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(71) 가 가 가 가 가 4 1 - 1  
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(72) 가 가 가 가 가 4 - 1 - 1 가 가  
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(74)

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(54)

9) (32) 가 (29) , (27) (57) (2)  
(58)  
(59) (29) (57) (59) .  
(59)

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2 1 2-2

3

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6 (描出)

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8 1

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13 1/3

14 2/3

15 1

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16 :

18 :

21 :

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23 :

24 :

26 : ( )

27 : ( )

28 : 1

29 :

31 : 2

32 :

47 :

51 : (verify)

57 :

58 :

59 :

61 : 1

62 :

63 :

71a, 71b, 71c :

72 :

73a, 73b, 73c :

74 : 1

76 : 2

82 : 3

86 :

95a, 95b, 95c :

96 :

96a, 96b, 96c :

, , (HDD) , ,

. 가 1 (周分) , ,

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가 . 가 가 .

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가

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가

가

3

가

(位相)

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가

가

(始點)  
가

(終點)

가

가

가

가

가

(專用) 가

가

가

1  
11) ,  
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(11)

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(13)

(15)가

動)

(17)  
(gimbal)

(12)

(表裏)

(16)

(16)  
( )가  
(12)

(16)가

(17)

(12)

(16) (直  
(suspension)  
(12)

(17)

(18)

, 2

(12)

(12)

(16)

(17)

(18)가  
(17)

(16)

3

(21)  
(23)

(ABS)

DR

(12)  
(24)

(16) ,

2

(23)

(22)  
(25, 25)  
(24)

(21)  
(25)

(21)

(1

2)

(22)  
(24)

(MR)

(26)

(12)

(27)가  
(28)

1  
(29)

RL

ABS

(26) ,  
(29)

1 (28)

(23)

(27) , , 1 (28) 2 (31) ABS (32)  
 (32)  
 2 (31) (18) (17) (12)  
 RL (29) (32) (13) (12)  
 (16) 1 2 (28, 31) (12)

4 (26) (12)  
 (MR) (33) (33) , (33)  
 (GMR) (TMR) (33) (36, 36) (  
 34, 35) (34, 35) (33) (33)  
 (29) W1, , 1 (28) (33)  
 (33) (12) RL (33)

(27) (26), , (34) (38)  
 (34) (34) (27), , (38)  
 (38) (34) (39) (38)  
 (34) , ( ) ( )  
 (32) W2, , 2 (31) , , (33)  
 (38) (38) (12) RL

(26) (27) , (29) 1 (28) (41)  
 (32) 2 (31) (42) (41) (42)  
 (12) , , TP  
 (26) (27) (振幅)

5 (11) , , (45) (45)  
 (11) (統轄) (46) (46)  
 , , MPU(

(46) (13) (47)가 ( )  
 46) (13) (47)  
 (46) (15) (47)  
 (13)

(46) (48)가 (48) (18)  
 , , (16) (18)  
 (12) (17)  
 (48) (49) (18)  
 (49) (33) (49)  
 (48) (12) (16)

(46) (51)가 (51) (26)  
 (49)

(46) (52)가 (52)  
 , 2가(價)  
 (53) (53) 2가  
 (27)

(11) (11) (12)가  
 (46) (46) (47)  
 (13) (13) (12)

(11) (11)  
 (12) (13) (47) (15)  
 (14) 가 (12) (13) 가  
 (13) 가 (47) (13)

(46) (12) (16)  
 (48) (18) (17) (1)  
 (12) (16) (16)

(46) (12) (53)  
 (52) (27) (27)  
 (53) 2가 (12)

(12) , 6 (55a, 55b)  
 (56a, 56b) (56a, 56b) , 2 (55a, 55b) 1  
 (57) (57) (57a) (55a, 55b)  
 (56a, 56b) (32) W2  
 (56a, 56b)

(46) (57) (29) (18)  
 (48) (17) (47)  
 (13) (13) (13) (12)

(26) 2 (56a, 56b) (57) .  
 (29) (57) 가 , 2 (56a, 56b) 가 .  
 , (29) (12) (57) (56a)  
 가 . (49) (48) .  
 (48) , , 2 (56a, 56b)  
 (18) . (17) , (26) .  
 , (29) (12) (57) , (56b)  
 가 . (48)  
 (18) . (26) . (29)  
 (57) .

(29) (57) , 7 (32) ( .  
 57) (57) (58) (58) (57) ( .  
 (56b) (55b) , (46) (12) 1  
 (59) . (53) (52)  
 가 (27) . (27) 2  
 (12) .

