

(19) (KR)
(12) (B1)

(21) 10-2001-0077182 (65) 10-2002-0046180
(22) 2001 12 07 (43) 2002 06 20

(30) JP-P-2000-00375127 2000 12 08 (JP)

(72) 5 45 104

2613-1-1005

가 가 2-20-1

(74)

100

(54)

도 1a, 도 1b

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 a-a' , 8b ,
 9
 10a 10b , 10b 가 , 10a 10b , 10a 10b , 10a
 가 , 11b 10a 가 , 11a 가
 12a 가 , 12b 12a a-a'
 13a 가 , 13b 13a a-a'
 14
 15a 가 14 a-a' 14 a-a' , 1
 5b , 14 a-a'
 16
 17a 16 B , 17b 17a A-A'
 18 가 , 17b 17a A-A'
 19
 20a 20b , 20a 가 , 20b
 가
 21a 21b , 21a 가 , 21b
 가
 22 14 b-b'
 23 19
 24a , 24b 24a , 24a 24b , 26b 26a
 25 24a 24b , 26b 26a
 26a , 26b 26a
 27 26a 26b

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 1 :
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(15)

(16) (3)

(16)
, ABS

가

(16)

(11)

フ

(16)

(11) 3 (21), (22) (23) (17), (18), (19), (20),
 (22) . LD(Laser Diode) .

LD(Laser Diode)

$$(23) \quad (3) \quad (15) \quad , \quad (3) \quad (20) \quad (22) \quad (2)$$

$$(21) \quad (22) \quad .$$

D, CD - ROM, DVD - ROM

(20) (22) (11) , (21) (20) (18) . (18) (1)
 가 (3) (19) (16) (15) (18), (19), (20)
 , (21) (23) 가 (21) (23)

가
가
가
가
가

가 , 가

$$(1) \quad , \quad (14) \\ \cdot \quad , \quad (11) \\ 10 \mu\text{m} \\ 00 \quad 1$$

4d

4a

(8),

(9)

(10),

(11),

(12)

가	(2)	(2W)가
2]	1	
,	,	,
,	1	,
,	(1)	(2)
10a 10b	(1)	(2)
,	10a 11a	(30)가 (2)
((2))	,	,
11a 11b	11a 11b	11b (30)가 (30)
,	,	,
10b (30)	10b (30)가 (30)	1a 1b (1) /
가 ,	가 ,	(1) / (1) (2)
,	12a 12a (30)가 a-a'	,
,	12b 12b	,
(1)가 ,	(1) ,	,
,	(31)가 ,	(32)가 (30) (30)가 (30)가 (32) 가
13a (31) (30)가 ,	,	,
13a a-a' ,	,	,
가 (1)가 ,	,	가 , 13b (2) 가 (2)
,	(30)가 ,	,
(31) ,	,	(1) (32) (2) 가
,	,	,
,	,	14
,	(36) ,	(34) (35) (35)
,	(36) ,	(36) (33) (33) (35)
가 ,	,	,
,	,	(33) (33) (36)
,	,	,
14 가 , 14	,	(33) (33) (33) (33)
(36) ,	,	15a , 15b (3) (3)
,	14 a-a' ,	,
3) (33) ,	(33) ,	,
,	14 a-a' (33) ,	,
6 , (33) ,	,	(30) (30)가 (30) (30)
,	,	,
17a , (30) ,	B , 16 B ,	16 (30) (30) 17b 17a A
-A' (38) , (2) ,	,	,
17a (38) , (30) ,	(38)가 (38A) ,	,
3) (38) , (38) ,	(38)가 (38A) ,	,
) (38) , (38) ,	(37)가 (38) ,	,
,	(30)가 (38) ,	,
17b (37)가 (38) ,	(33) (39)가 (39)가 (30) ,	,
(40) ,	,	,

, 1 (41) (43) , 1 (41) (44...) 2 (42)
(45)가 (46) , 1 (41) (44...)가 2 (42A...)
2 (42A...) , 1 (41) 1 (41A...)
(44...)가 2 (42A...) ,
, (33)
26a 26a . , 27 26a 26b 1 4a 4d
26b . , (33)가 1 (2) , (1)
(9) , 2 (30)
, (2) (1)
, (1) (9)

