

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

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(21)	10 - 2000 - 7007896	(65)	2001 - 0034230
(22)	2000 07 19	(43)	2001 04 25
	2000 07 19		
(86)	PCT/JP1999/06409	(87)	WO 2000/31772
(86)	1999 11 17	(87)	2000 06 02

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(81)	: , , , EP : , , ,		
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(30)	10 - 330799	1998 11 20	(JP)
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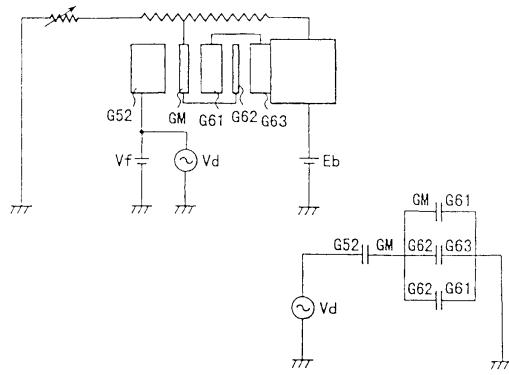
(72)	64 - 1	1 223
가	가	3501 - 95
	가	1739

(74)

:

(54)

62)	2 (G61,G63)	(G63)	,	5 (GM)	6 (G5)	(G6) (G62)	1 (G61), 1 (G62)	1 (G61), 1 (G62)	2 (G61), 2 (G62)
			가 ,				가	1	2



가

3

3

(10)

(11H,11V)  
(12)

(6)

1b

(6)

1a

(6)

, V

(12)

(13A), , H

(13B)

가

64 - 38947  
2  
(G1), 2  
(GM2), 6

K(R,G,B)

(G2), 3  
(G6)

(G3), 4  
. .

(G4), 5  
3 6

1  
(G5), 1  
3

(GM1), 2  
1

가

3

가 (Z) . Z 가 (V) . Z

3 3 5 가 .  
(Vd) (Vf)

M1) 4 (GM2) 6 (QL2), (G6) 4 (GM1) 2 (QL1)가 . 4 (QL2)  
 , . 4 (QL1) (ML)  
 4 (QL1 QL2) (CL)

3 3 (G3) 5 (G5) 가  
4b 4 (QL2) (CL)가  
,

5 , - 1 1 - 2 , 2 - 6 ,  
4 (QL2) (CL) , 4 (QL1) ,  
가 . . ,

, 7 - 147146  
 . 5 1 (G51) 2 (G52) . 3  
 2 (G52) 6 .  
 . 7 1 (G51) 2 (G52)  
 . 4 (QL3)

, 4 (QL3), (主面),  
가 ( ),  
가 .

, (ML) . , 4 (QL3)  
 4 (QL3) , Z  
 , (ML) .  
 , (QL3) (ML) . , Z  
 , (角)

(moire) 가  
가 14 가

, 64 - 38947 (ML)  
5 (G5) 가 1 2  
, 2 6 4 (QL1)  
,

7 - 147146 (ML)  
4 (QL3) . 4 (QL3) ,  
가 . 가 .  
, , , ,  
14 , , , ,  
가 ,  
.

가 , 가 , 3 4 (QL3) 3 4 (QL3)  
가 , 3 4 (GM1 GM2)

, 3 4 (QL3)

가

가

(GM1 GM2)

(GM1 GM2)

9a

, 9b 9a

가

가

(G5)

가

1

(G61)

(GM)

3

,

(ML)가

(G62)

,

(G62)

(GM)

(ML)

가

2

(G63)

3 4

(QL3)가

(GM)

(G5)

, 10a

(Vm)

10b

가

가

(GM)

$=1/2 \cdot Vd$

,  $Vm=C/2C \cdot Vd$

(G5) -

(GM)

Vd

, 10b

(G5)

가

(Vd) 50% (

(G5) -

(GM)

(GM)

-

(G6)

(G5)

가

)가

가

가

, (G5)

가

(Vm)

$Vm=C/4C \cdot Vd=1/4 \cdot Vd$

가

(Vd) 50%

25%

(Vm)

-

$Vm=C/4C \cdot Vd=1/4 \cdot Vd$

가

(Vm)

