

FIG. 1

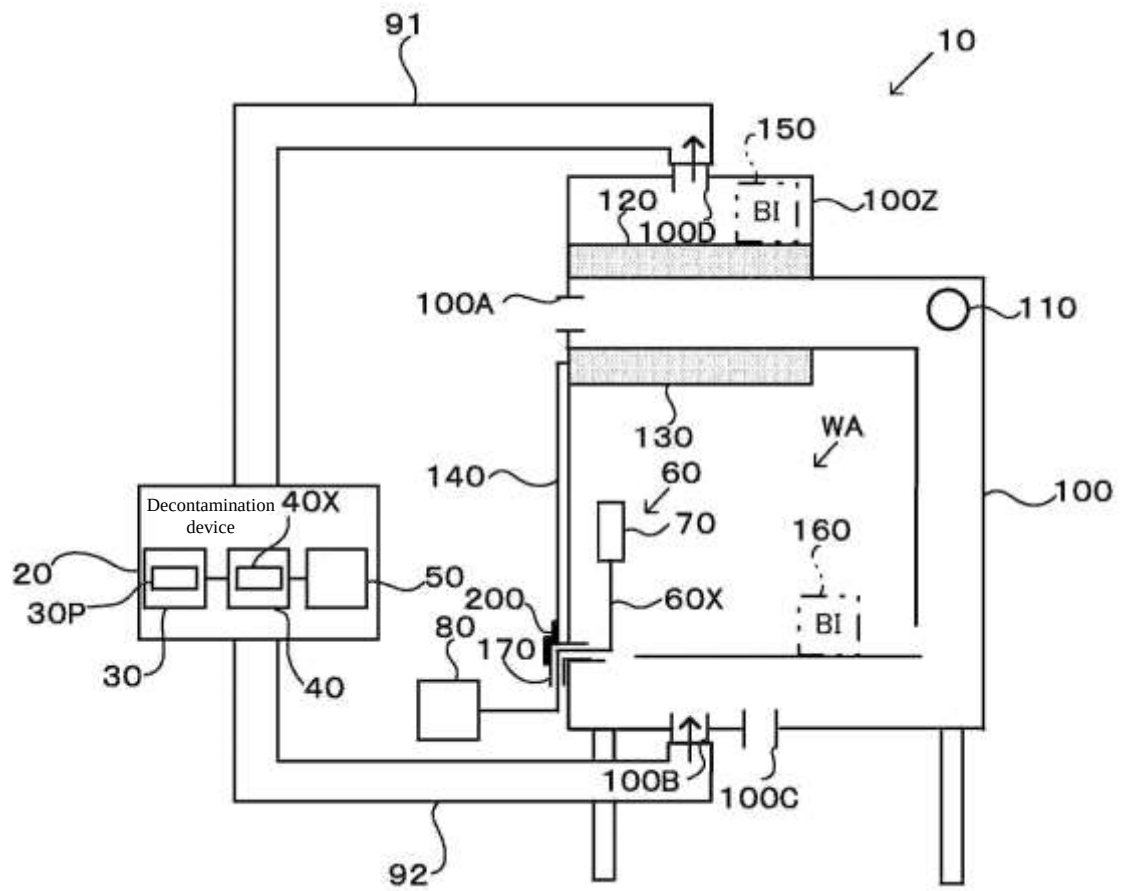


FIG. 2

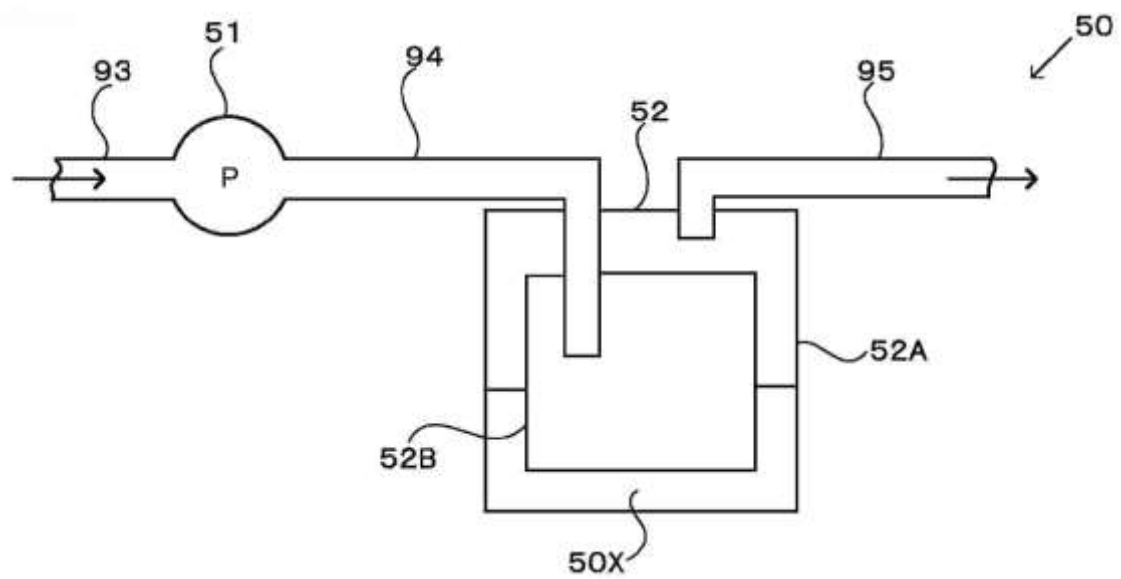


FIG. 3

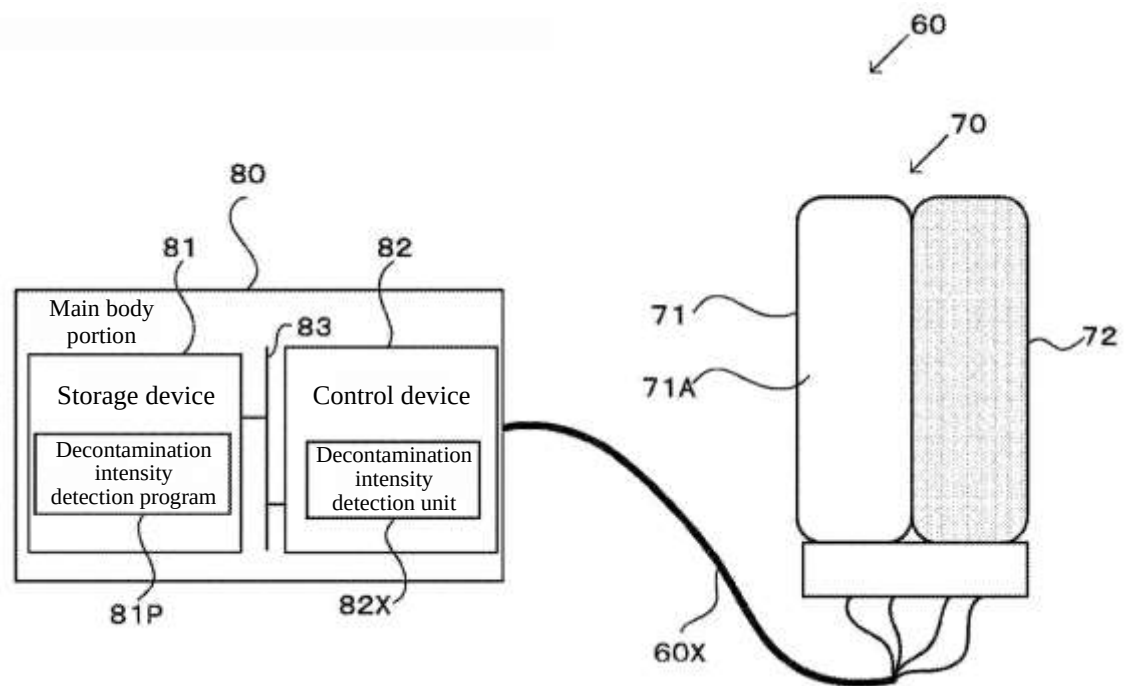


FIG. 4

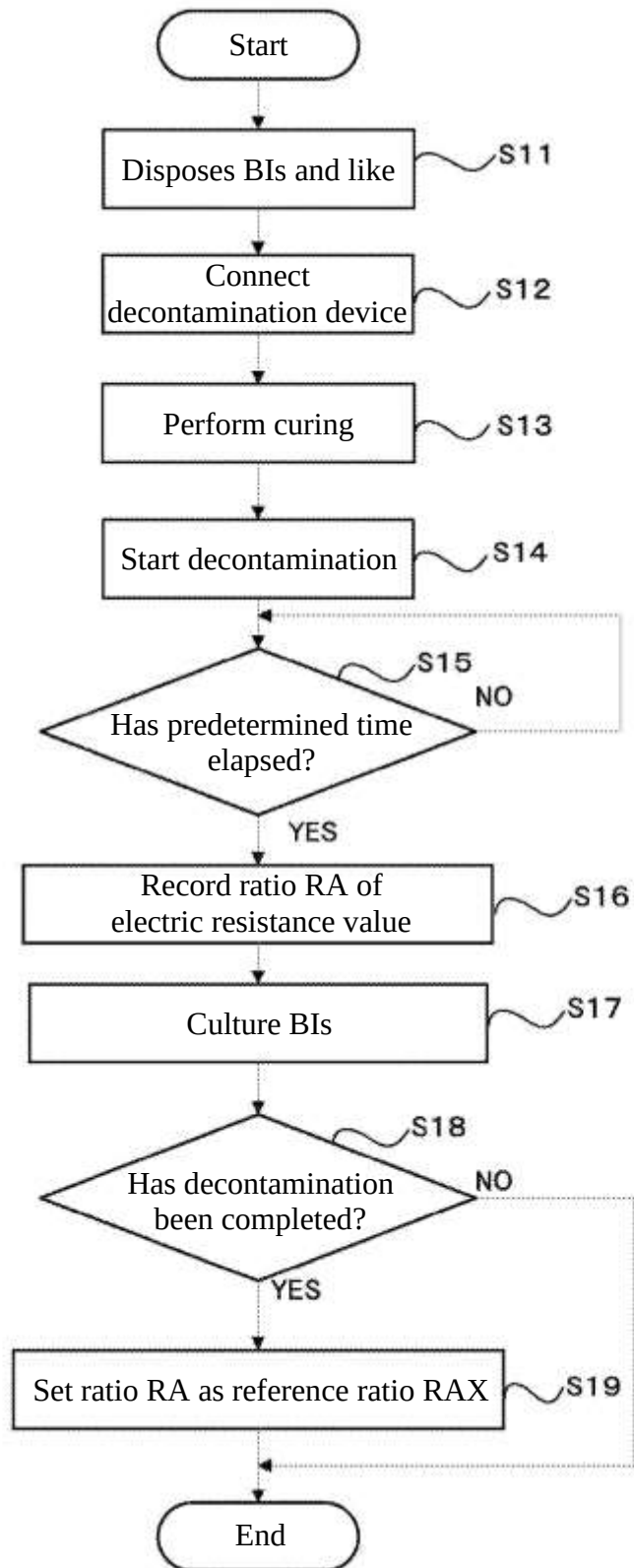


FIG. 5

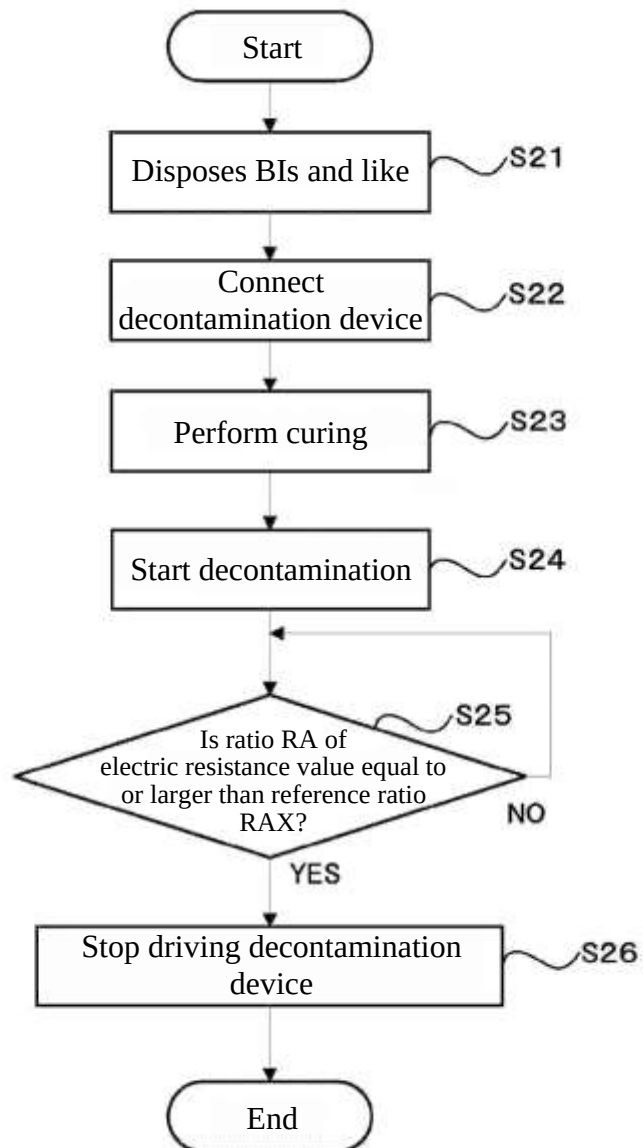


FIG. 6

