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(22) 2001 12 07(65)
(43)10-2002-0046180
2002 06 20

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(73) 가 가 가 22 22

(72) 5 45 104

2613-1-1005

가 가 2-20-1

(74)

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(54)

도 1a, 도1b

1a 1b , 1a ,
 1b 1a .
 2 가
 3 가
 4a 4d
 5a 5c 4a 4d
 6
 7a 7b 6 , 7a 7b a-a' , 7b
 8a 8b , 8b
 8a 8b a-a'
 9
 10a 10b , 10a
 가 , 10b 가
 11a 11b 10a 10b , 11a 가
 , 11b 가
 12a 가 , 12b 12a a-a'
 13a 가 , 13b 13a a-a'
 14
 15a 가 14 a-a' , 1
 5b 14 a-a'
 16 , 가
 17a 16 B , 17b 17a A-A'
 18 가
 19
 20a 20b , 20a 가 , 20b
 가
 21a 21b , 21a 가 , 21b
 가
 22 14 b-b'
 23 19
 24a
 , 24b 24a
 25 24a 24b
 26a , 26b 26a
 27 26a 26b
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[1]
 1a 1b , 1a 1b 1a
 (1) (2)
 (1) (2) 1a (3) (1) (4)
 (2) (1) (4) (1) (6)가 , (1)
 (6) (2) (1)
 (2) , ABS(acrylonitrile-butadiene-styrene)
 (1) (4) (2) ((5)가 (2) ((6) (4) (1) (2)가 가
 (4) (5)가 (1) (2) 가
 , (1) (2) ,
 (5) (2) (1) (1) (()
 (7)가 (7) (2) (1) (5) , (7)가
 2 (7) (3) 가 (7)
 (1) (1) (5) (1) (1)
 (5) (3) (3) (11)
 3 (3) (3) (11) (14), ((15) ((16) (15) (1
 3 (14) (11) (() (15)
 6) (14) (3) (14) ,
 , ABS ,
 가 가 가
 가 가 (14)
 1 (14)
 , (防塵)

(15),

(16) (3) (16), ABS,

가 (16) (11) (16)

(11) 3 (21), (22) (23) (17), (18), (19), (20),

(22) LD(Laser Diode)

(23) (3) (15) (3) (2)

3) (21) (22) (20) (22) (3)

(19) (22) (3)

(18) (19) (3) (21),

(15) (22) (23) (11) 가 (20), (17)

(3) (15) 가 (15), C

D, CD-ROM, DVD-ROM CD-ROM, DVD-R (11)

) 가 (17)

(11)

(22) (21) (20)

(20) 가 (19) (18) (18)

(3) (16) (15) (18), (19), (20) (1)

5) (21) (23)가 (23)

(1)

가

가 가 가

가 0.6 1.2 mm, 가 1 mm

가

가 가

(1) (14) (15)

(11)

10 μm

100 1

4a

4d (8), (9), (10), (11), (12)

) (8) (13) 가 (1) (10) (9) (10) (9) , (10) (9) (1) (10) (9) (1) (11) , (1) (12) , (11) (1) (13) (11) (12) (11) , 4a , (1) (2)가 가, (2) 가 (10) (10) , 4b , (2) (2)가 (10) , (2) (1) , (1) (4)가 (10) (2) (2) (1) (2) (1) (2)가 , (2) 4c (8) (12) (11)가 , 5a 5c 4a 4d , 5b (1) (2) 가 , 5c (11)가 (13) (12) (13) (11) (11) (12) 가 (13) 4a 4d , 4a 4d , (11) (1) (12) 가 (11) (2) (1) (2) (11) (11) (11) (12) (11) 1 (2) (1) (5) (2) (1) (4) (1) (1) (24)가 (2) (24) (2) (6) (24)가 (6) (1) (2) (6) (25)가 (24A) (1) (25) (1) (2) (25) (24) (24A) (24) (24A) (24) (6)

. (1) (25)가 (24A) , (2)
 (1) (2) 가
 (24A) (24) ,
 , (25) (24A)
 , (24A)
 , 1 (24) (2
 5...) (25...) (24A)
 , 6 , 7a 7b , 7a 7b a-a' 7b
 , (1)
 (26·26)가 (2) (26·26) (1) (2)
 2 (26) (26A)
 (1) , 2 (1) 가 (1)
 (26·26) 가 2
 (7) (26)
 (2) ,
 (1) (1) , 2 (26·26) 가 (1)
 (1) (26)
 (26) (27) (2) 가 (28) , , (26)가
 (26)가 (27)가 가 (28) ,
 (27)가 가 (28)
 (26)가 (27)가 가 (28) (27) 가 (28
) , (27)
 , 가, 가 (28) 가 (28)
 , 가 (27)
 7b , (26)가 (2) 2 , 1 (1)
 , 3
 , 8a 8b , 8a 8b
 a-a' 8a 8b (2) 가 (1)
 (2) 4 1 (2) (1)
 , 8a (2)
 (1)
 , 4a 4d (2)
 (2) (11) (2)
 , (11)
 (2) 가, (11) (1) (1) 8a 8b
 가, (11) (2) 4a 4d (7) (2)
 (7) 8a 8b ((2)
) 8a 8b 9 가 가 , ,
 (2) 가 (2W)가 (2W)가 ,
 (2W)가

가 (2) (2W)가 ,

[2] 1

(1) 1 (2) ,

(2) ,

(1) 10a 10b , 10a 11a (30)가 , 11a 11b (30)가 (30)