가 가

, 가 , 가 . 가

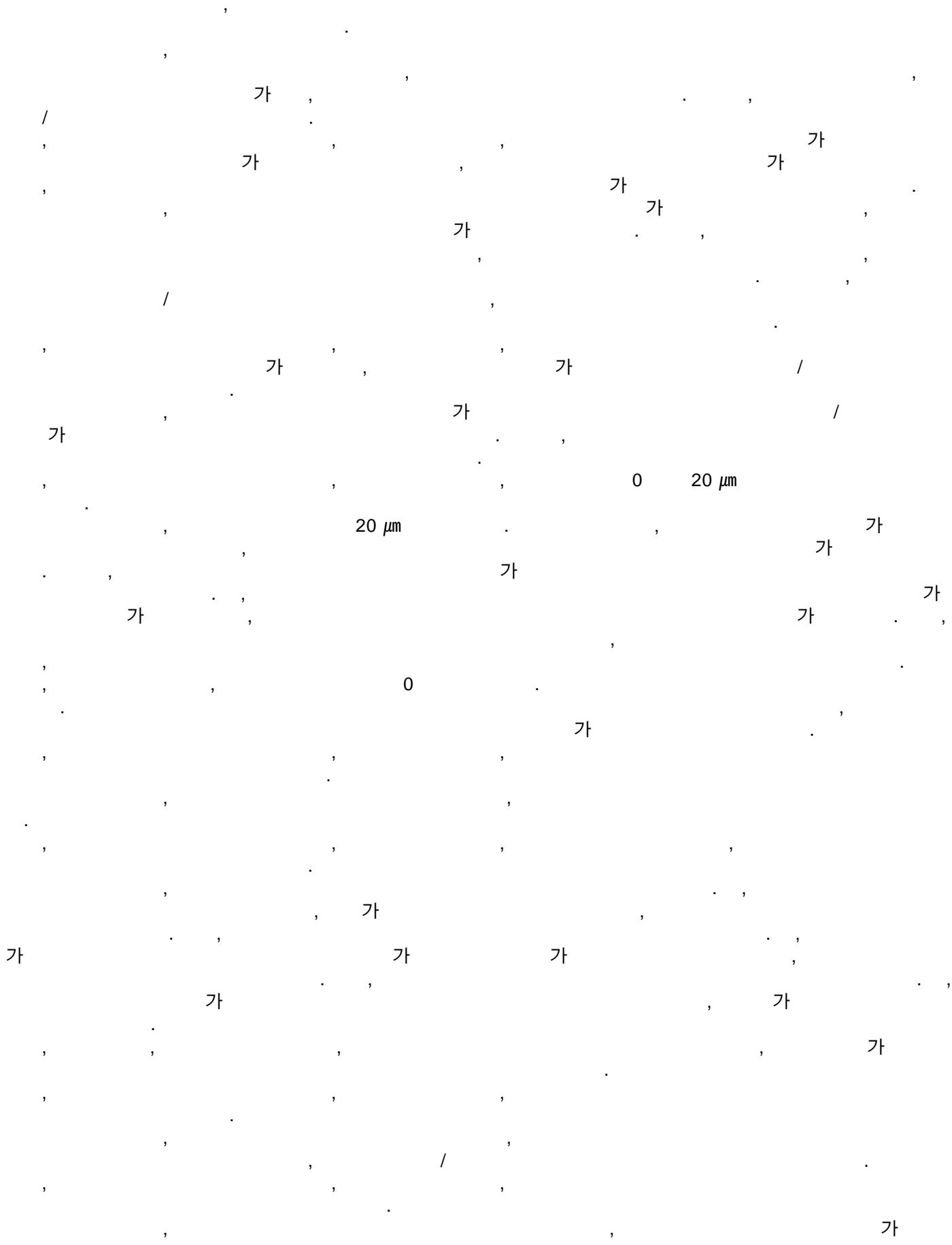
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가 , 가 , 가 , 가



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가

(57)

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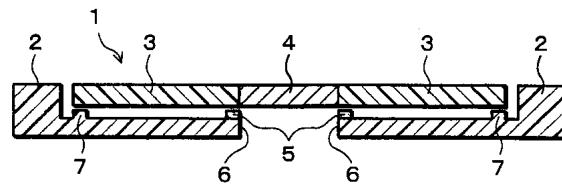
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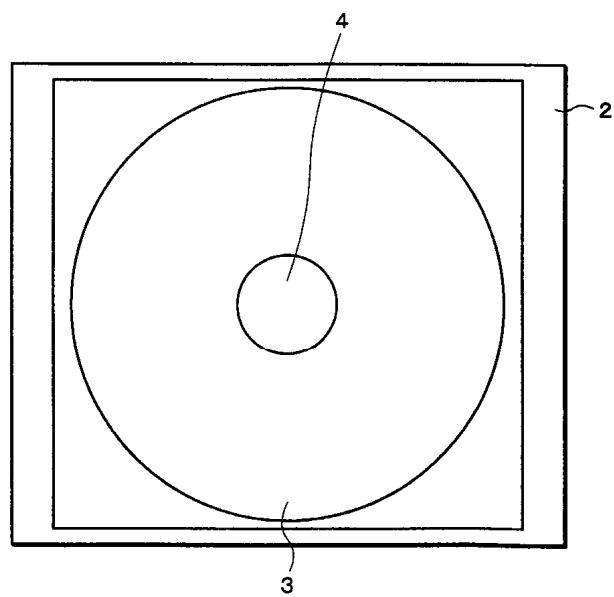
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36.

