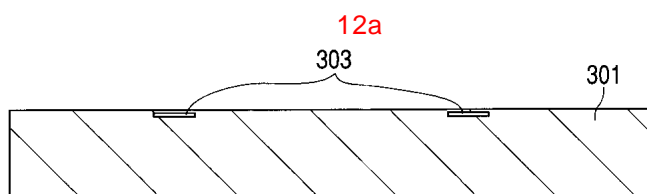
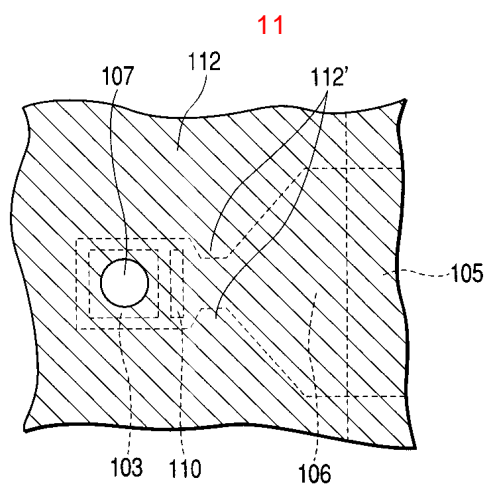
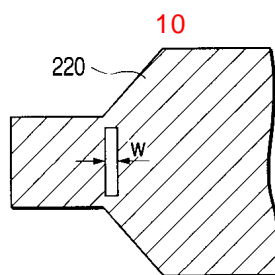


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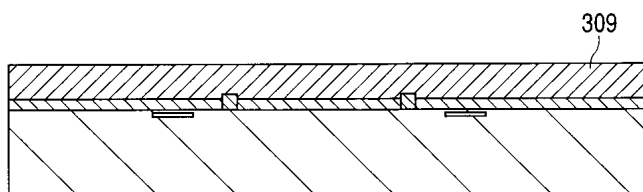


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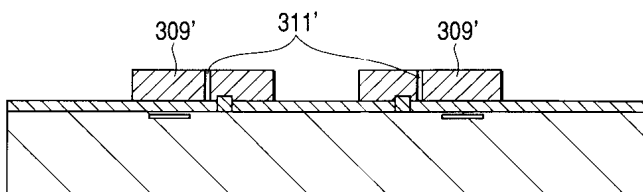