(2) (30)가 (1) /

1 1a 1b

(1) / (1) (2)

가 (30) , 가 (30)가 , 12a 12a a-a' , 12b (2)가

(1)가 (1) (32)가 (32) (2)

(31)가 (30) (30)가 (32) 가

(31) 13a 13a a-a' (1)가 , 13b (2)

가 (30)가 가 , 가 (32) 가

(31) (1) (2)

14

(36) , (33), (34) 14 (35)

(34) (1) (35)

가 (36) (33) (36)

(33)

14 가 , 14 (33) (33) (3)

3) (36) 14 a-a' 15a , 15b

14 a-a' (33) (30) 1

6 (33) (30)가 16 (30)

가 17a B , 17b 17a A

-A' 17a (38) (2) (30) (38)가 (30)가 (3)

3) (33) (38) (37)가 (38) (38A)

(30)가 (39)가 (39)가 (30)

17b (37)가 (38) (33) (39)가 (30)

(40)

) , (30)가 (33) , (39)가 (40)
 18 (30)가 (30)가 , 가 (33)
 , 19
 (81), (82U), (82L) (83) (81)
 , (81) (82L) (81)가
 82U) (82U) (82L)
 20a 20b , 21a 21b
 83)가 , 20a 21a (83)가 , 20b 21b (
 , (83)가 (81) /
 , 1a 19 가 가
 , 가 (1) 가
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 , 22 14 b-b'
 23 19 (35) , 1 , 3 (11)
 , 가 (1) (35)
 가 , 23 (85)가 , (81) (81) 가 가 (81) (84)가
 , (81) 가 (81) (84)
 (81) 가 ,
 (84)
 (82U) (84) MD(Mini Disc) , 2.5 mm,
 1.5 mm
 4 mm
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 , ,
 , 2 14 (33)
 , 2 (33)
 , (33)
 , 24
 b 24a , 25 24a 24b (33) 1 2 (41
 · 42) 1 (41) 2 (42) 2 (42) 1 2 (41
 , 1 (33) (44...)가 , 1 (41 · 41)
 , 1 (41A...) , 2 (42 · 42) 2 (42A...) (42A...)
 , (44) 1 (41A) 2 (42A)
 ,
 24a (33) , (33)
 (45) (45A) ,
 (45)가 (46) (33)가 가 ,

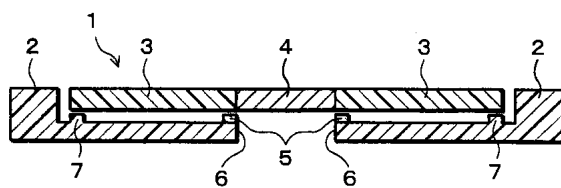
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(57)

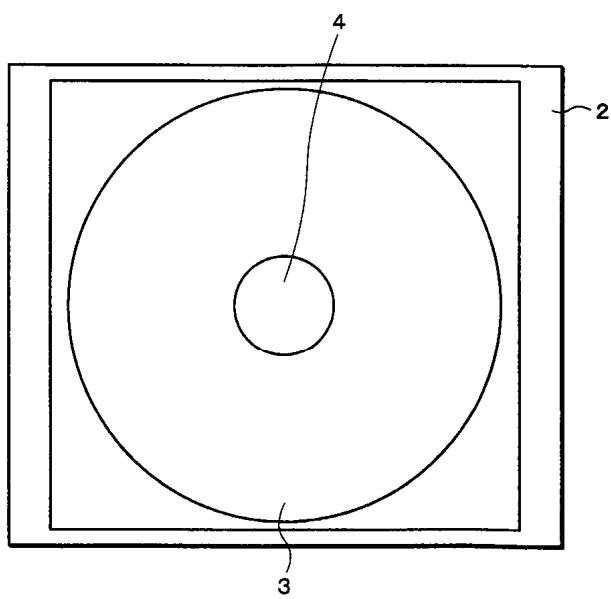
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47	50.	49	가 가	.
28	51.	,	가 /	.
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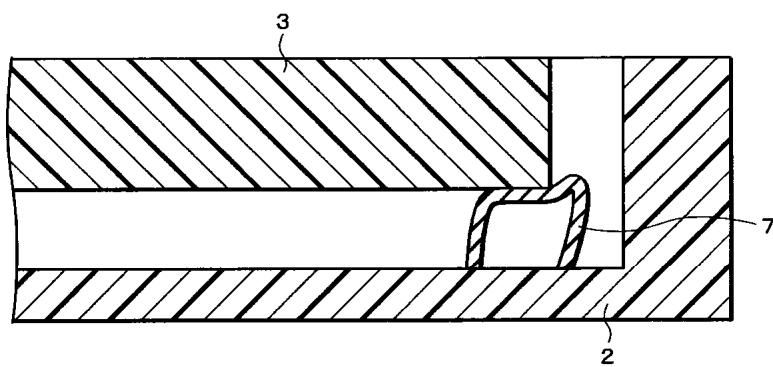
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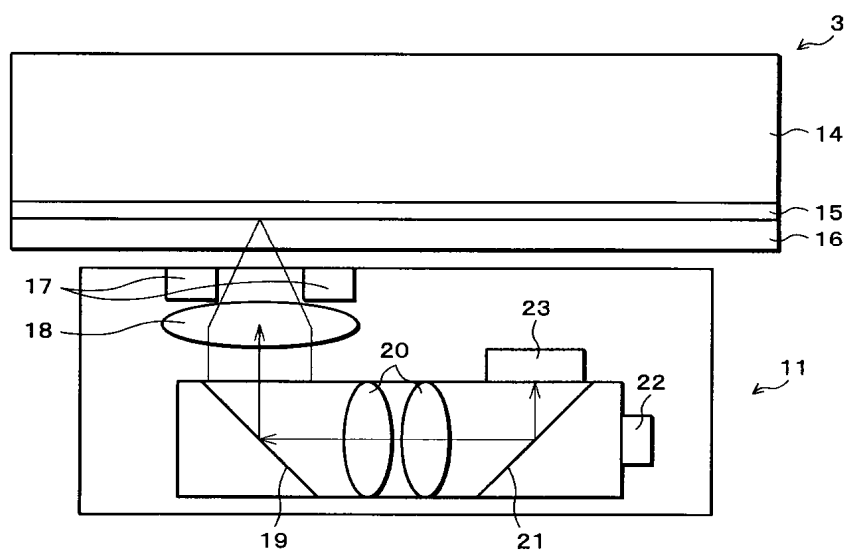
1b