(12) (55b) (58) (59)가 .  
 (56b, 59) , 8 , 2 (55b, 58) 1 (61) (59) .  
 (32) W2 .

(13) 가 , (13) (14) (29)  
 (57) , (32) (58) .  
 (58) (56b, 56a) , (56b, 56a, 59)  
 (59)가 (12) ,  
 (57) 1 (61) TP가 .

(46) , 9 , 1 (61) (29) . ,  
 (13) (29) 2 (56b, 59)  
 1 (61) . (32) (58) (58)  
 (62) . 1 (61) (57) .  
 (12) (62) (63)가 .  
 (57) , N (58, 62, ...)가 . (58, 62, ...)  
 . (58, 62, ...) (59, 63, ...)가 .

(59, 63, ...) , (29) (59) .  
 (49) (33) .  
 (51) . (51)

(52) (相違)가 (51)  
 (46) (12)  
 (58, 62, ...)

(27) 1 (61) (59) (46) (63)  
 (58) (57) (29) (32) (58)  
 1 (61) (修復)  
 가 (12)

10 (11) (71a, 71b, 71c) (72)가  
 , ABS (72) 2 (31) ABS  
 (71a, 71b, 71c) (22) (23) (24) (71a, 71b, 71c)  
 73b, 73c) (73a, 73b, 73c) (73a, 73b, 73c)  
 73c) TP 1/3 (22)  
 가

11 (72) , 3  
 1 (74) (27) (26) (34)  
 (38) (38) (34) (71a) (38)  
 (39) (71a) W2 (38) (75) (38)

(75) 2 (76)가 2 (76) ,  
 (75) (77) (77) (78)  
 (78) (77) (79) (78) (77) ,  
 ( ) ( ) (71b) W2  
 (78) (78) (78) (78)  
 (38) (78) (81)

(81) 3 (82)가 3 (82) ,  
 (81) (83) (83) (84)  
 (84) (83) (84) (83) ,  
 ( ) ( ) (71c) W2  
 ( ) (84) (84)  
 (38, 78) (38, 78, 84) (84)  
 (=W1) (33)

(12) 가 (想定) .  
 (12) 가 (16) (12)  
 (13)  
 (46) , 1 (74)  
 (52) (53) 2가 (53)  
 (71a) 2가 가 1 (74)  
 (12) , 12 (86) 1  
 (87)  
 , 2 (87a) 2 (87b) (87a) ,  
 (12) (12) 가 (磁化)가 (87b)  
 (53) (46) 2 (76)  
 2가 2 (76)  
 (71b) 2가 (12)  
 (16) (71b) , 13  
 , TP 1/3 (86) (偏倚) (88) 2  
 (76) (88) 2 (89a) 2 (89b) (87a) (87b)  
 (89a) (89b) 1  
 (87a)  
 (46) 3 (82)  
 (53) 2가 3 (82)  
 (71c) 2가 (12)  
 (16) (71c) , 14  
 , TP 2/3 (86) (91) 3 (8)  
 2) (91) 2 (92a) 2 (92b) 1 (92b) (89a) (89b)  
 (92a) (92b) (89a) (86) 3  
 (93a, 93b, 93c)  
 (46) (86) (29) ( (93a, 93b, 93c)  
 (26)  
 (86) 가 ,  
 (29) 1 2  
 (29) 2 1  
 (29) (12) (8)  
 6)

(18) (29) (12) (17) (86) (26)  
 (18)가 (26) (29)

(29) (86) 15 (71a, 71b, 71c)  
 (86) (86) (95a, 95b, 95c) (46) 1  
 95a, 95b, 95c) TP 1/3 (86) (95a) 1 (74) , 1  
 (87b) (12) (87a)

(87a) (87b) (46)  
 2 (76) 2 (76) , 1  
 (89b) (95b) (12) (89a)  
 3 (82) , 1  
 (95c) (12) (92a) (9  
 2b) (86) 1 (96) 3 (96a, 96  
 b, 96c)

(86) (71a, 71b, 71c) (29)  
 (95a, 95b, 95c) (96, ...)  
 3 (96a, 96b, 96c, ...)  
 (87a, 89a, 92a) (87b, 89b, 92b) (12)  
 (96, ...) TP가 (86)  
 , N (96, ...) (96, ...)  
 (29) (96, ...) (96, ...) (96a, 9  
 6b, 96c, ...),

(11) (86)  
 (95a, 95b, 95c) (87a, 89a, 92a) (87b, 89b, 92b)  
 (86) 가 (95a, 95b, 95c) (12) 1  
 87a, 89a, 92a) (87b, 89b, 92b) (74, 76, 82)  
 1 3 (87a, 89a, 92a) (87b, 89b, 92b) (12) 1 3 (9  
 6a, 96b, 96c, ...)