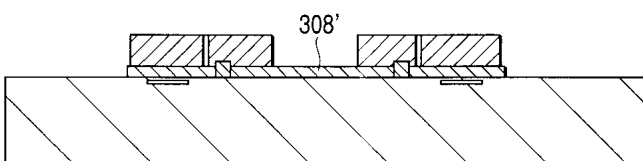
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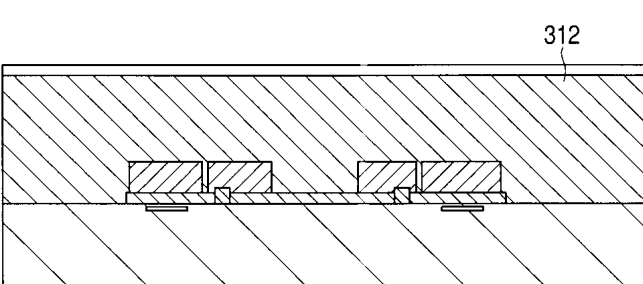
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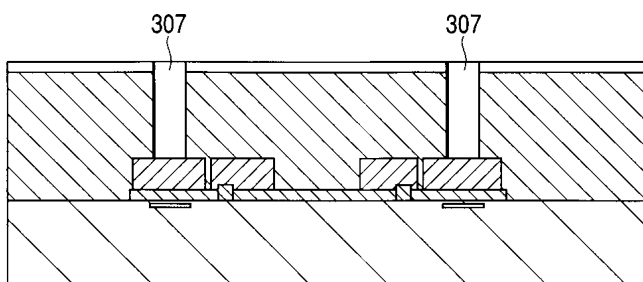
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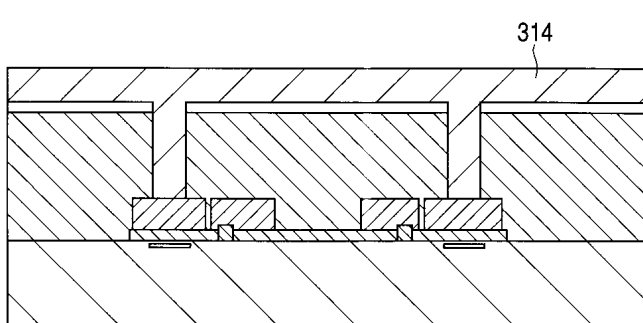
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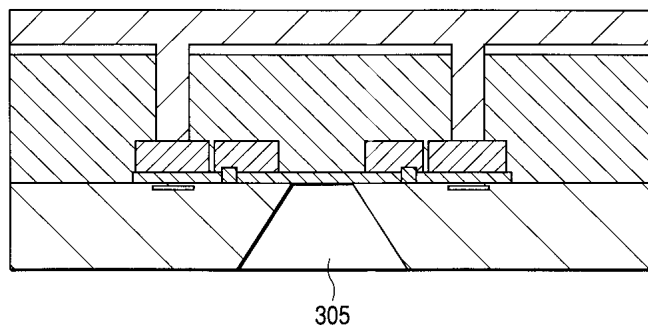
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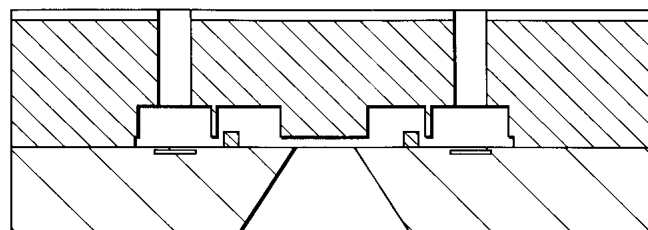
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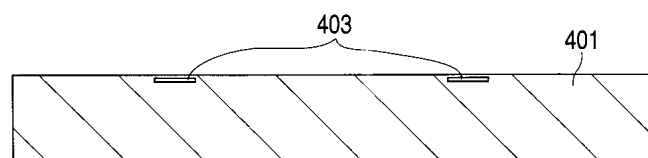