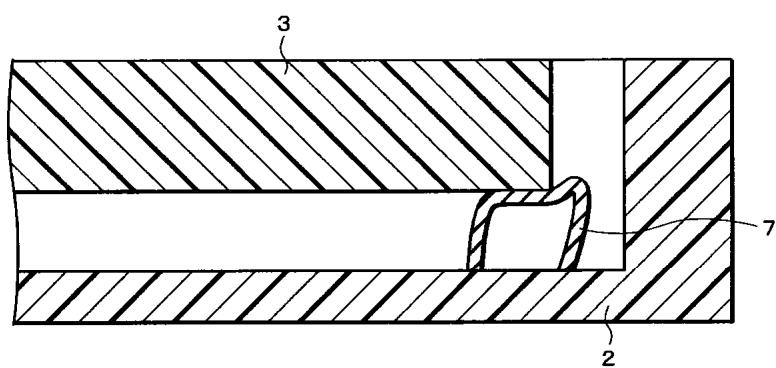
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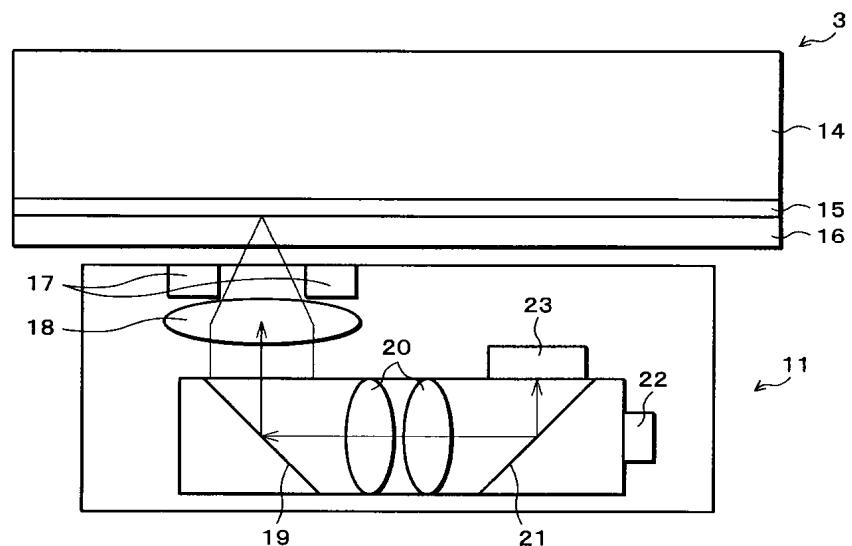
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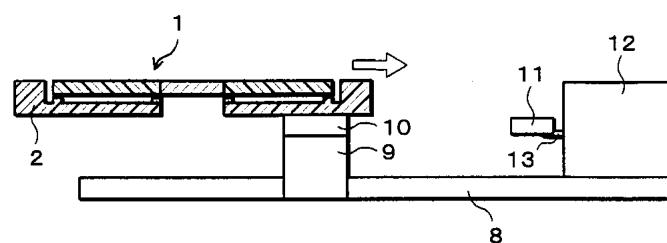
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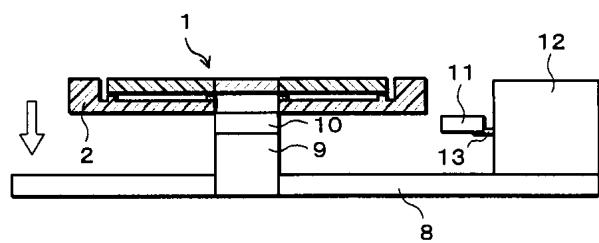
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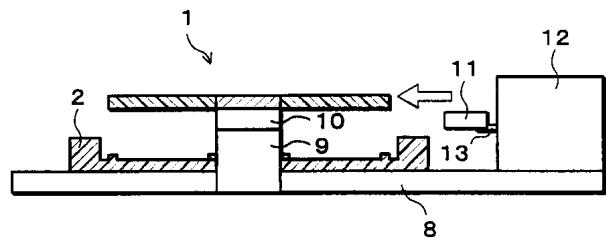
4a