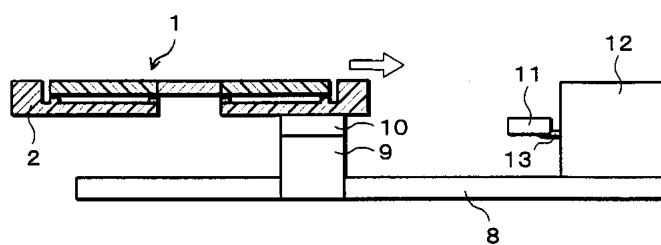
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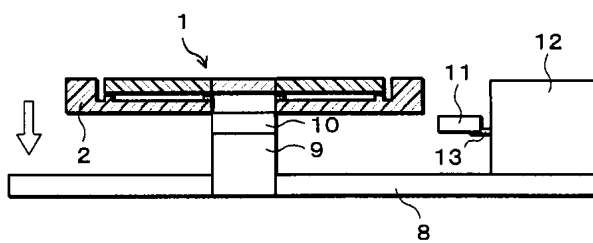
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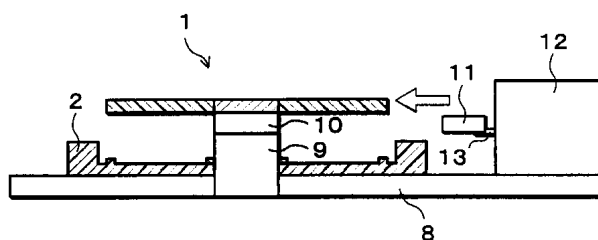
4a



