

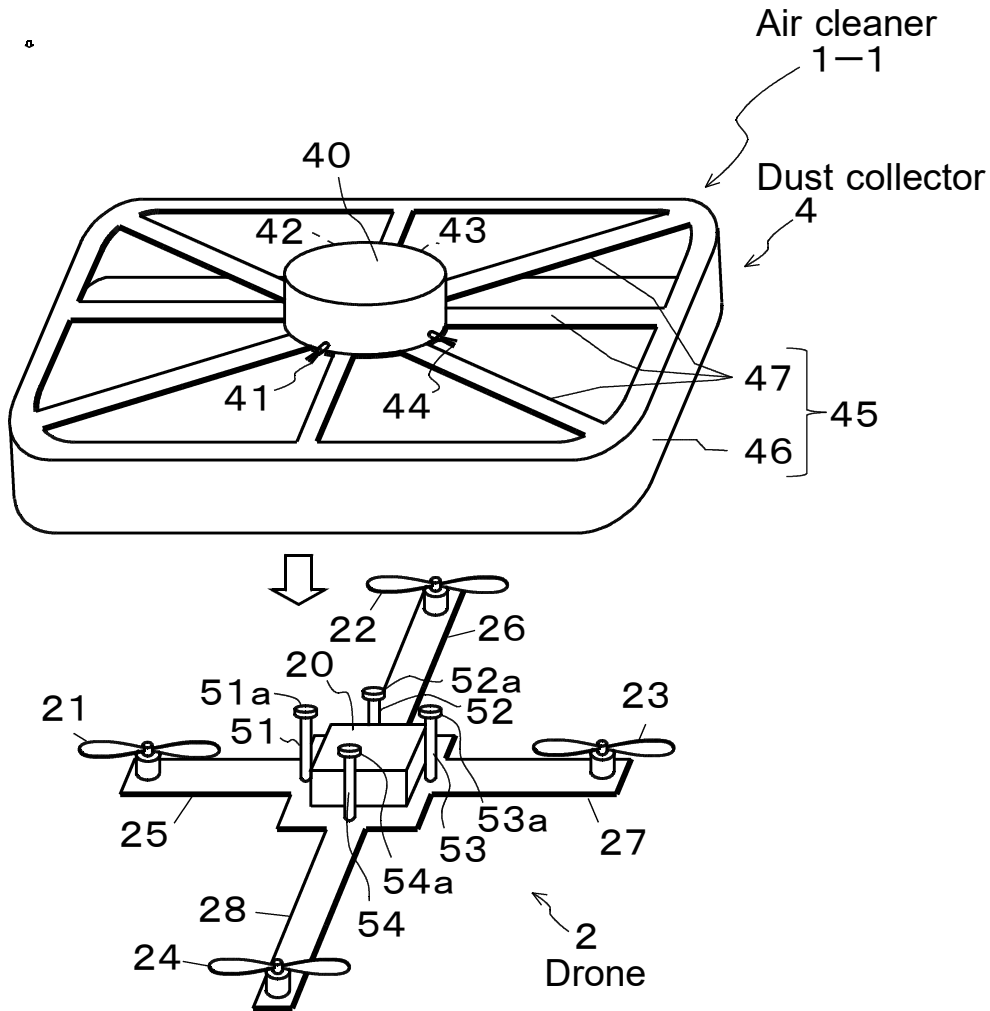


Fig. 1

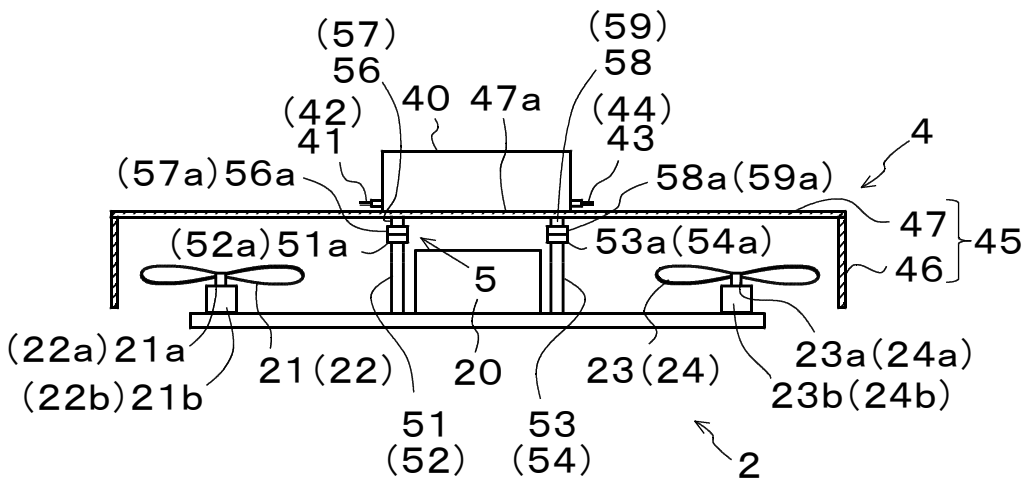


Fig. 2

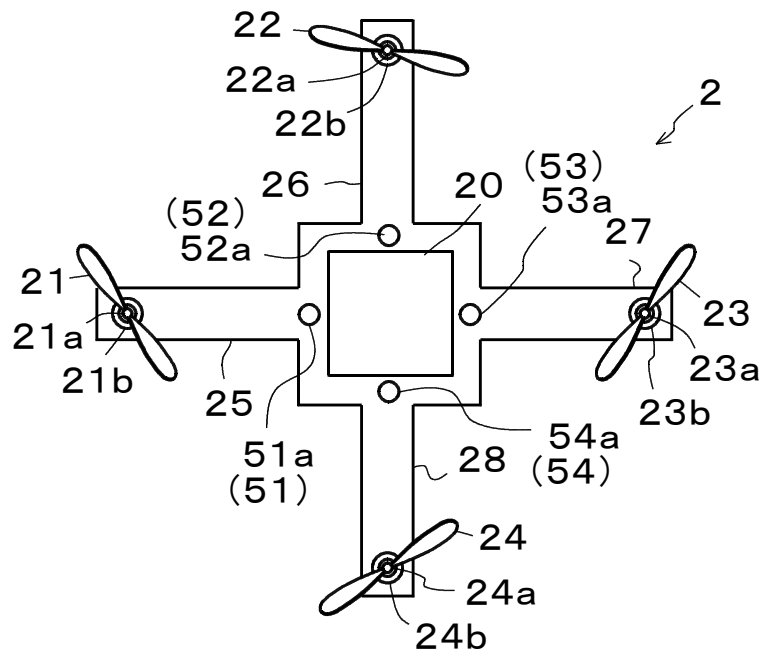


Fig. 3

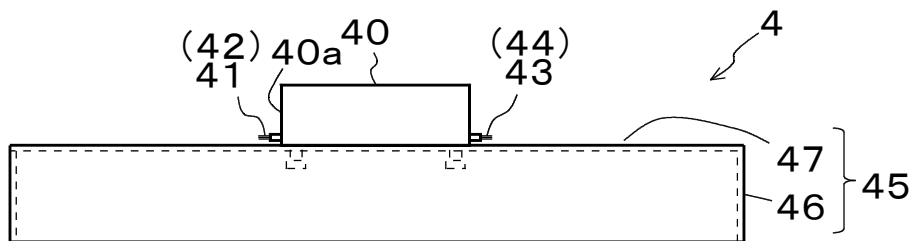


Fig. 4

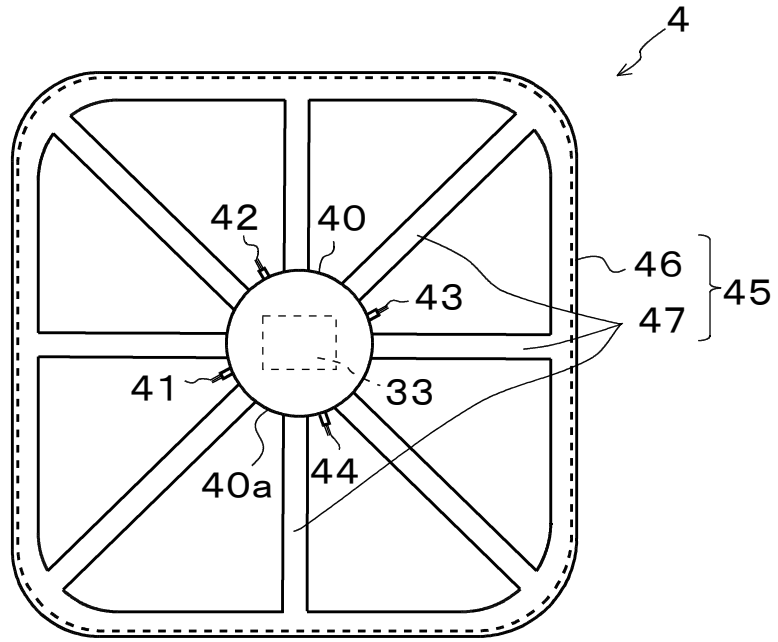


Fig. 5

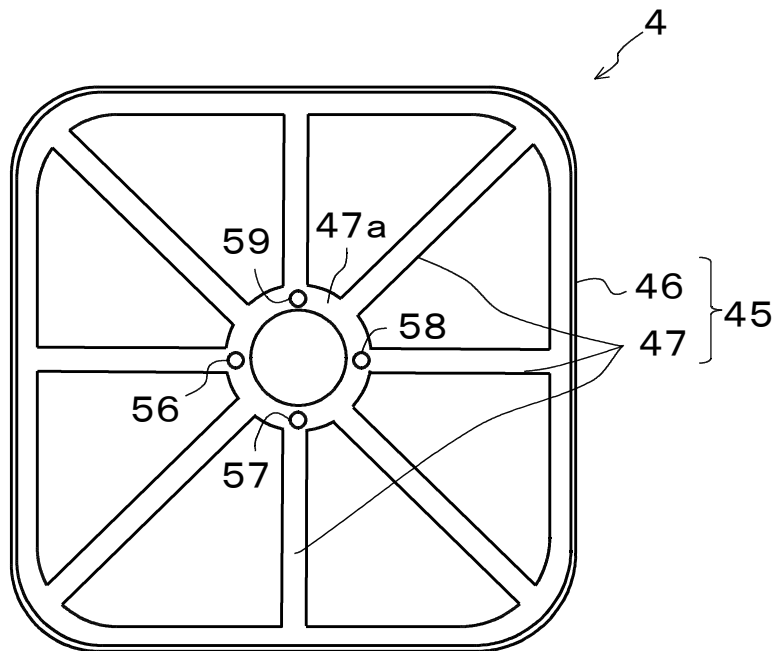


Fig. 6

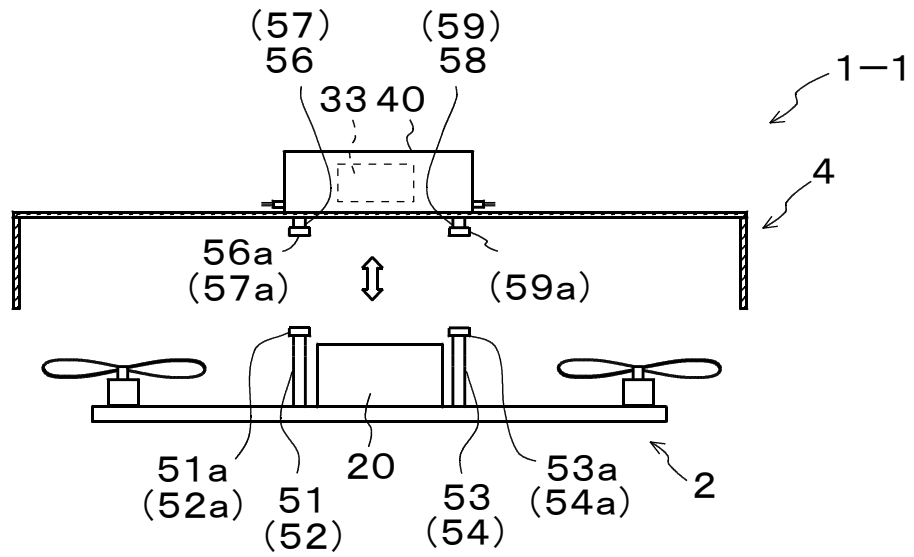


Fig. 7

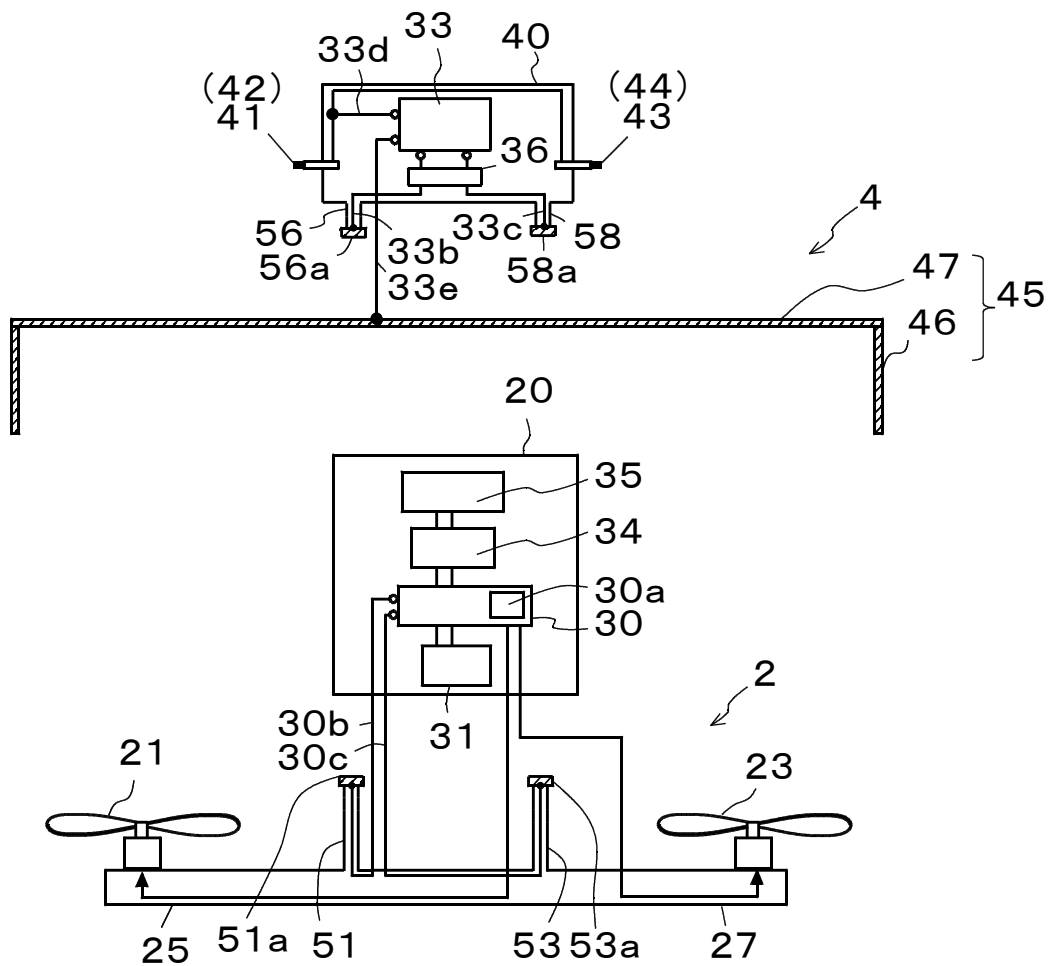


Fig. 8