50%

(Vm)

-

$25\% \text{가}$

25%

50%

50%

(GM)

50%

3 4

(QL)

가

, 11b

1 (G61),

2 (G63),

(GM)

가

(G62)

DY

13a DY

, 13b DY

가

,	13a	DY	,	13a	(V)	,	13b	DY	,	13b	DY
	DY	가					DY			(LV),	(H)
.			(LH)			,					
,		13b				,	DY				
,			(V)		(LV')					(LH')	
,						.			,	DY	
	DY					,					

, DY

가

가 (

)

1

1

가

,

간

1

가

1

2

가

1

1a 1b

2

3 2



, 10a (Vm) 가 가 , (GM)  

$$Vd = C_2 / C_1 \cdot Vd = 1/2 \cdot Vd$$
  

$$(C) . , (GM) (G5)$$
  

$$Vd = 50\% (G5) - (GM) (G6)$$
  

$$Vd = 50\% (G5) - (GM) (G6)$$

9a 가 가 . , (GM) (Vm)  $V_m = C/4C \cdot V_d = 1/4 \cdot V_d$  (Vd) (G5) 가 (Vd)  
 d) 25%가 .  
 50% 25% ,

(GM) 3 4

가

, 2

(1) (2) . (1) ( ) (3) (4)

$$(2) \quad \begin{matrix} & (5) \\ 3 & (6B,6G,6R) \end{matrix} \quad \begin{matrix} \text{가} \\ , \quad Z \end{matrix} \quad \begin{matrix} (7) \\ , \quad H \end{matrix} \quad . \quad \begin{matrix} 3 \\ . \end{matrix} \quad \begin{matrix} (6)(B,G,R) \\ (7) \end{matrix}$$

$$(2) \quad , \quad Z \quad , \quad V \quad ) \quad ( \quad , \quad H \quad )$$

,

(7)

(7) , 3 (6B,6G,6R) (8) (3) 3

,

11a

11a  
 G1), 2 (G2), 3 (G3), 4 (G4), 5 (G5), 3 (K)(B,G,R), 1 (GM), 6 (G6)

(C)

3 (K)(B,G,R)

1 (G1), 3 , 3 (G3), 2 (G2), 3 (G3), 1 (G2), 2 (G4)

, 3 3 (G5) 4 (G4) 2 3 (G3) 4 (G4)

5 (G5) Z 4 (G4) 1 (G51) 2 (G52) 1 (G51) 4 (G4) 12a 2 (G51) 2 (G52) 3 V

2 (G52) 1 (G51) 12b 3 H

, (GM) 12c 3

(GM) , 12c 3

6 (G6) Z 1 (K) 1 (G61) , 1 (G61), 12c (G62)

2 (G63) 3 , (GM) , (G62) (G62)

12b 3 H

2 (G62) , 12c 3  
 (G63) (G62) 2 (G63) 3 H

가 , 1 11a 3 (K)(B,G,R) 100 150V (EK)  
 800V (G1) 2 (G2) 4 (G4) 600  
 EC(2) 가 3 (G3) 5 (G5) 1 (G51)  
 가 6 9kV (Vf) 가

5	(G5)	2	(G52)	6	9kV	(Vf)			.
						(Vf+Vd)	가		.
6	(G6)	1	(G61)	2	(G63)		, 25	30kV	,
(Eb)	가	.	(GM)	6	(G6)	, 1	(G62)	가	(100)
	2	(G52)	가	.	.		(G61)	가	.
GM)									.
11b	5	(G5)	2	(G52)	6	(G6)	1	(G61)	.
				(ML)	.	,			.
11b	4	(QL2)	,	(GM)	1	(ML)	2	(G52)	(GM)
			,			(G61)	4	(QL1)	(QL1)
4		(QL2)		(ML)	.	,	, 4		.
,			,			,			.
,	1	(G61),		(G62)	2	(G63)	,		4
(DYL)						,			.
(QL4)가			.						.
,	11b	,	,	,	, 1	(G51)	2	(G52)	.
(Vd)	2	(G52)		,			4	(QL3)가	.
,	4	(QL1	QL2)	,			.		.
11a									.
2	(G52)	,	가	1	(G61)		가	5	(G5)
(GM)							.	3	,
		(ML)가	.						.
2		(ML)		1	(G61)	,			.
		(G63)			(62)	,		(G62)	(GM)
,			,				,		.
(GM)			,						.
2		(G52)		2	(G52)	1	가	(Vd)	.
			,						.
		가	.						.