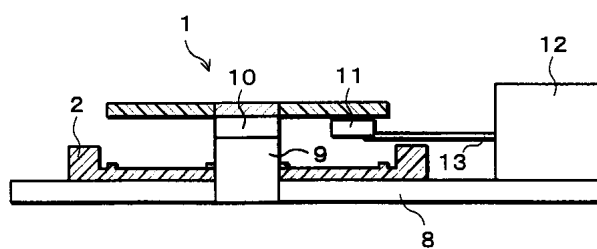
4b



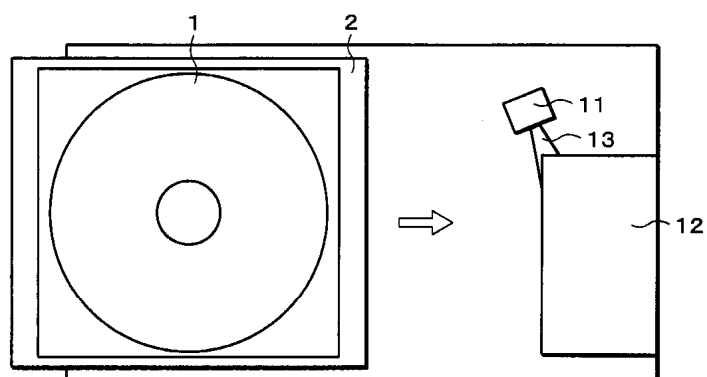
4c



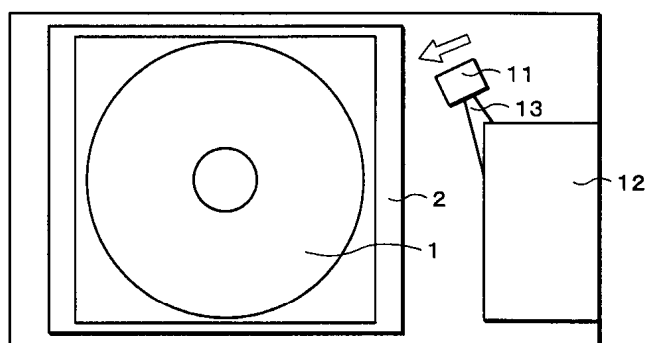
4d



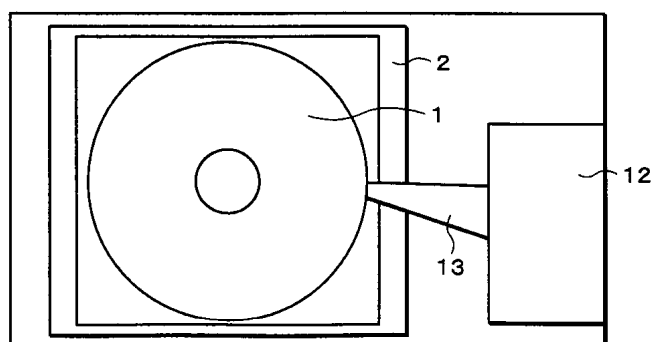
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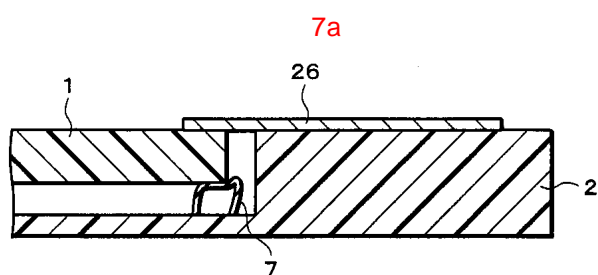
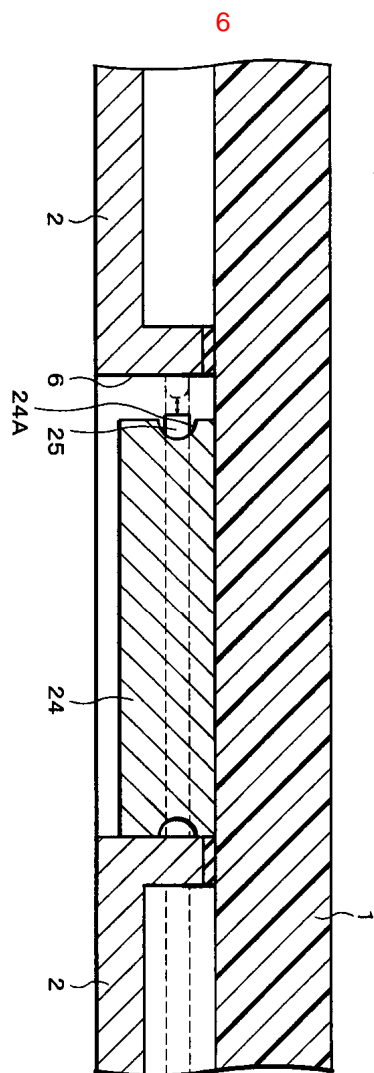