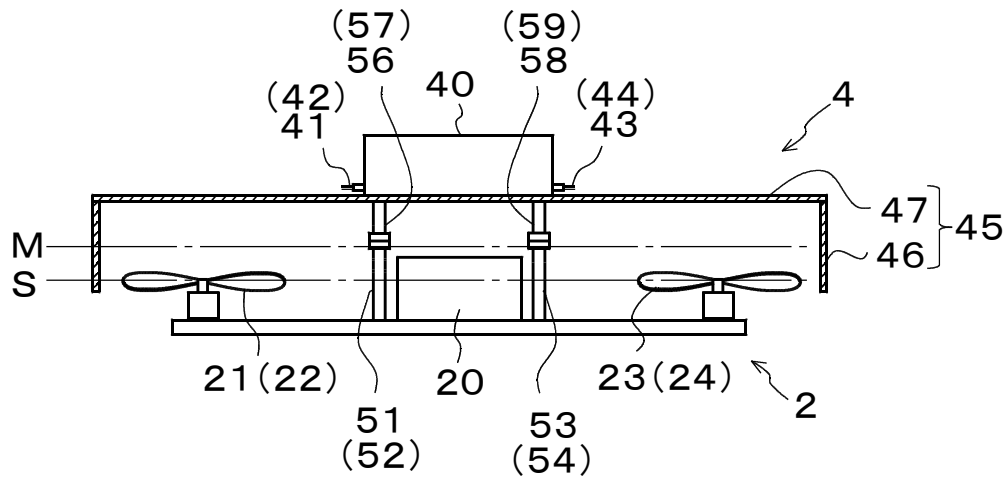


Fig. 9

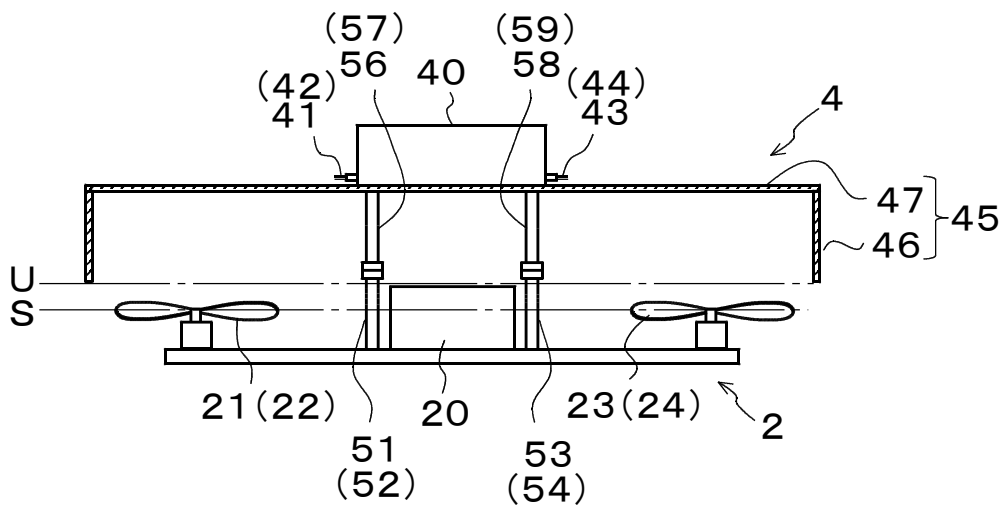


Fig. 10

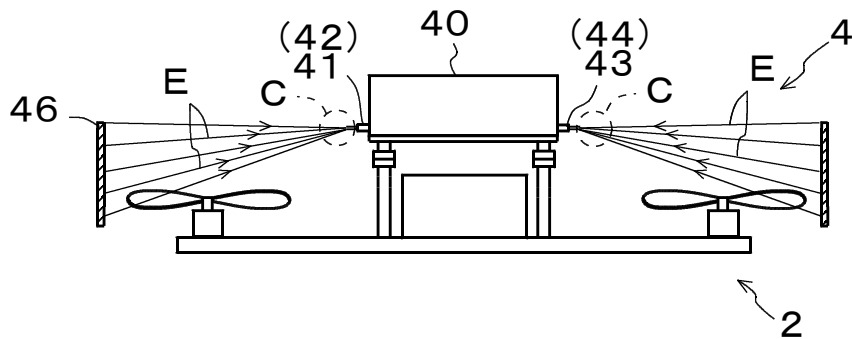


Fig. 11

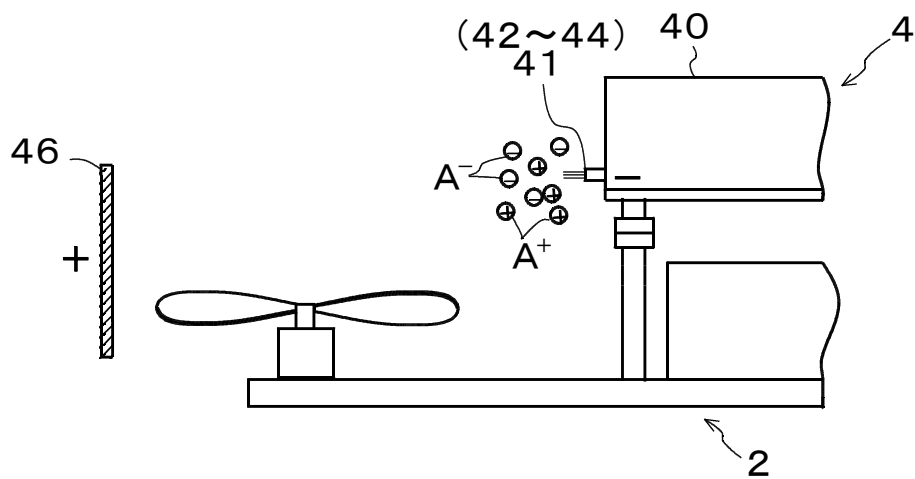


Fig. 12

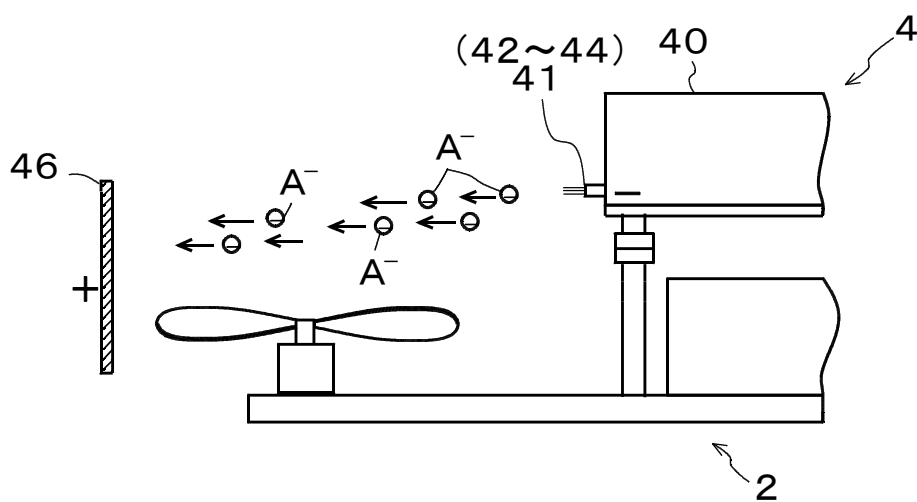


Fig.13

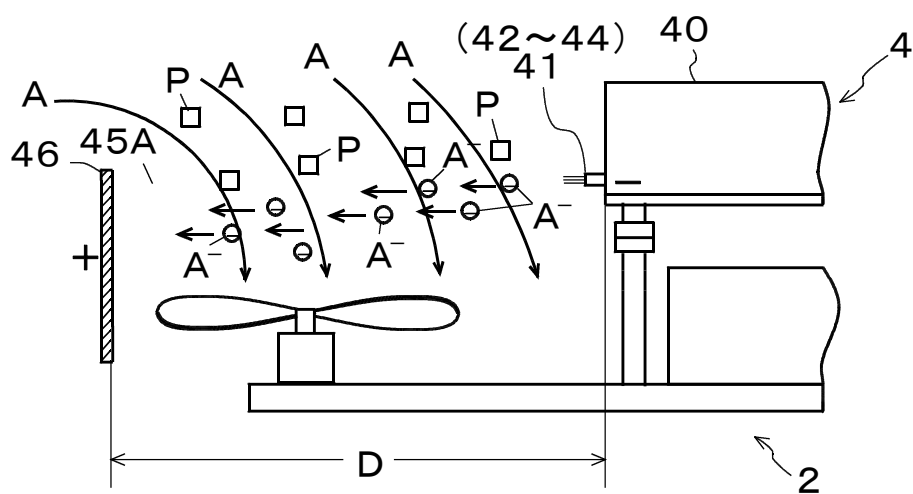


Fig.14

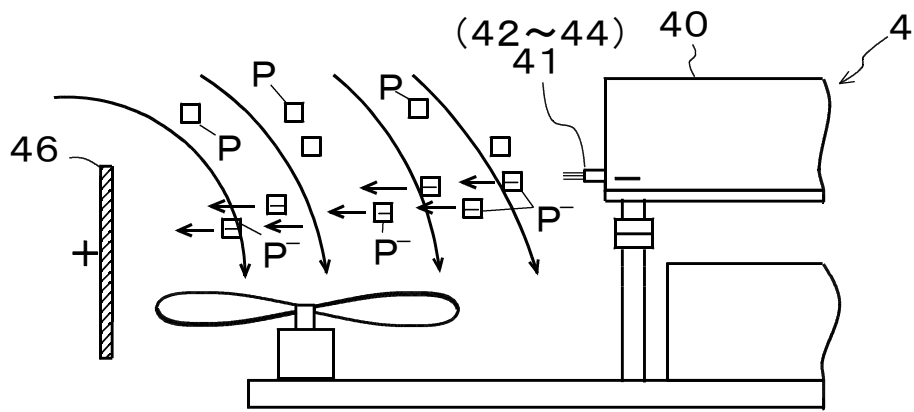


Fig. 15

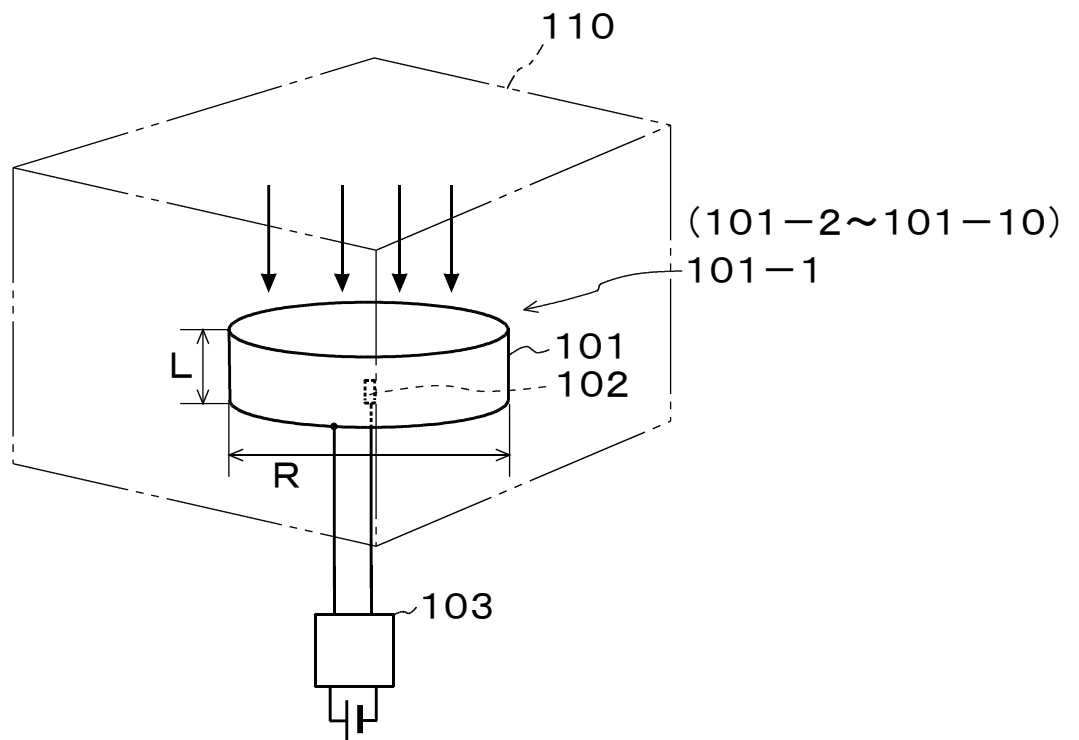


Fig. 16