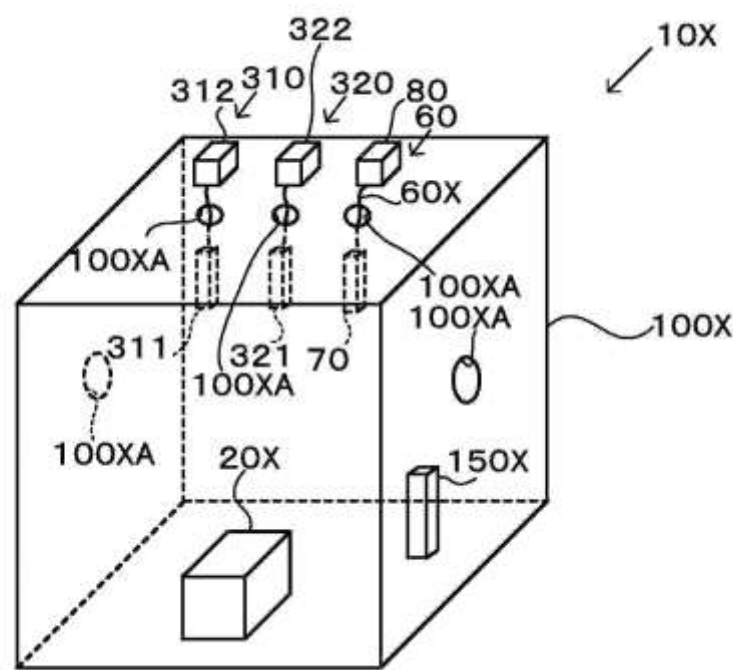


FIG. 7

Test example No.	MINNCARE concentration	Average temperature	Average humidity	Average concentration	Difference Δ RA						
					30min	45min	1h	1.5h	2h	2.5	3h
1	2.6[wt%]	22.0[°C]	86.5[%]	17.5[ppm]	-	-	-	0.0001	0.0001	-	-