5b

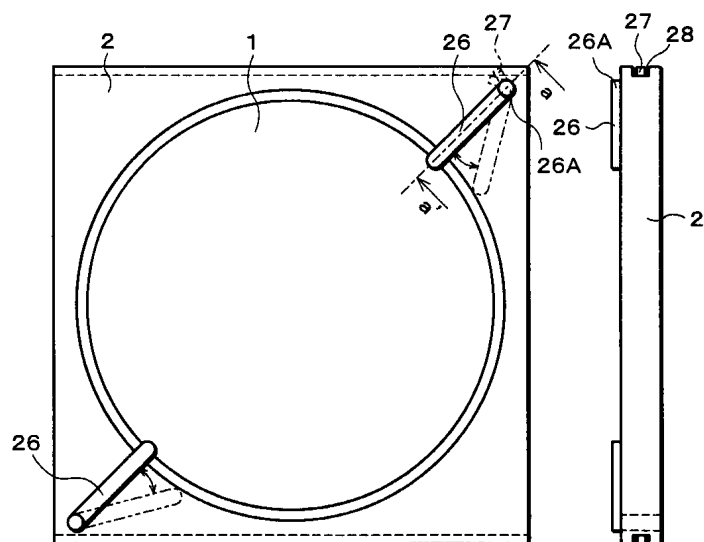


5c

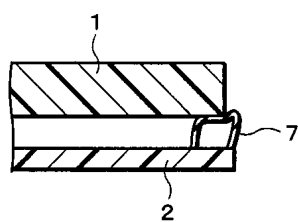




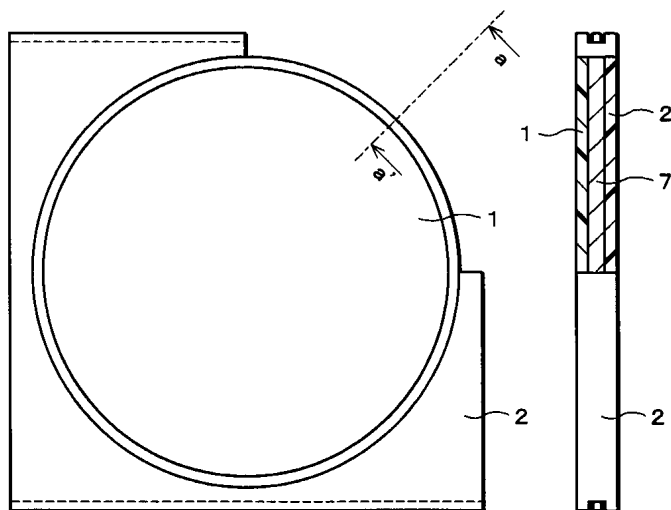
7b



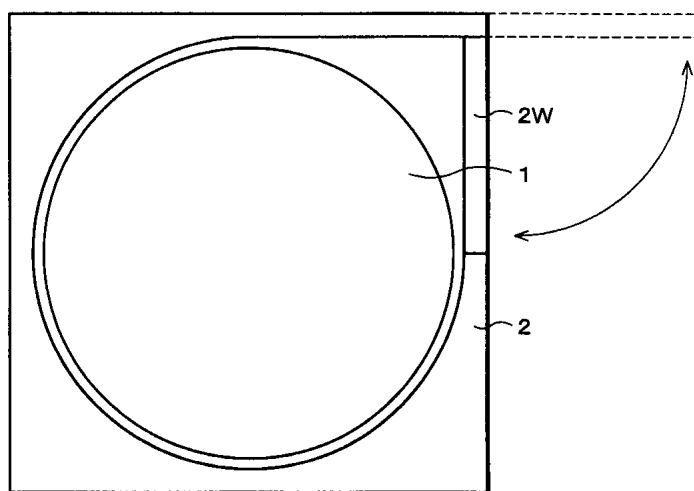
8a



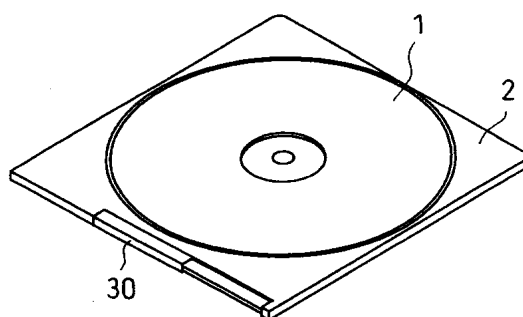
8b



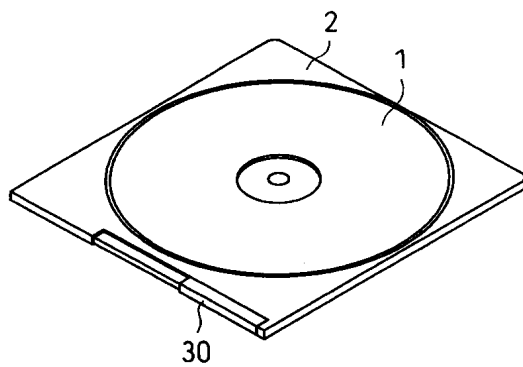
9



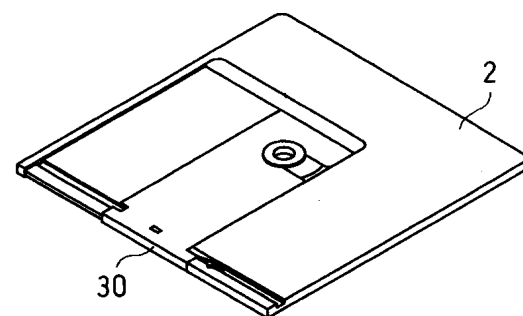
10a



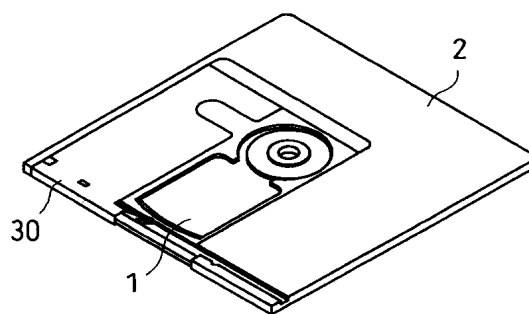
10b



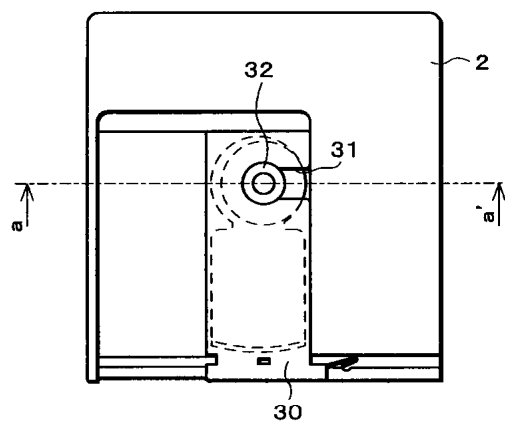