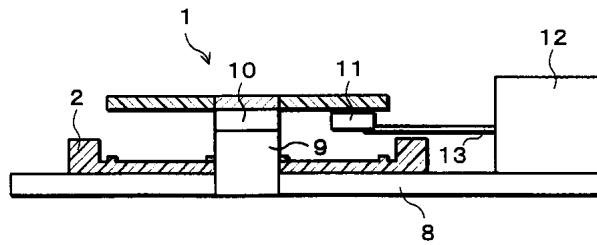
4b



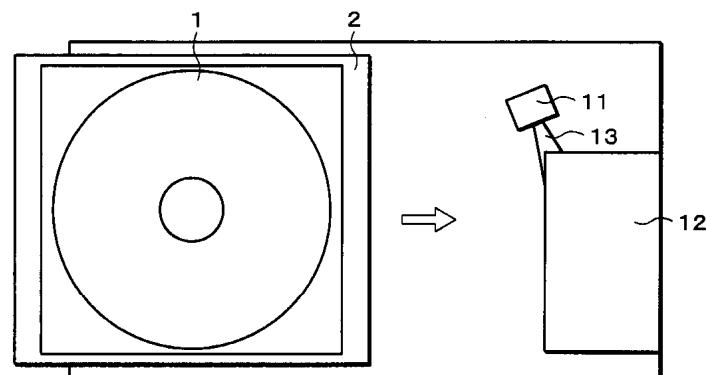
4c



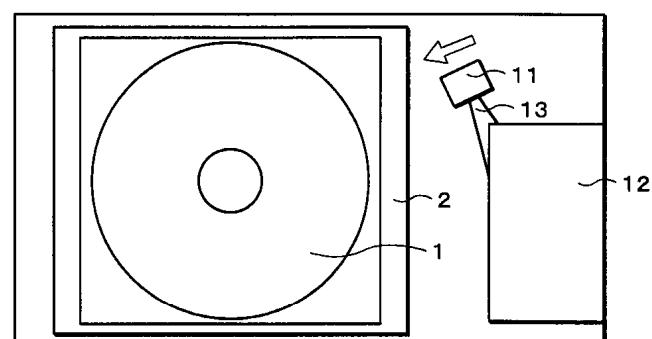
4d



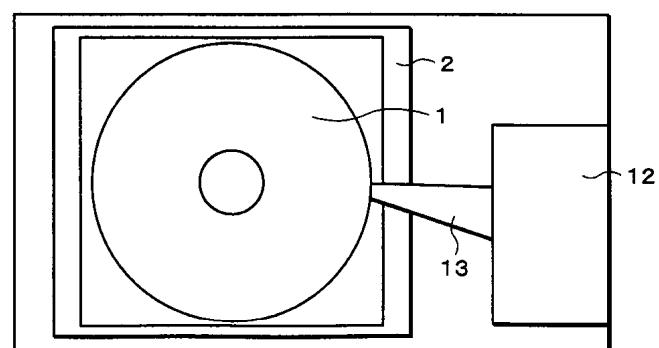
5a

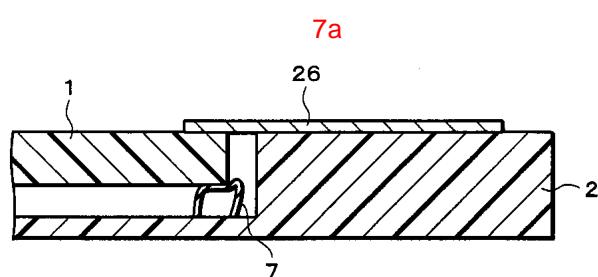
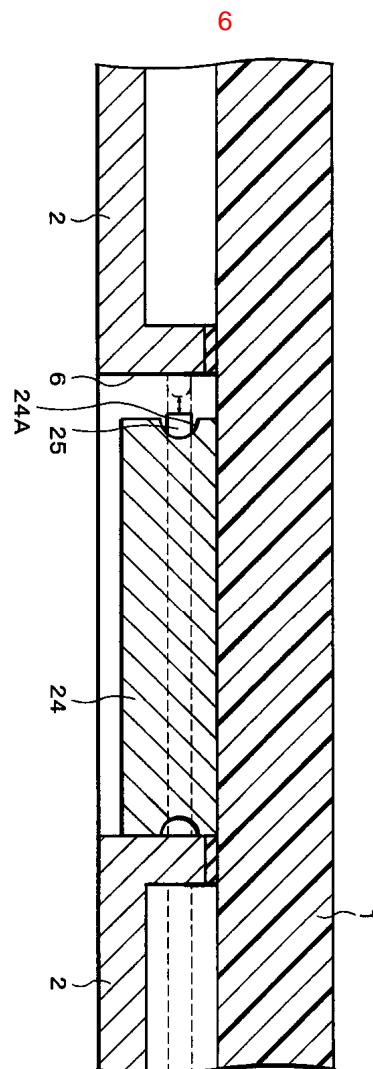


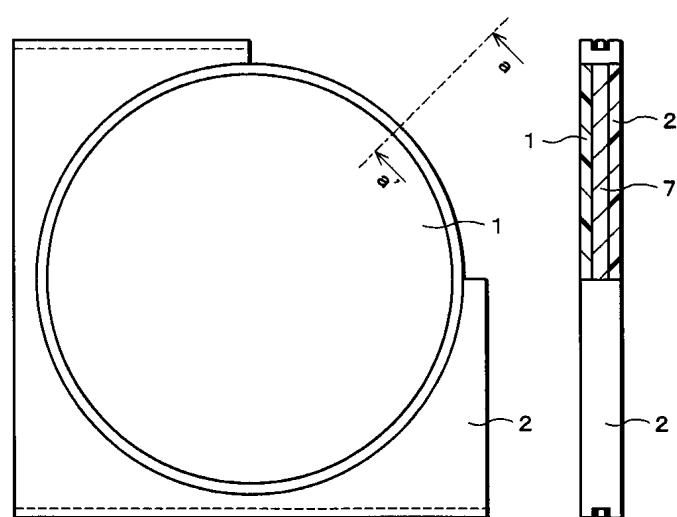
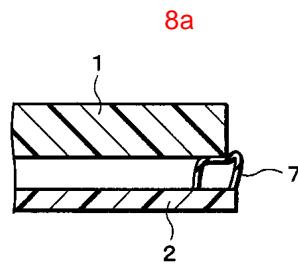
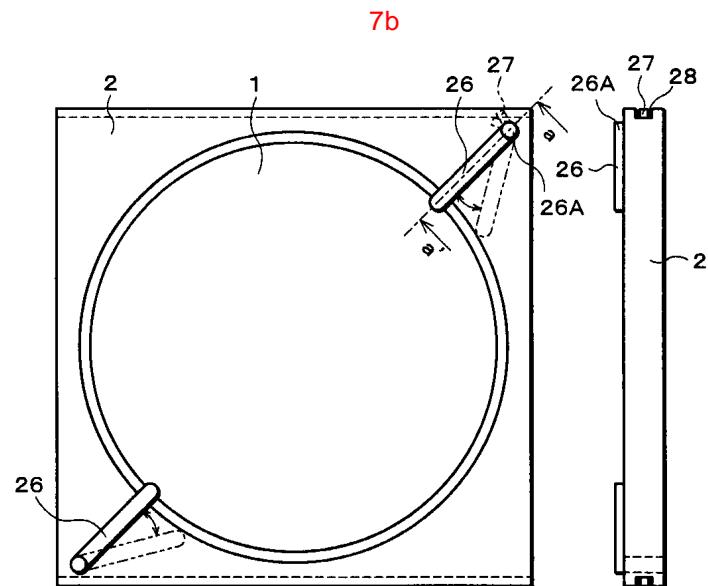
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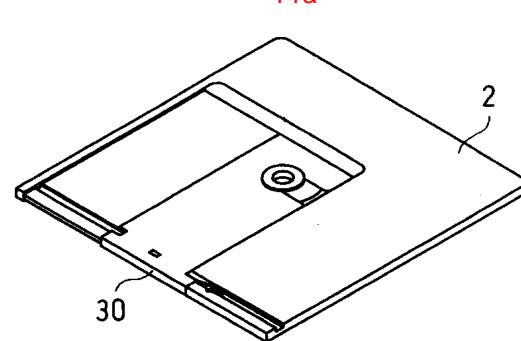
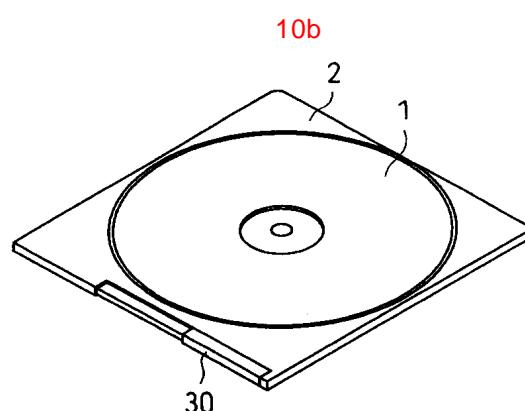
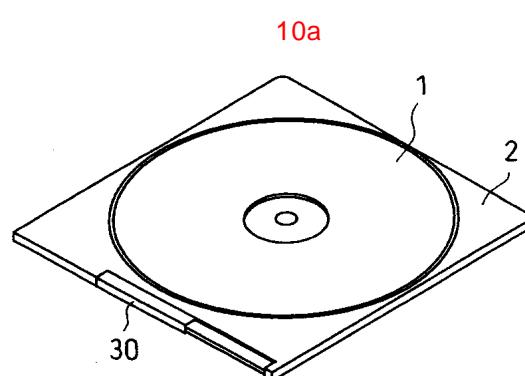
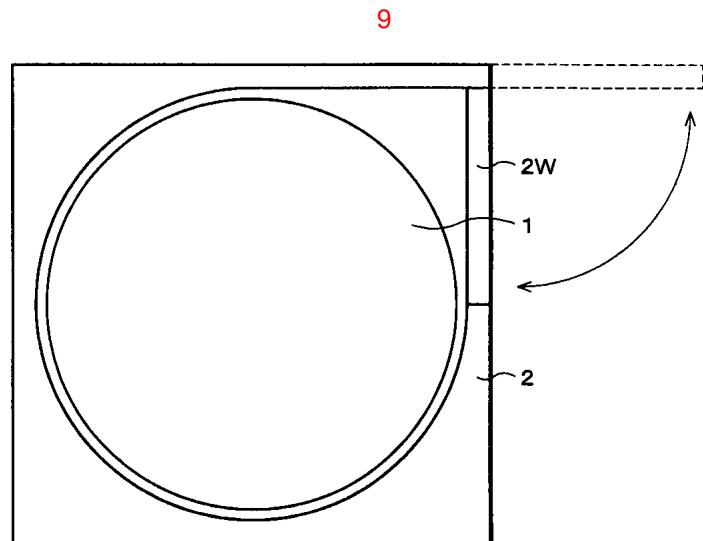