Dust collector	Hight L (cm)	Diameter R (cm)	Electrode Area (m ²)	Cross section of wind passage (m ²)	Volume of air passing through Dust collector (m ² /s)
100-1	1.25	10	0.0039	0.0079	0.0118
100-2	2.5	10	0.0079	0.0079	0.0118
100-3	5	10	0.0157	0.0079	0.0118
100-4	2.5	20	0.0157	0.0014	0.0471
100-5	5	20	0.0314	0.0014	0.0471
100-6	10	20	0.0628	0.0014	0.0471
100-7	2.5	5	0.0039	0.0020	0.0029
100-8	5	5	0.0079	0.0020	0.0029
100-9	10	10	0.0314	0.0079	0.0118
100-10	1.25	5	0.0020	0.0020	0.0029

Fig.17

Dust collector	Attenuation rate (1/min)	Natural attenuation (1/min)	C A D R (m ³ /min)	Dust collection rate (CDRA/Q) (%)
100-1	0.066	0.018	0.131	18
100-2	0.048	0.018	0.082	12
100-3	0.109	0.018	0.249	35
100-4	0.092	0.018	0.202	7
100-5	0.120	0.018	0.281	10
100-6	0.131	0.018	0.310	11
100-7	0.056	0.018	0.105	59
100-8	0.058	0.018	0.110	62
100-9	0.119	0.018	0.279	39
100-10	0.054	0.018	0.099	56