11a



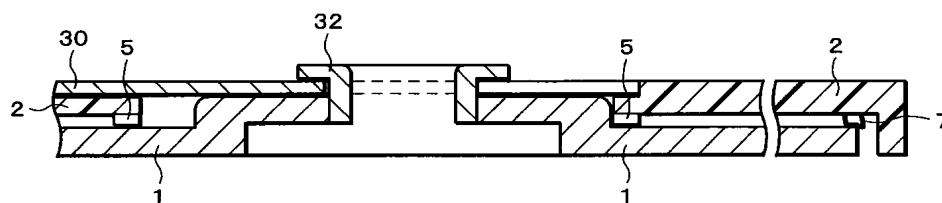
11b



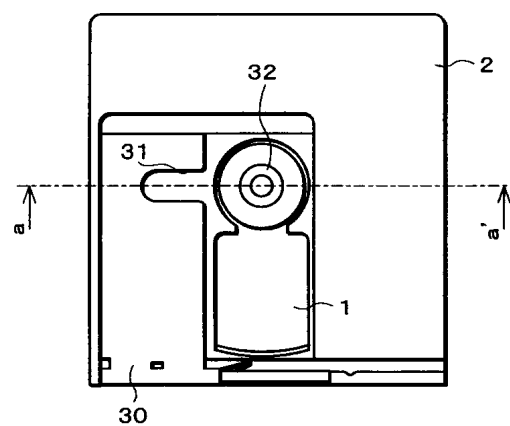
12a



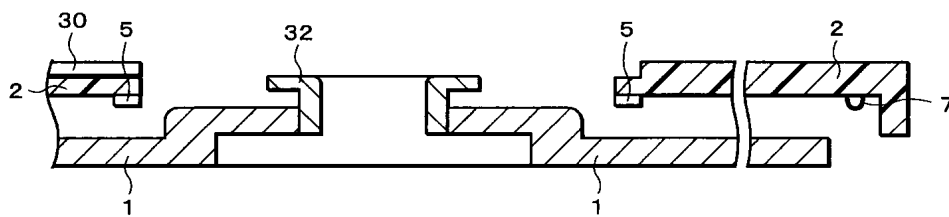
12b



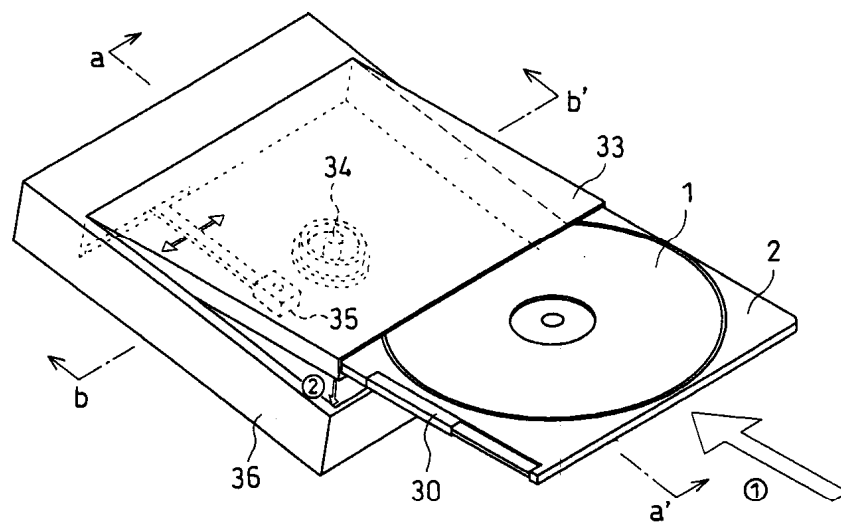
13a



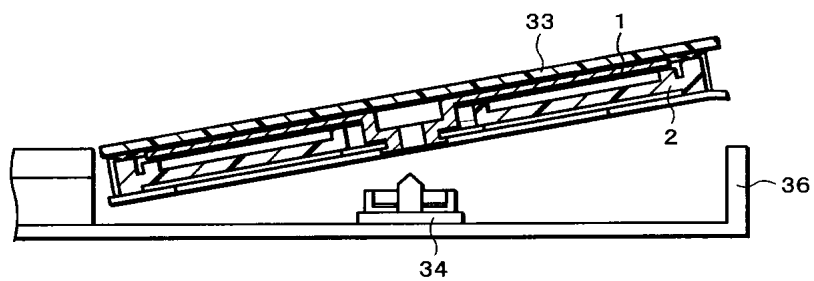
13b



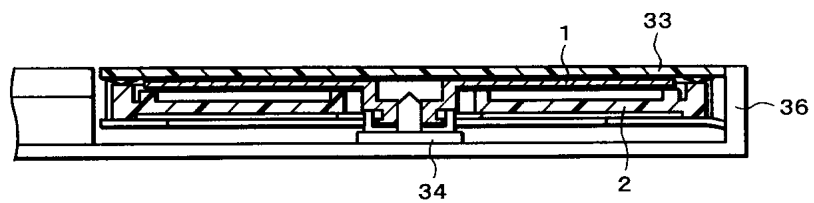
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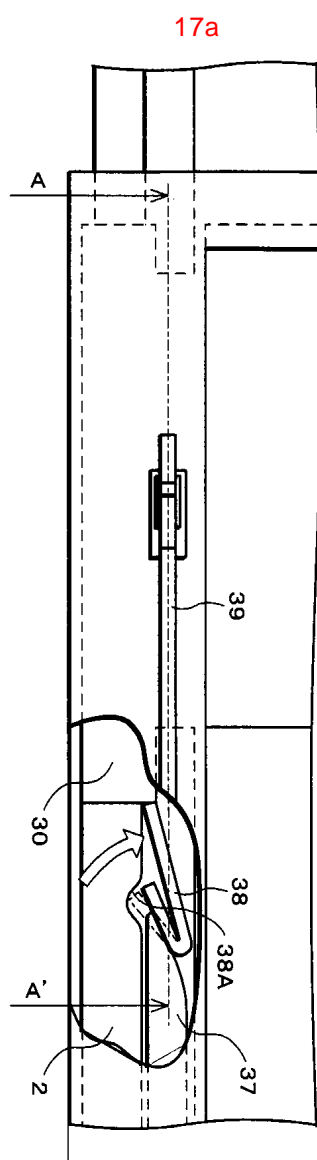
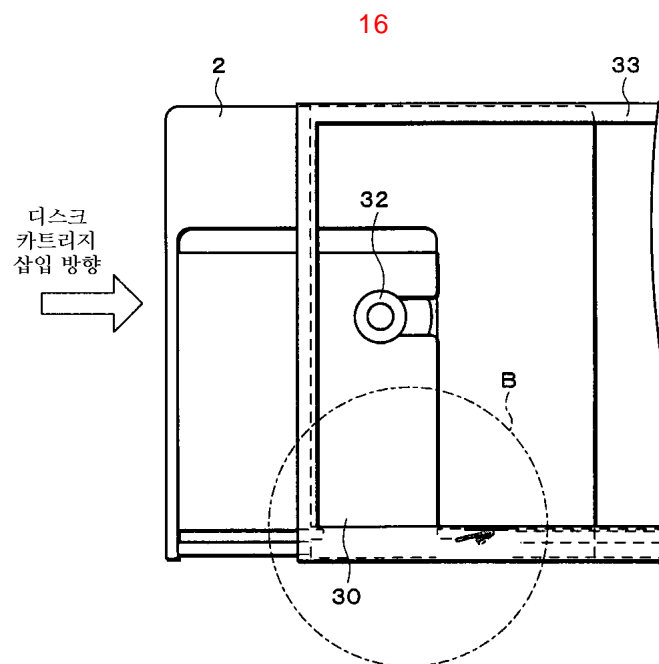