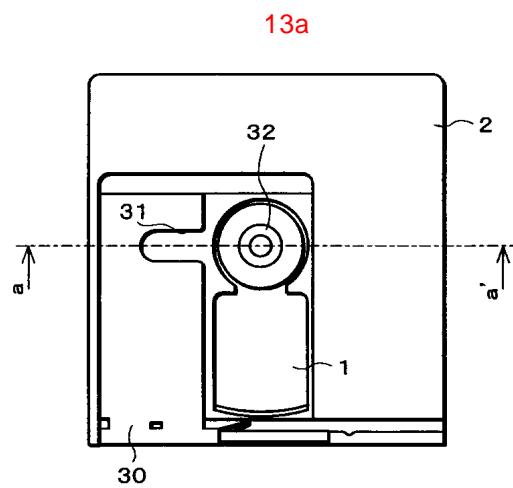
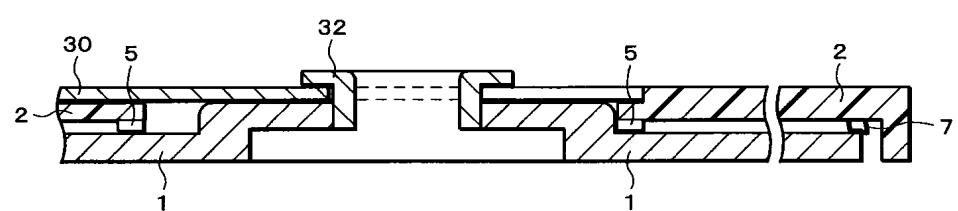
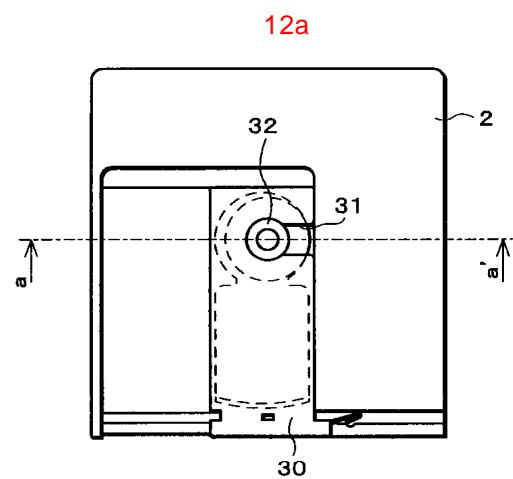
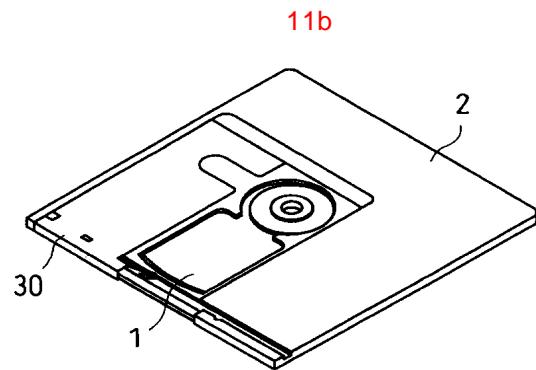
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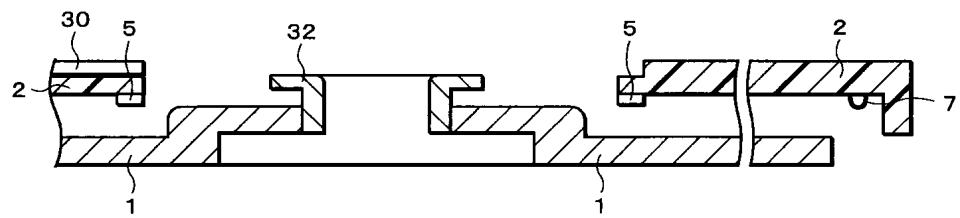