Fig. 18

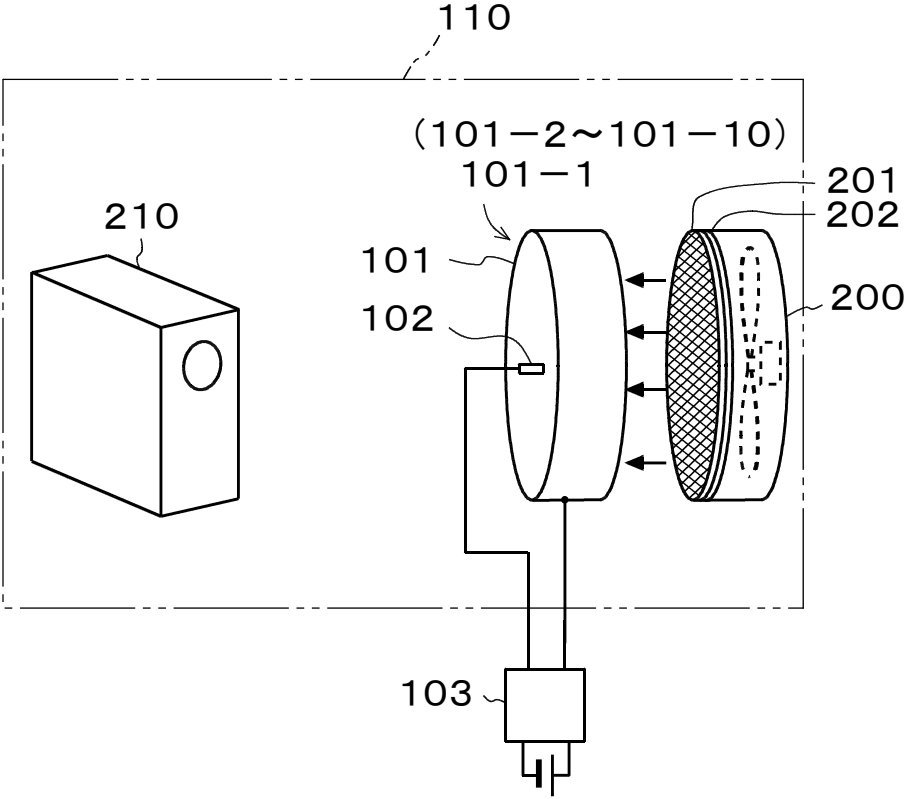


Fig. 19

Dust collector	Wind speed setting	Negative ion concentration $\times 10^3 / \text{CC}$		
		Average	Dispersion	Standard deviation
100-7	A	0.1	0.0	0.2
	B	0.0	0.0	0.0
	C	0.0	0.0	0.0
	D	0.0	0.0	0.0
100-2	A	445.0	3449.1	58.7
	B	314.0	221.0	14.9
	C	233.4	719.3	26.8
	D	129.9	12808.4	113.2
100-8	A	49.3	4855.1	69.7
	B	0.0	0.0	0.0
	C	0.0	0.0	0.0
	D	0.0	0.0	0.0
100-3	A	208.2	1458.0	38.2
	B	53.1	1223.1	35.0
	C	0.2	0.1	0.2
	D	0.0	0.0	0.0
100-5	A	431.3	1453.5	38.1
	B	316.0	308.9	17.6
	C	276.4	22.0	4.7
	D	197.3	7687.9	87.7
100-9	A	0.0	0.0	0.0
	B	0.0	0.0	0.0
	C	0.0	0.0	0.0
	D	0.0	0.0	0.0
100-6	A	225.2	4195.3	64.8
	B	100.4	1867.8	43.2
	C	29.2	853.7	29.2
	D	2.5	2.5	1.6
100-10	A	0.0	0.0	0.0
	B	0.0	0.0	0.0
	C	0.0	0.0	0.0
	D	0.0	0.0	0.0
100-1	A	420.4	564.5	23.8
	B	277.7	2933.8	54.2
	C	138.8	16913.3	130.1
	D	86.8	15068.5	122.8
100-4	A	472.9	44.2	6.6
	B	351.3	343.2	18.5
	C	296.1	292.8	17.1
	D	229.8	348.5	18.7