4 (QL3) ( $\vee d$ )

(Vd) , 4 (QL3)

(Vd)

, 10a 10b 가 가 , 5  
(G5) - (GM) (GM) - 6 (G6) 가 가 , (G)  
M) (G5) 가 (Vd) 50%가 . , 9a  
9b 가 가 ,  
(GM) 가 (Vd) 25%가 . ,

, 11b , (ML) 1 (G61) , (G61)  
2 (G63) , (G62) (GM) (QL4)가 .  
(G61) 2 (G63) (G62) (GM) (QL4)가 .  
(QL4) ,  
(DYL)

，  
(DYL)





QL3), . . . , QL3), , , , , .

4 (QL3) (Vd)

가 (Vd) , 4 (QL3)

, 가 (Vd)

(Vd) ,

,	(ML)	(GM)	(Vd)	
		가	.	,
(QL3)		,	.	
		가	.	,

, 11b (ML) 1 (G61) , (G61)  
                   2 (G63) (G63) , (GM) (QL4) ,  
                   (G61) 2 (G62) (QL4) ,  
                   (QL4) , (DYL) .

, 2  
(DYL) . , 가

, 가 가 14

, 15a 15b 2 (G63) (G62)  
 , (G) (R) 15c 15d ,

(S), (R) , (R) , (G63) , (G62) (R) 14 (A)  
 2 , (R) 15c . 15a

, (R) 14 (B) , 2 (G63) (G62)  
 15b , (R) 15d

, 14 (A)

15a 2 (G63) (G62)  
(R), 15c

14 (B)

15b 2 (G63) (G62)  
(R), 15d 15c

14

(DYL) 가

가

가

2

6

(G6)

(G62)

5

(G5) 2

3

가

가

(57)

1.

1

가

가

1

가

1

2

가

1

1

2

1

2

,

가

2.

1

1

2

3.

2

4.

2

3

,

5.

4

,

3

가

6.

5

,

7.

1

,

가

1

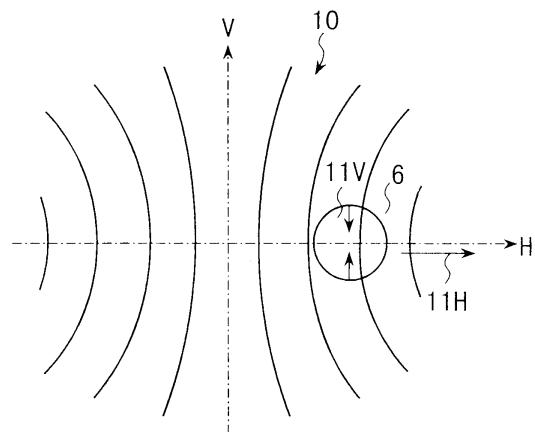
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1