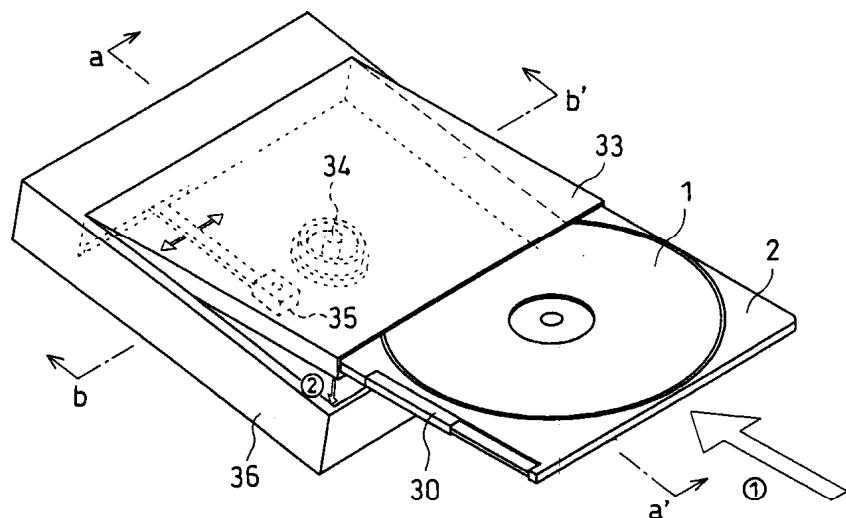




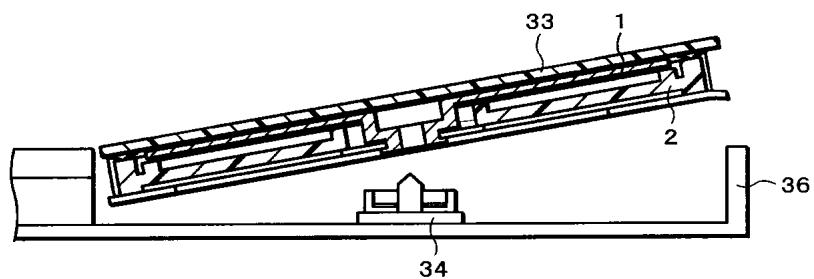
13b



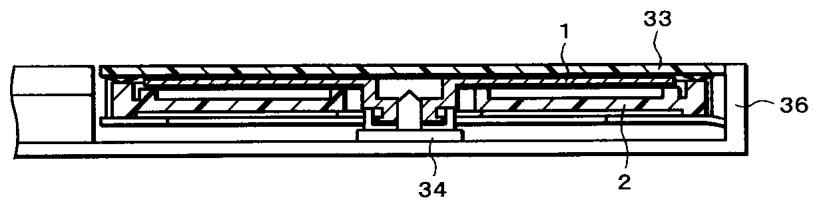
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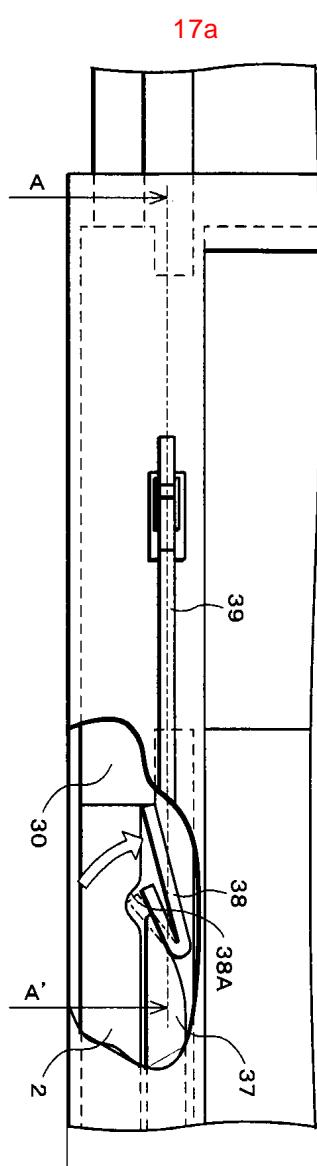
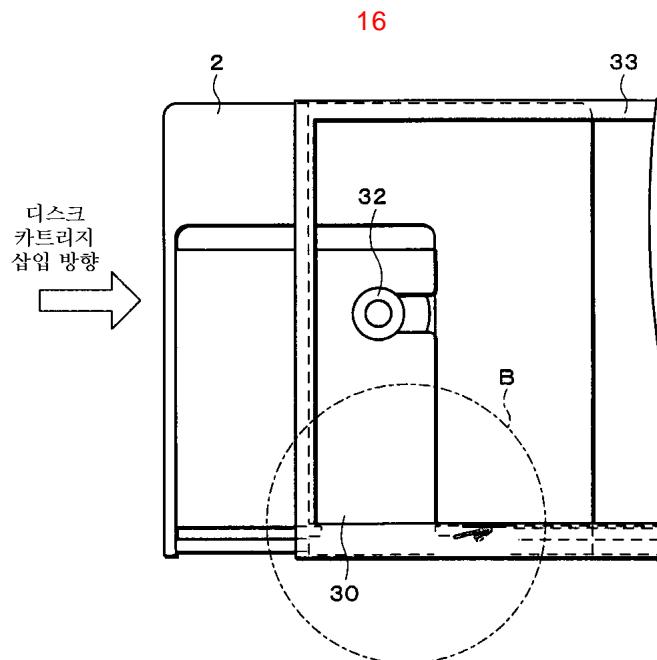