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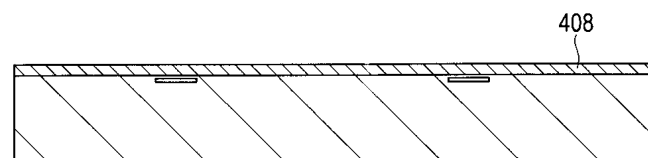
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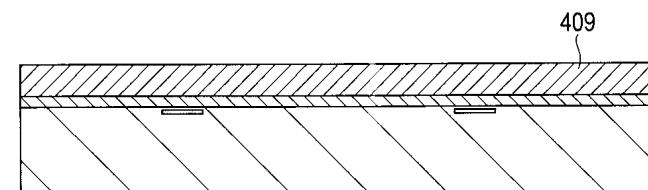
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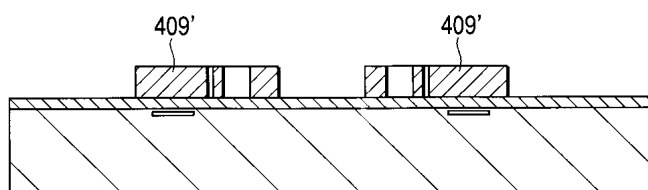
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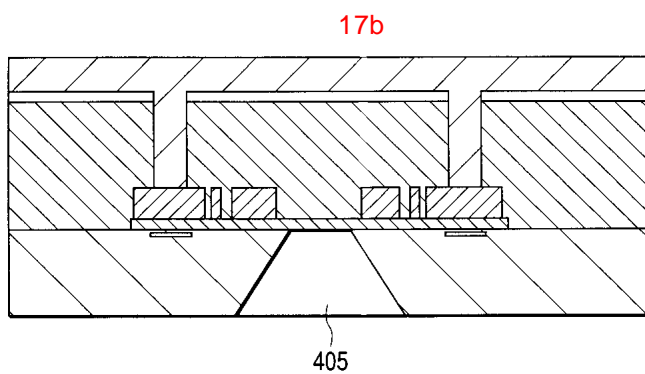
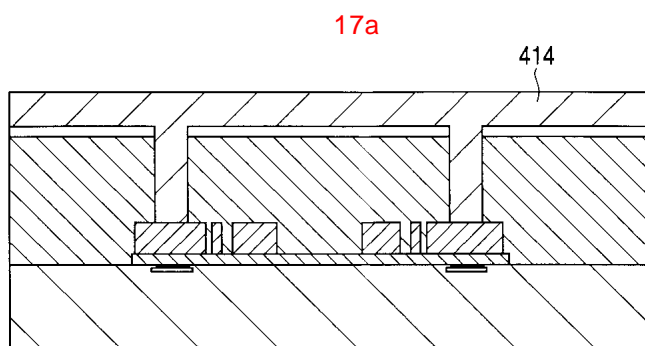
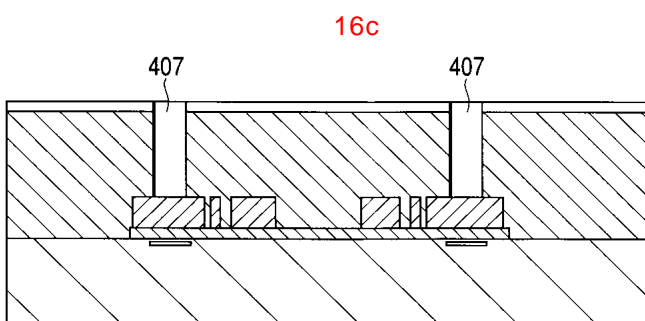
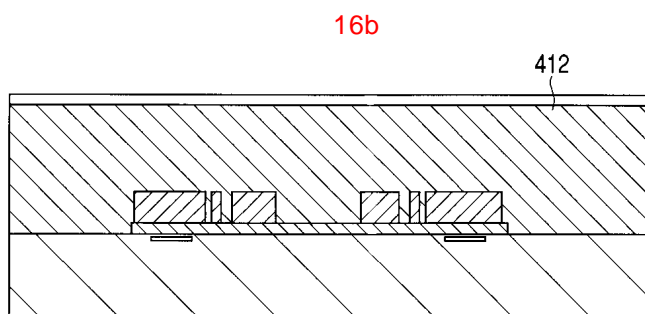
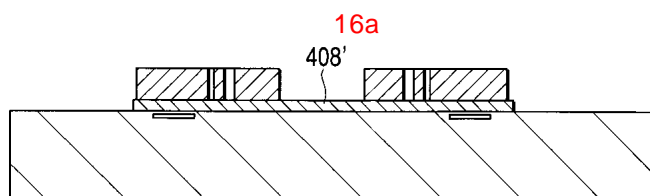