15a

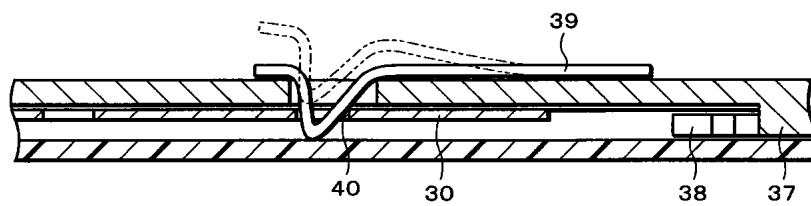


15b

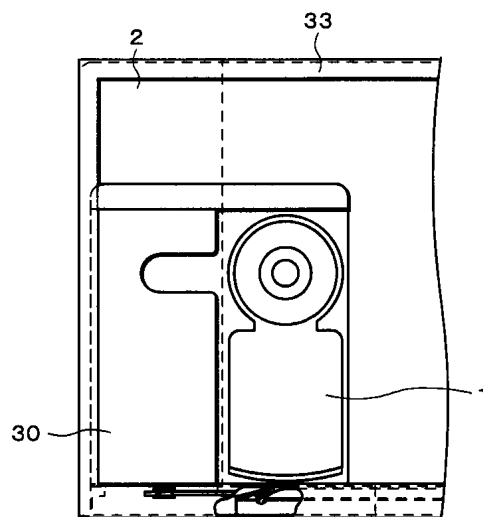




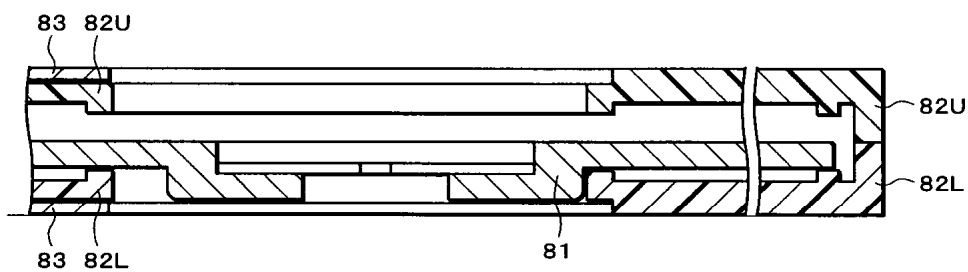
17b



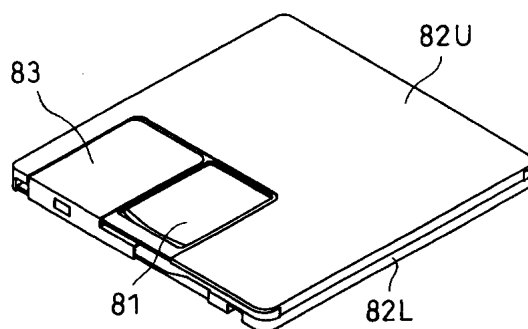
18

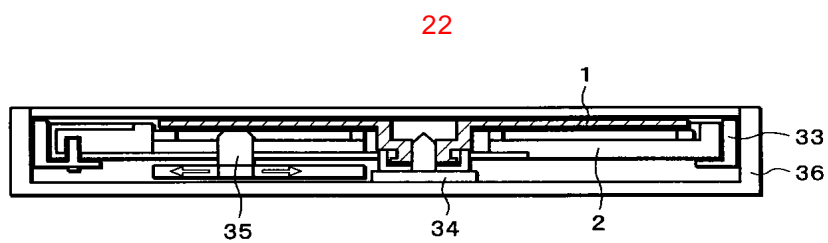
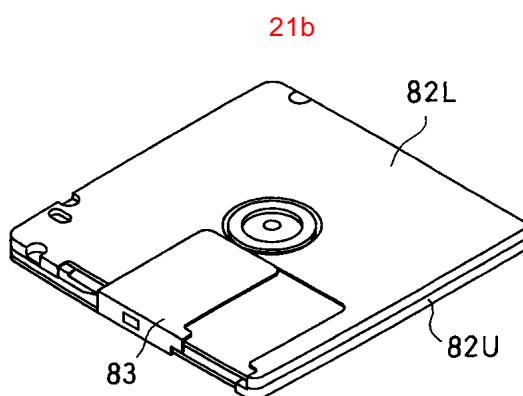
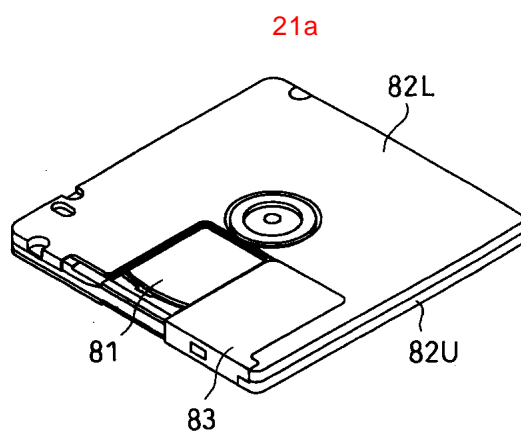
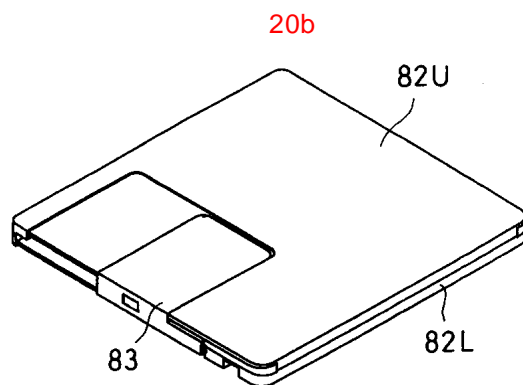