Fig.20

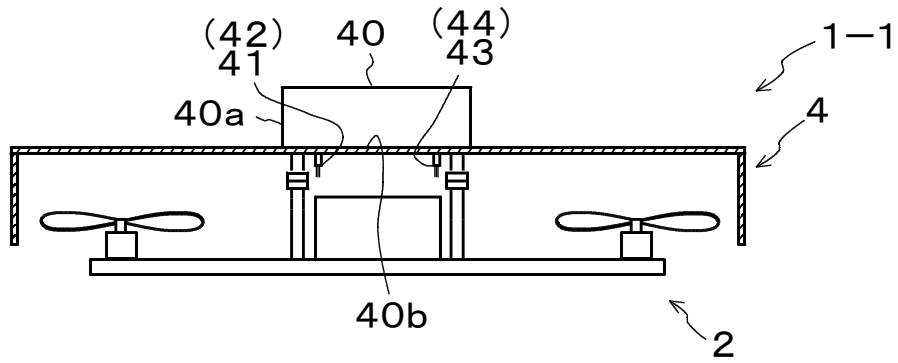


Fig. 21

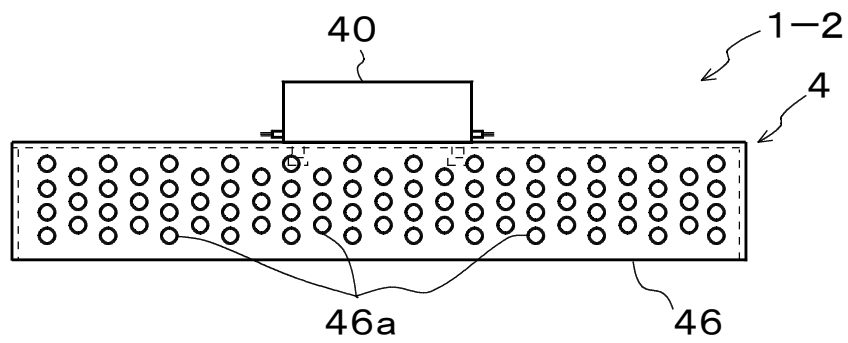


Fig. 22

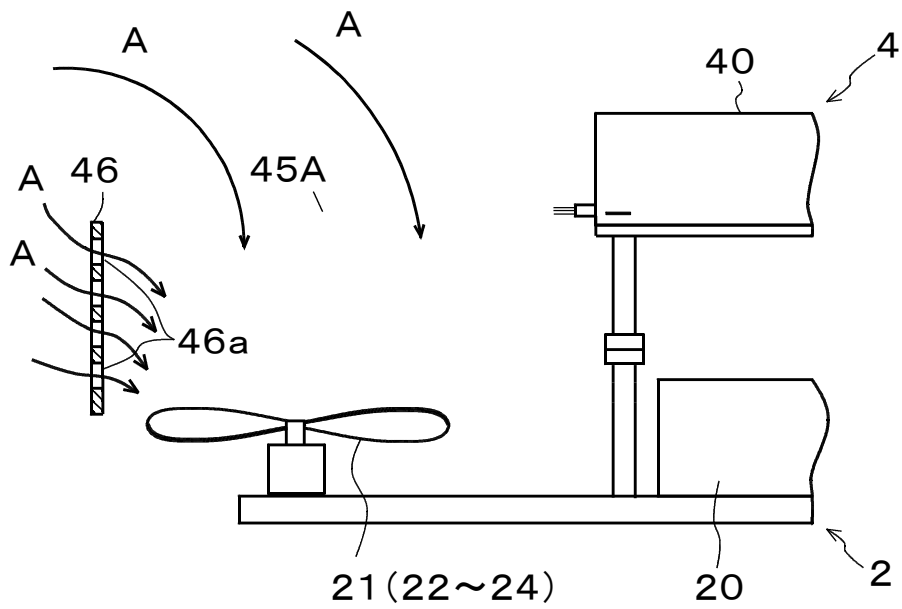


Fig. 23

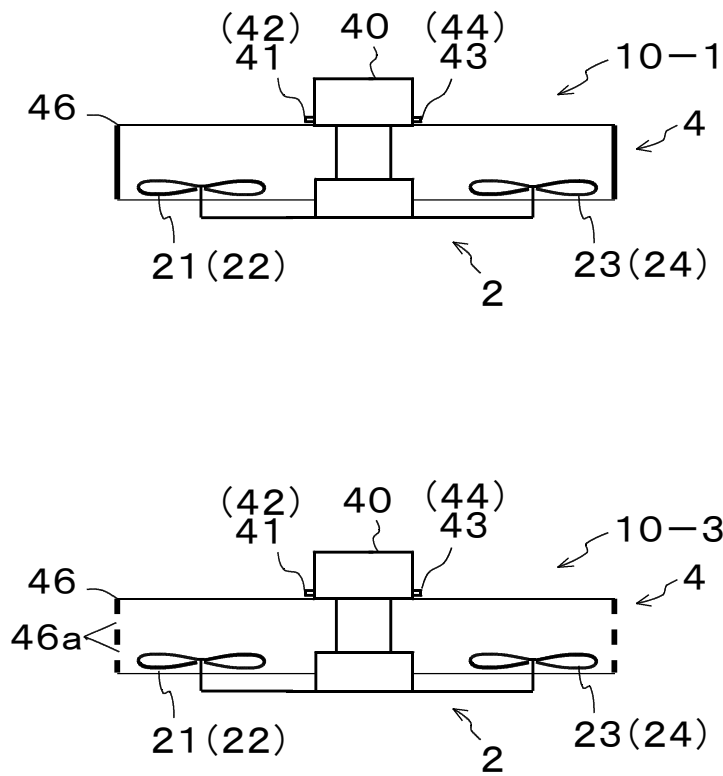


Fig.24

Dust collector	Attenuation rate (1/min)	CADR (m ³ /min)
10-1	0.1045	0.2344
10-3	0.1015	0.2181