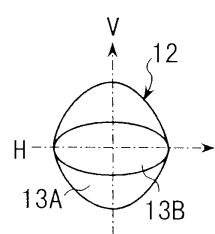
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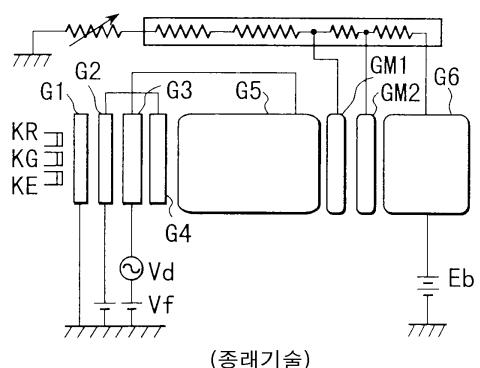
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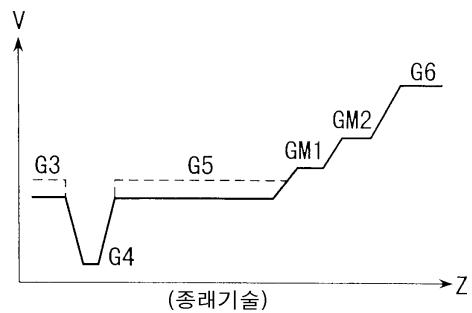
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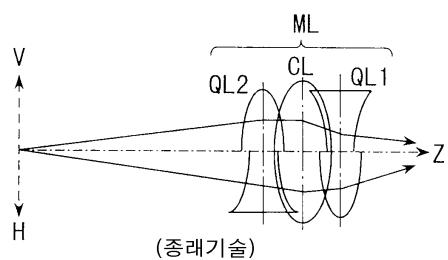
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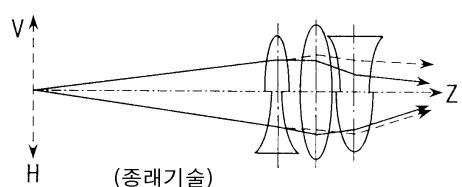
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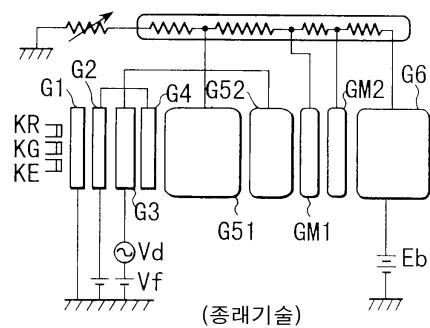
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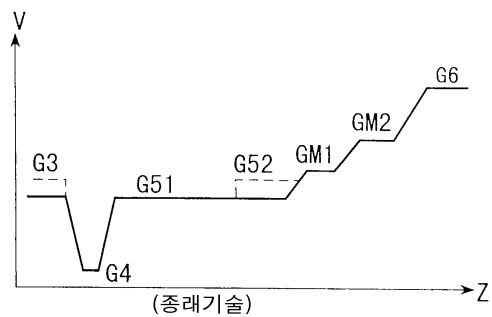
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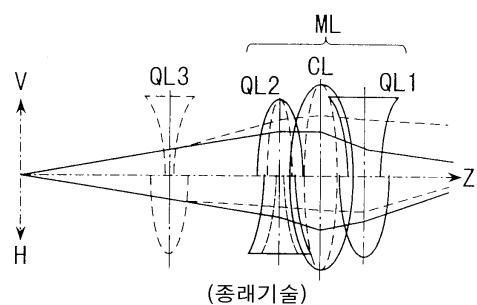
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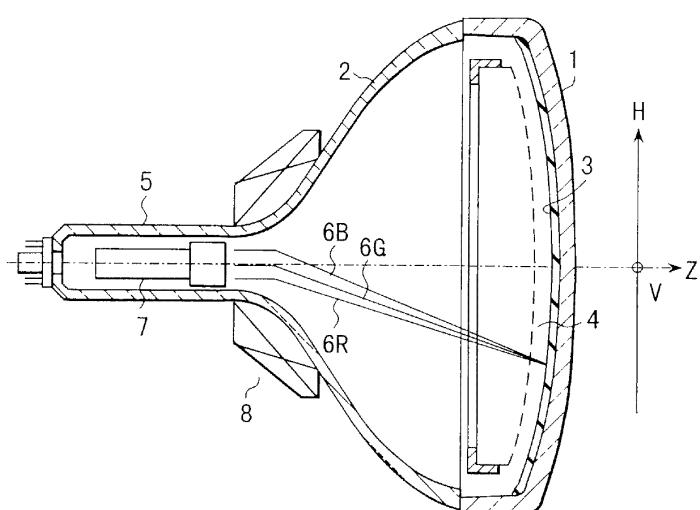
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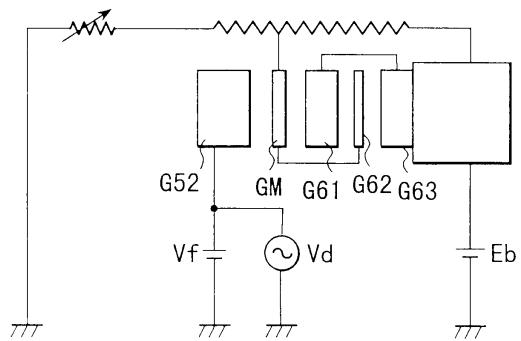
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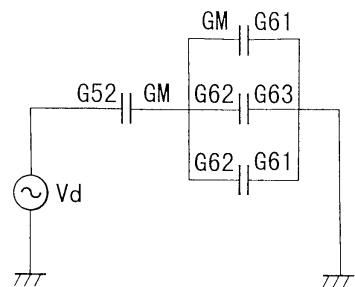
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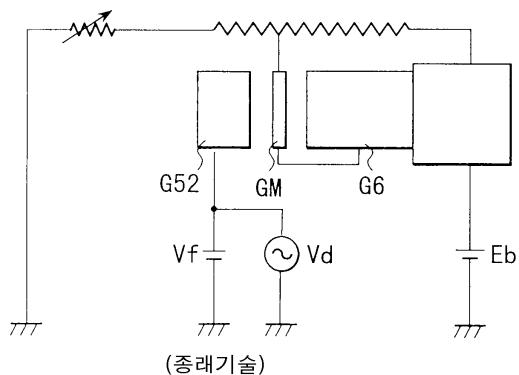
9a