15a

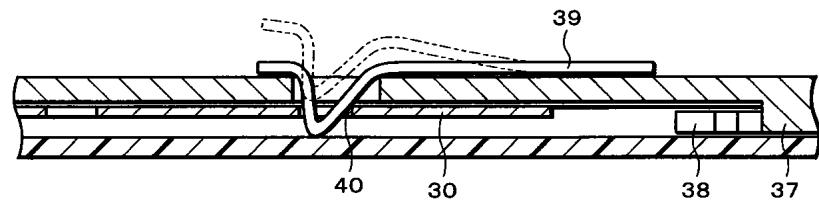


15b

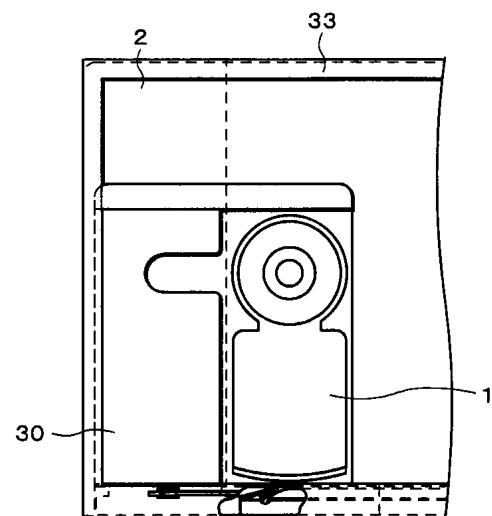




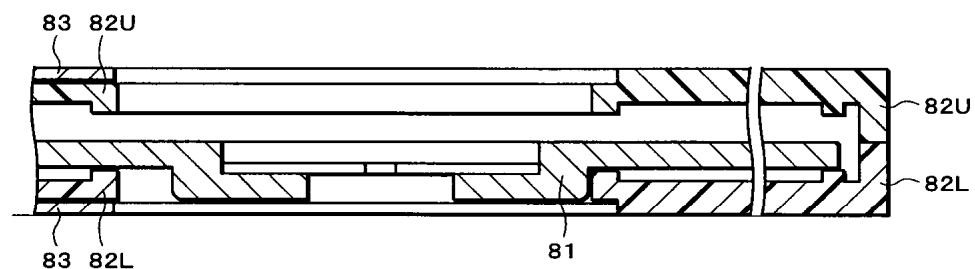
17b



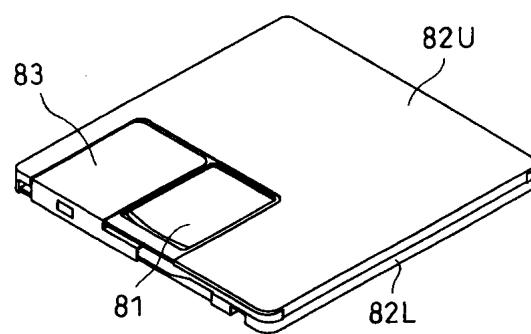
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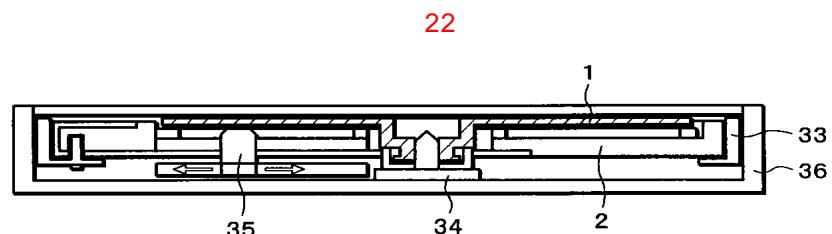
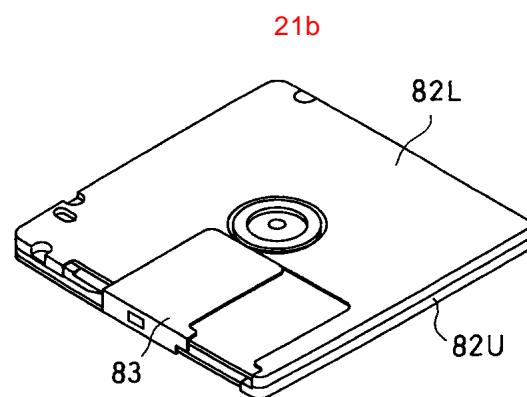
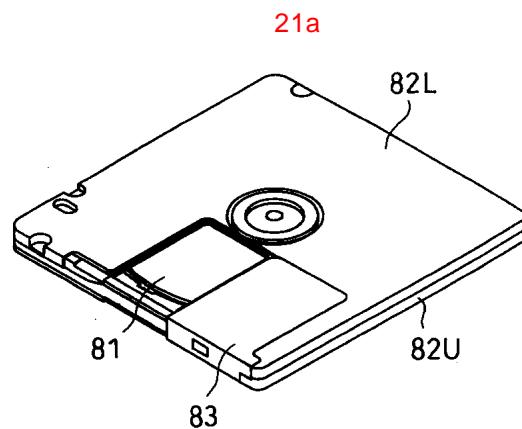
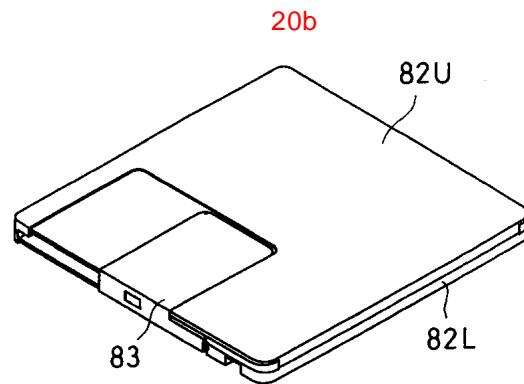