Fig.25

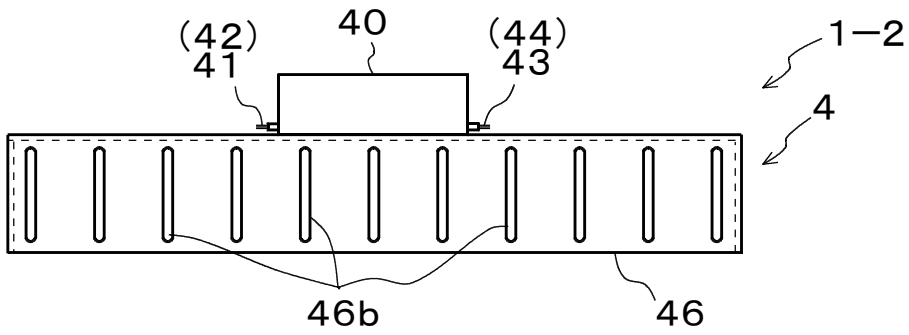


Fig. 26

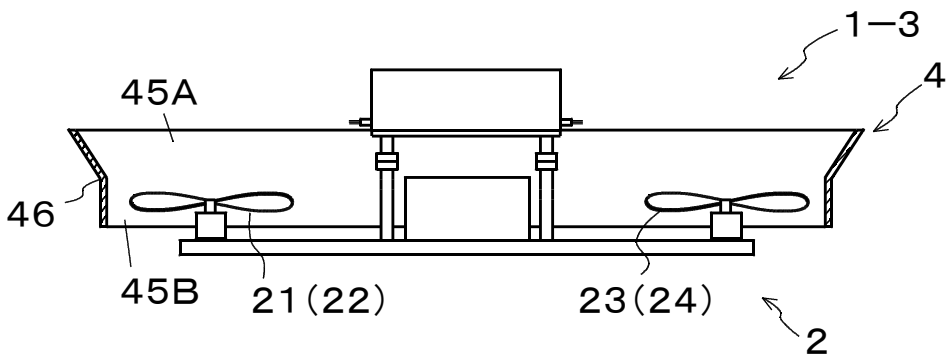


Fig. 27

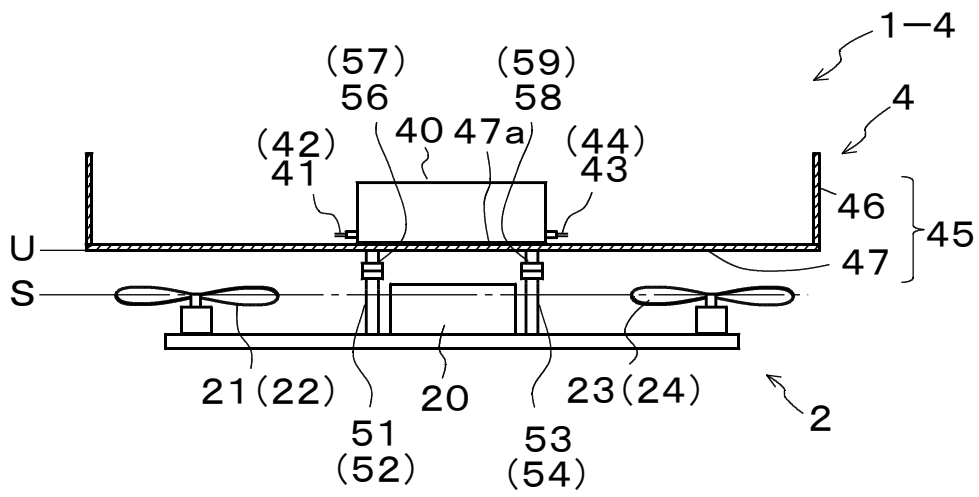


Fig. 28

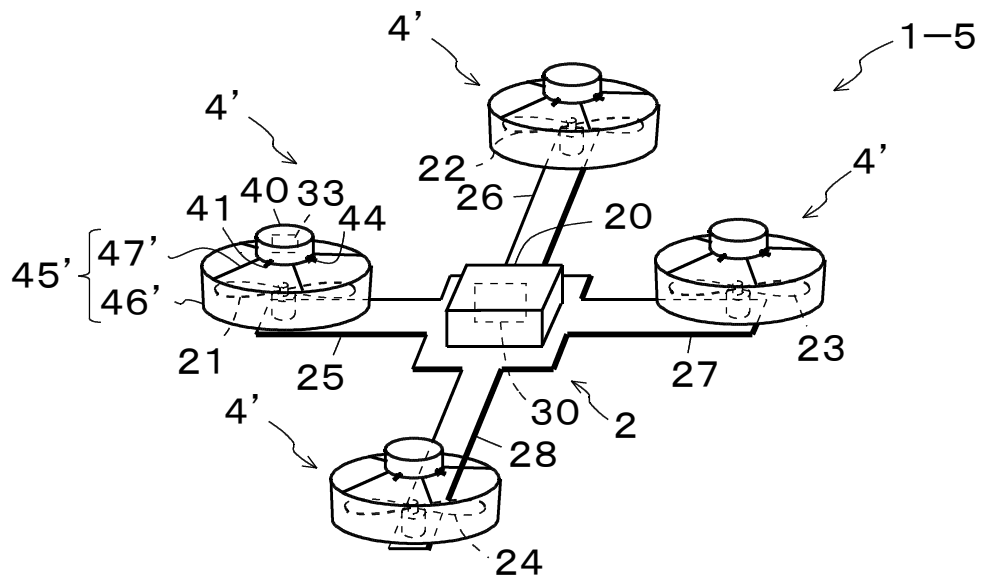