9b



10a

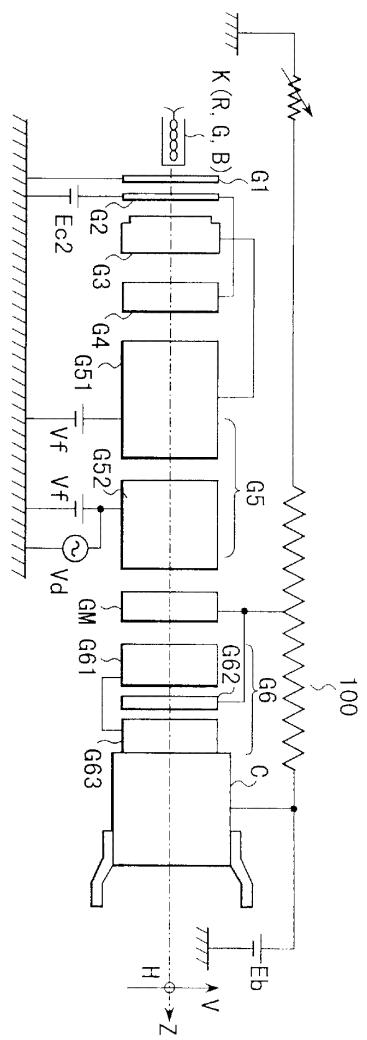


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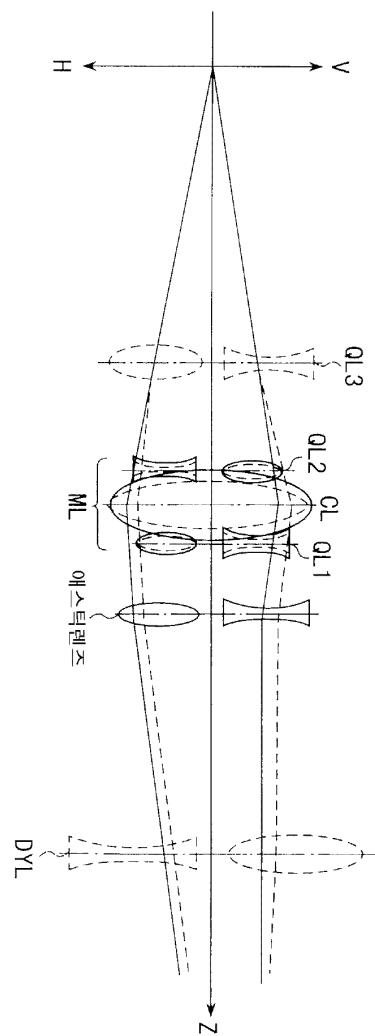
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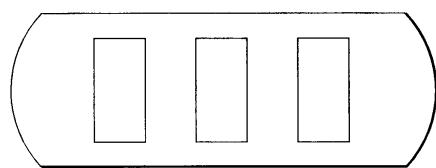
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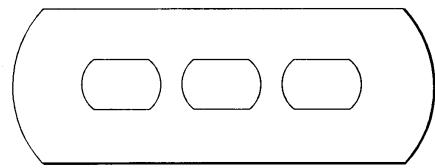
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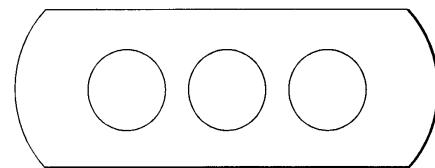
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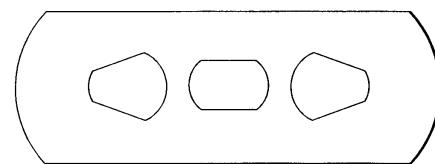
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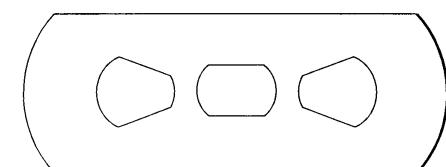