- ( 12) 11 , .
- ( 13) 10 12 , .
- ( 14) , .
- ( 15) 14 , 가 .
- ( 16) 15 , 가 .
- ( 17) 15 , .
- ( 18) 14 17 , , .
- ( 19) 18 , , .

(57)

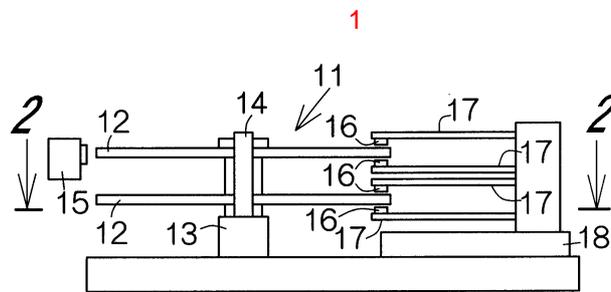
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2. , 1 2 1 .
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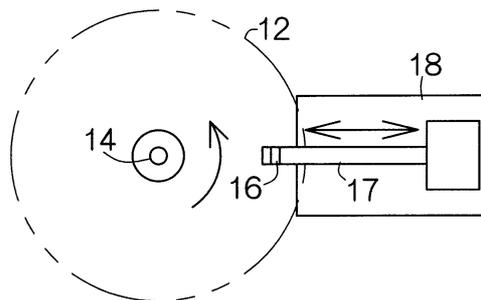
5.

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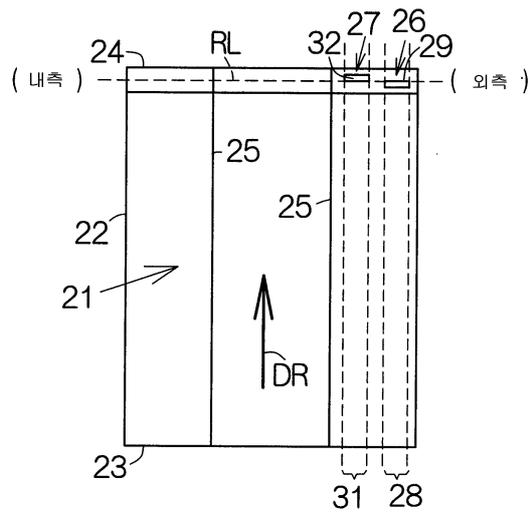
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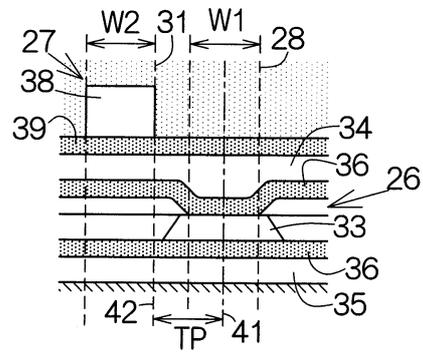
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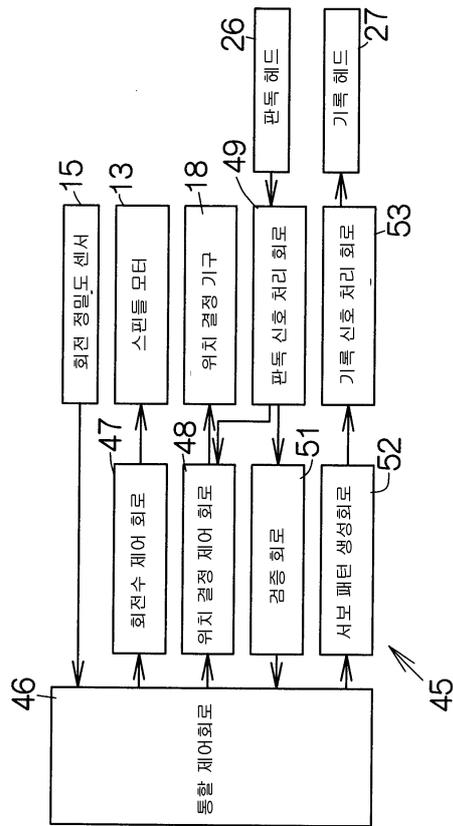
3