19

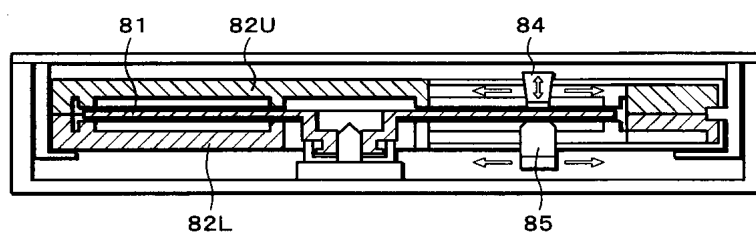


20a

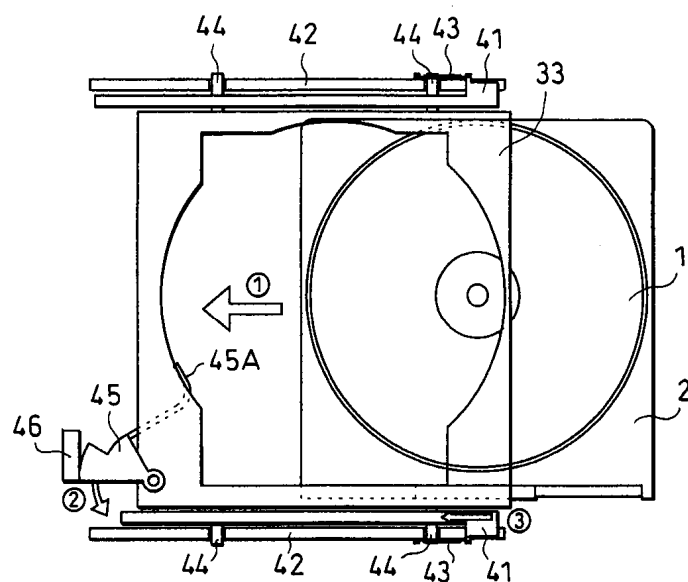




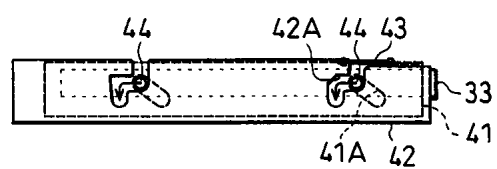
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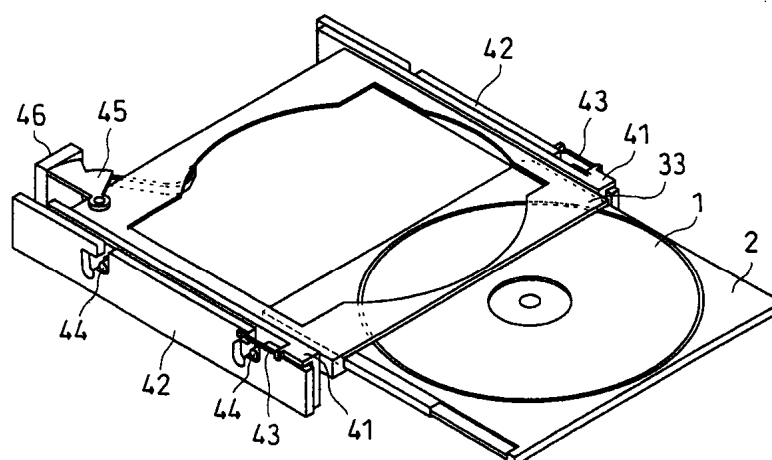
24a



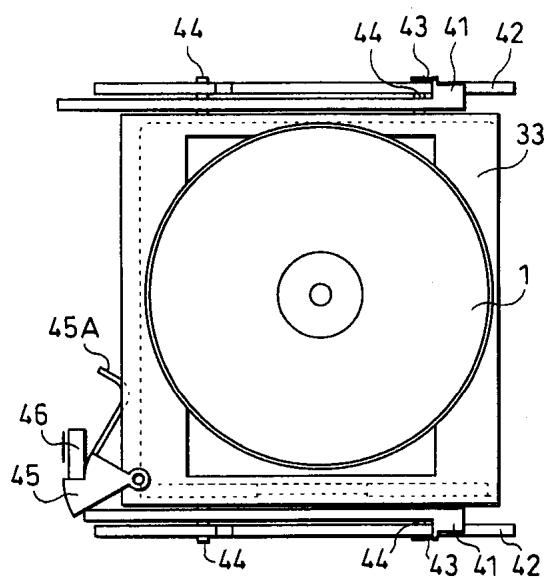
24b



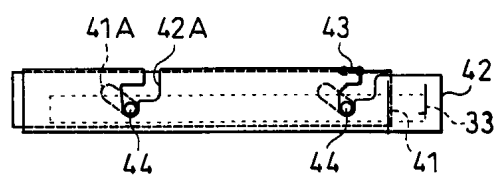
25



26a



26b



27