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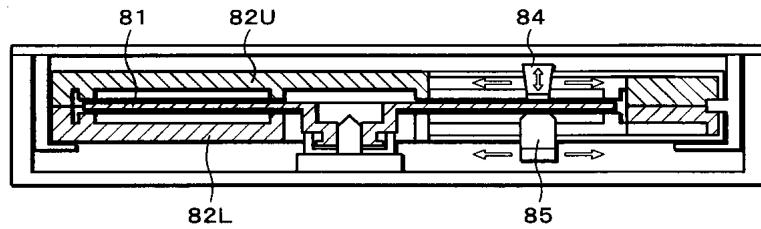


20a

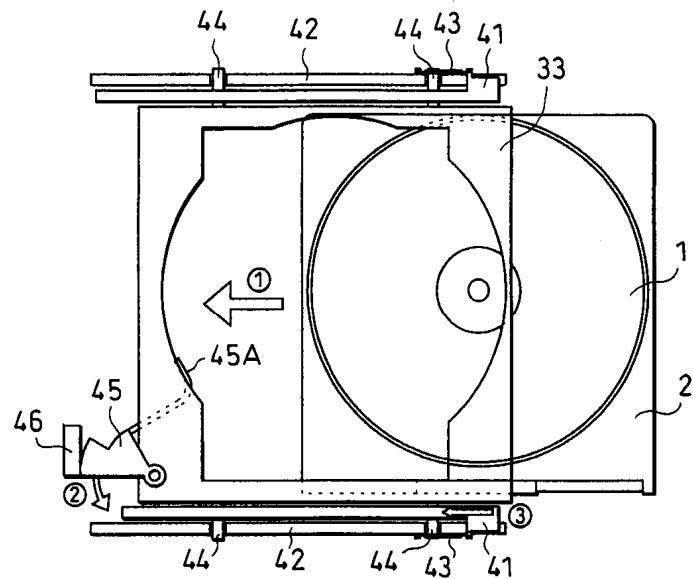




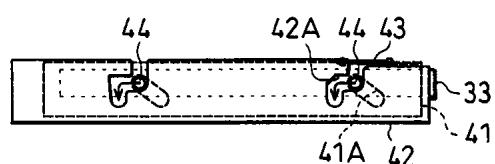
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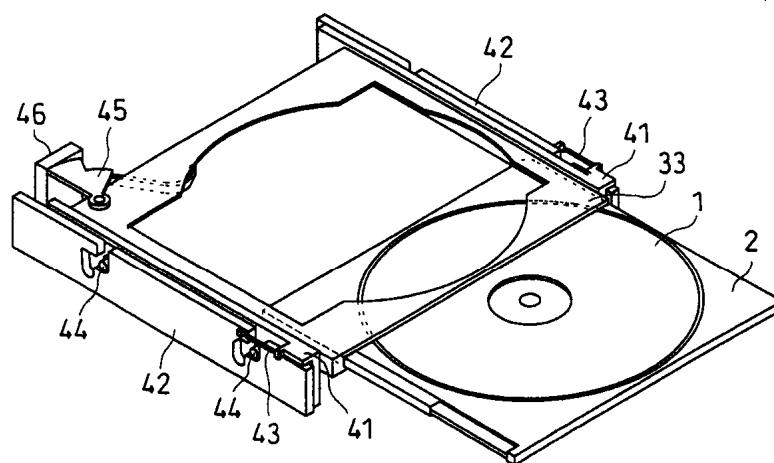
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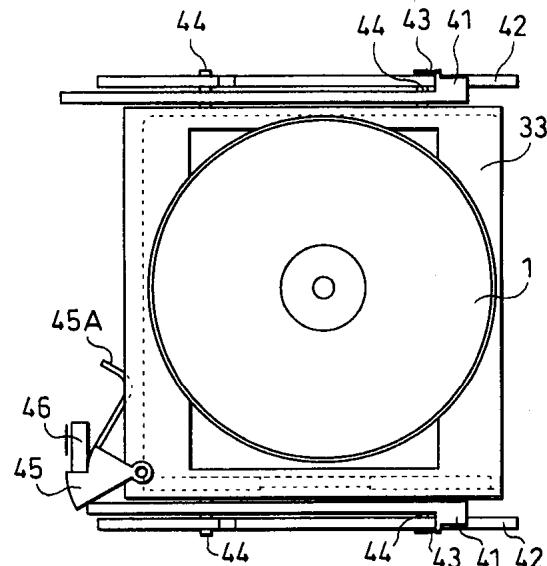
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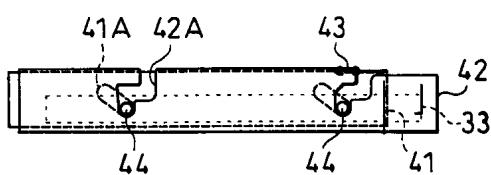
25



26a



26b



27