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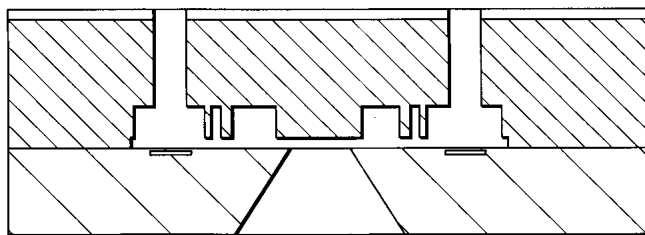


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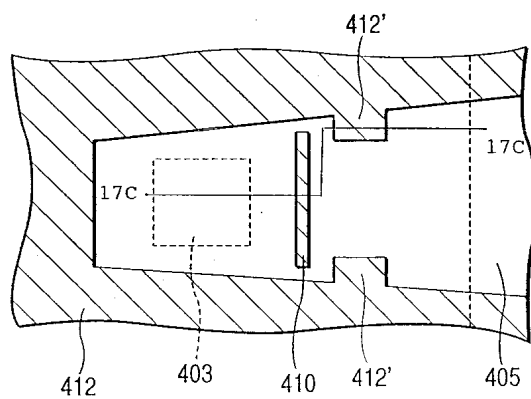




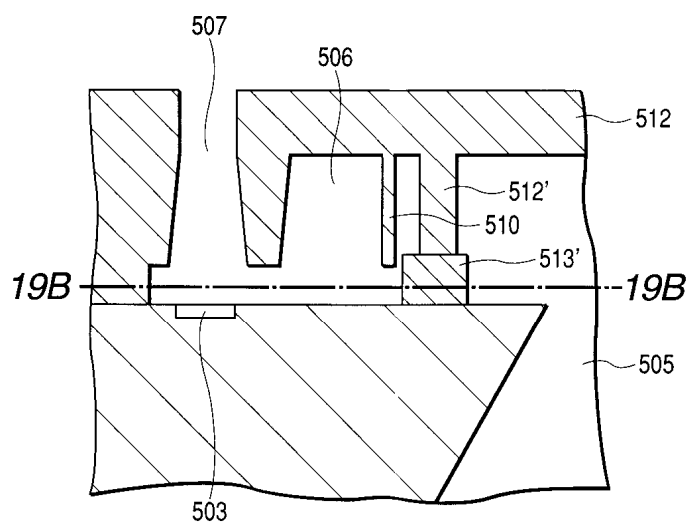
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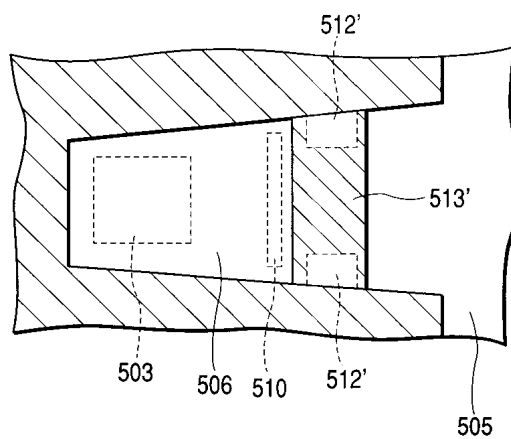
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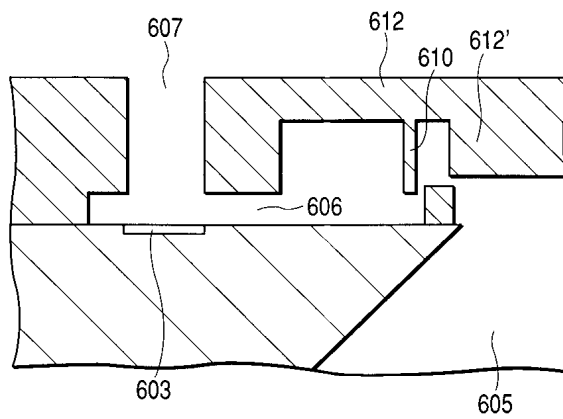
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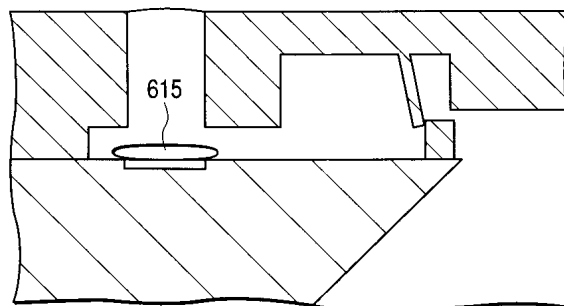
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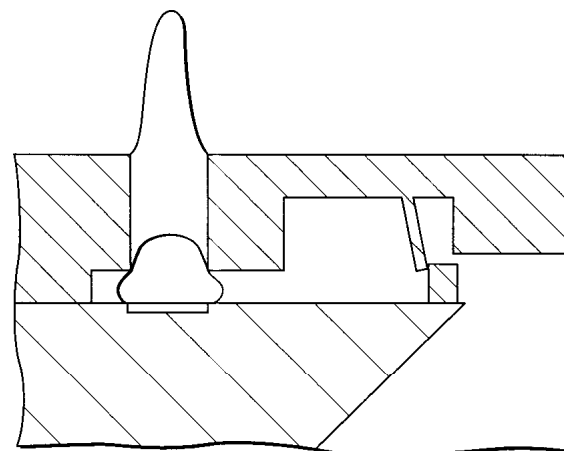
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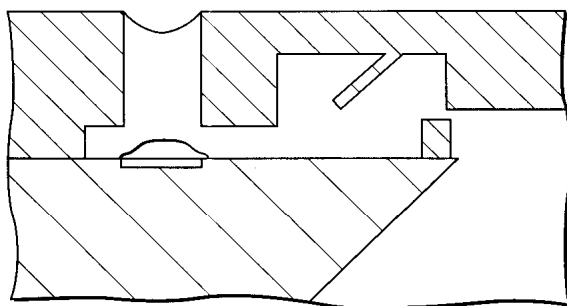
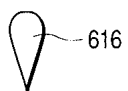
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21a



21b



22