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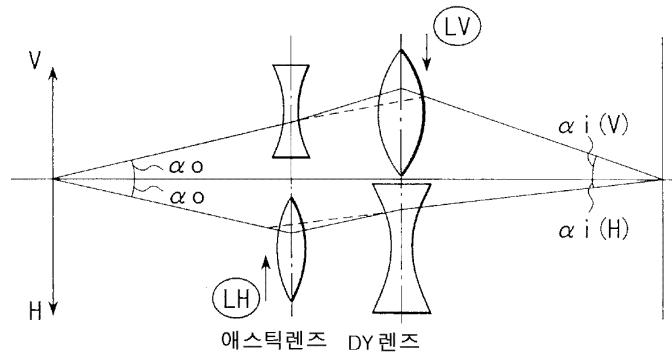
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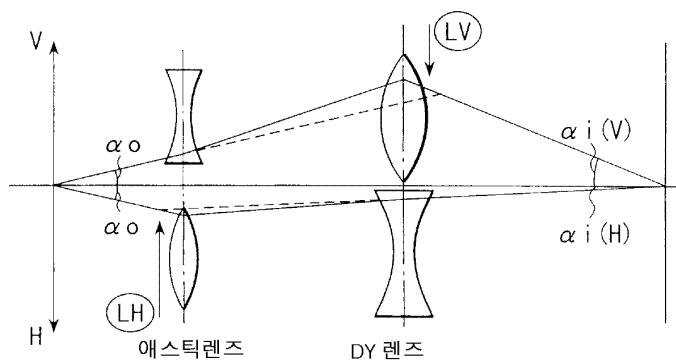
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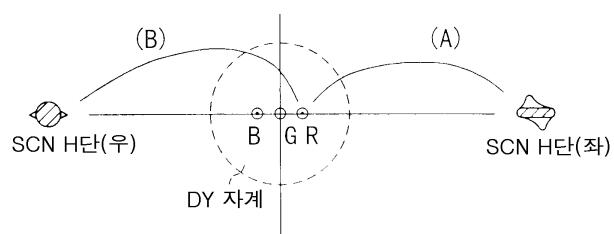
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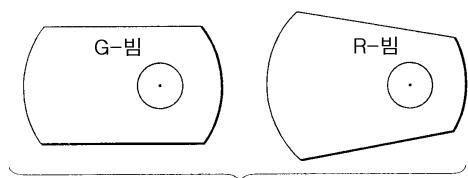
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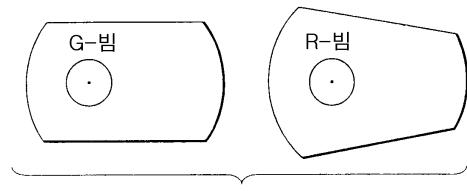
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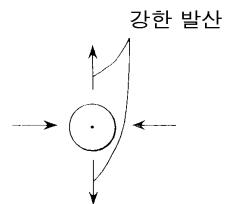
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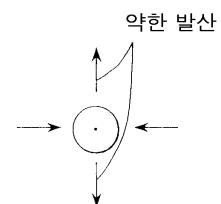
15b



15c



15d



16