Fig. 29

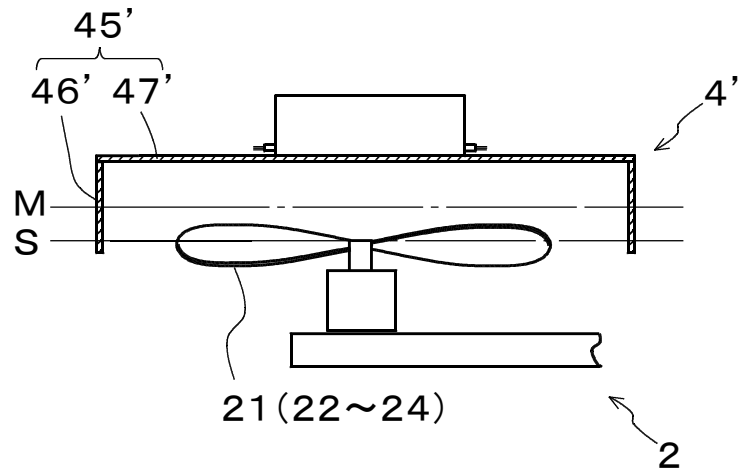


Fig.30

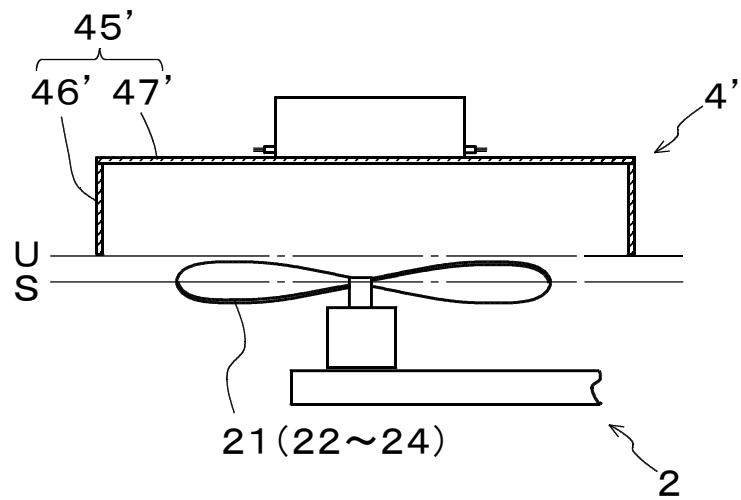


Fig.31

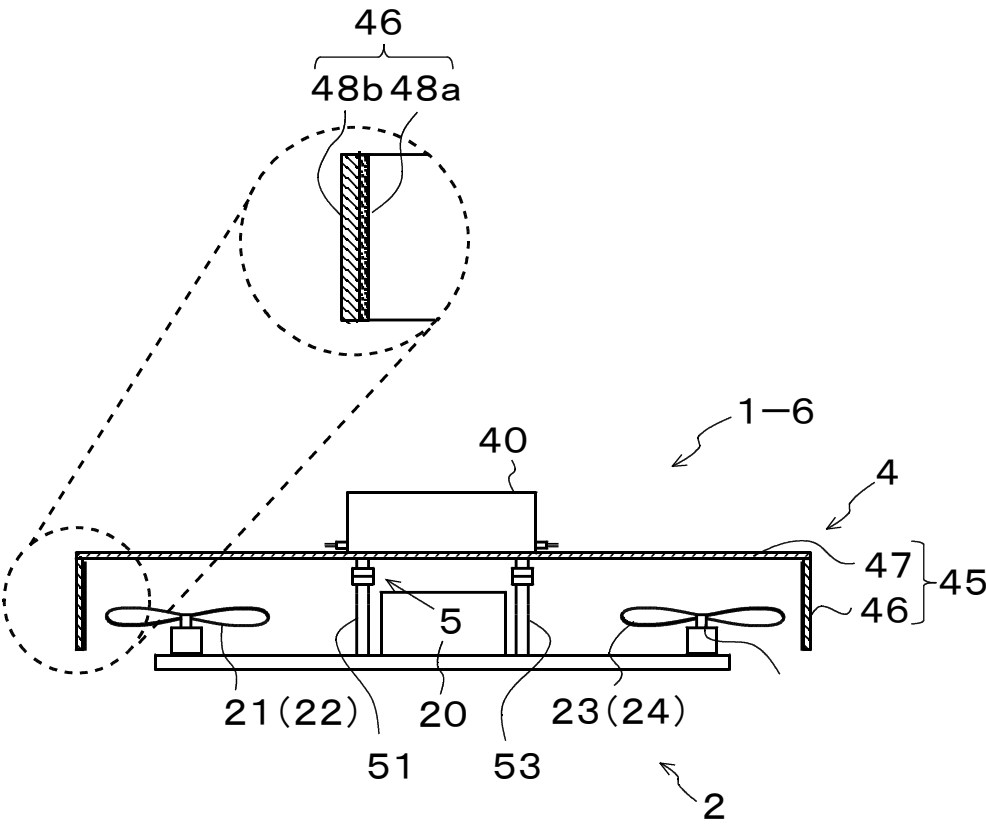


Fig.32

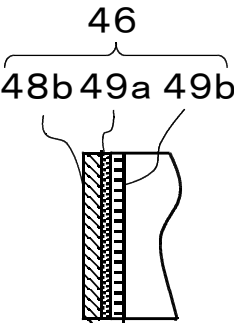


Fig.33