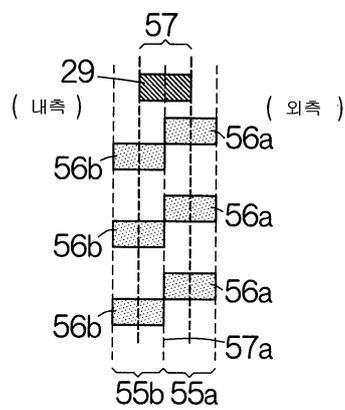
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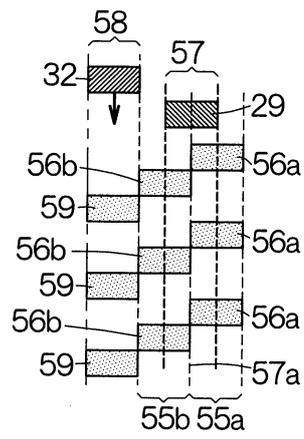
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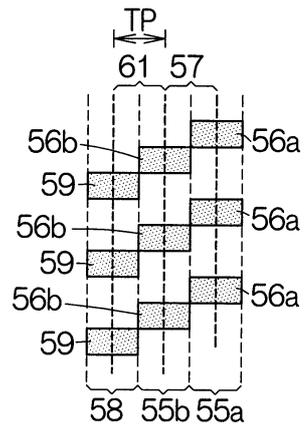
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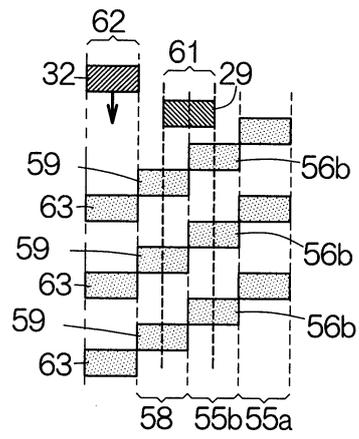
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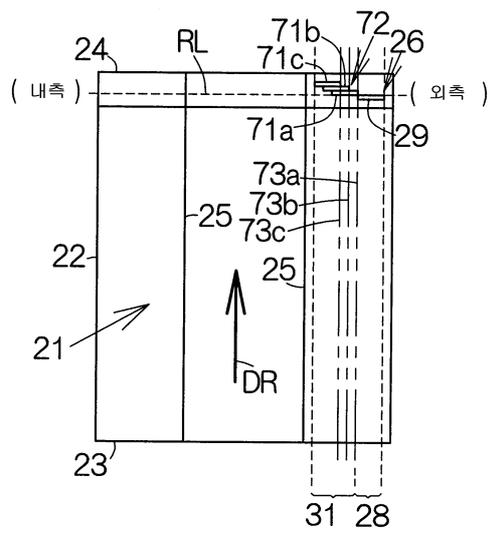
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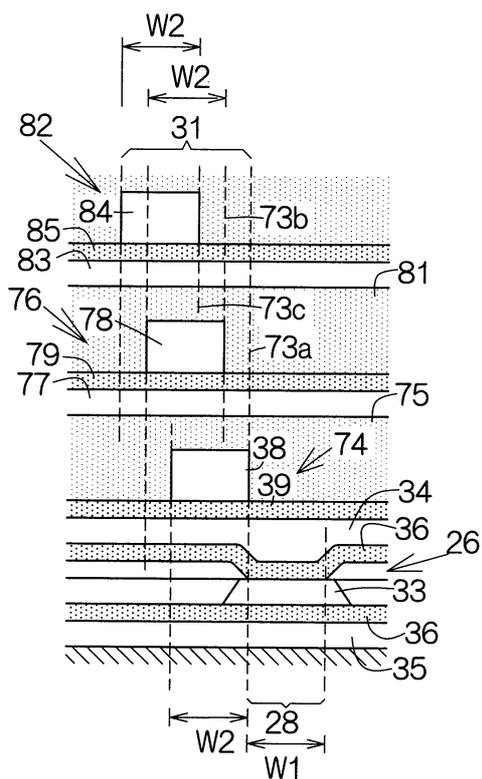
9



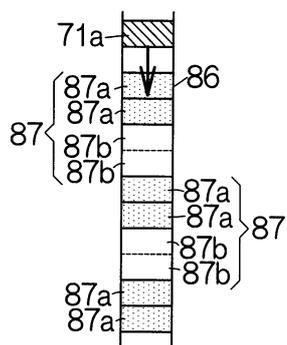
10



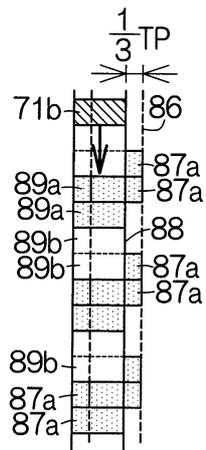
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