2	1.4[wt%]	22.0[°C]	94.0[%]	10.2[ppm]	-	0.0004	0.0005	0.0008	0.0011	-	-
3	2.6[wt%]	22.1[°C]	92.7[%]	21.9[ppm]	-	0.0014	0.0019	0.0029	0.0038	-	-
4	2.6[wt%]	22.1[°C]	92.7[%]	26.2[ppm]	-	-	-	0.0028	0.0037	0.0047	-
5	3.8[wt%]	21.8[°C]	89.6[%]	30.8[ppm]	-	-	0.0009	0.0014	0.0018	-	0.0027
6	2.5[wt%]	22.1[°C]	92.1[%]	26.2[ppm]	-	-	0.0027	-	0.0055	-	0.0082
7	4.5[wt%]	22.0[°C]	94.7[%]	55.3[ppm]	0.0021	0.0031	0.0041	0.0062	0.0087	-	-

:BI positive :BI negative

FIG. 8

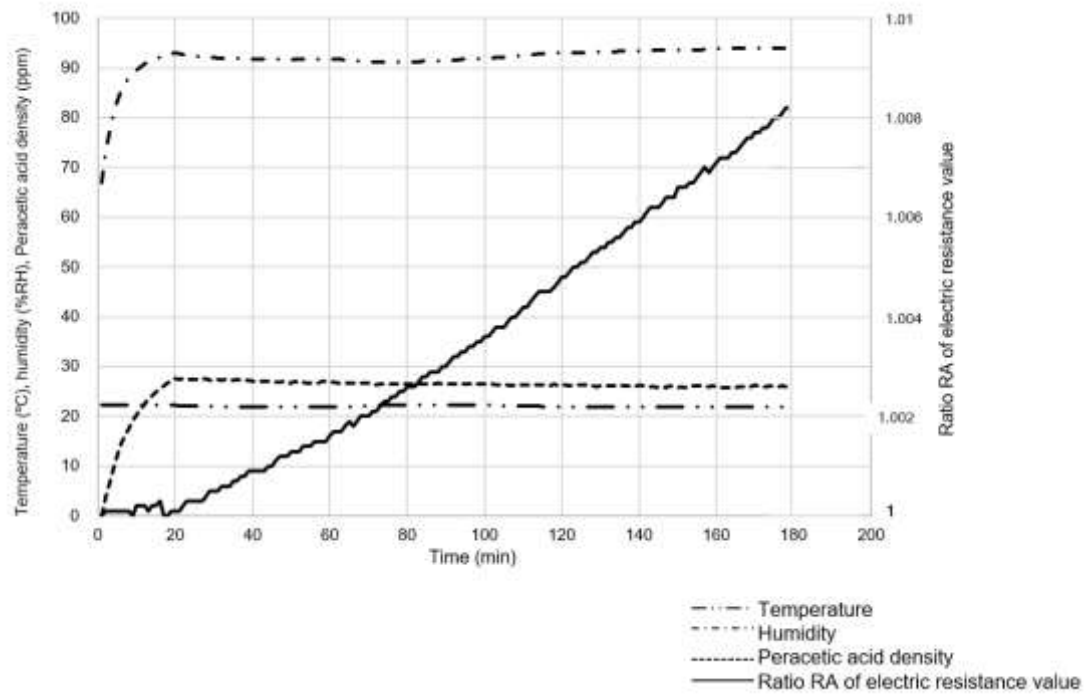


FIG. 9

					Difference ΔRA						
Test example No.	MINNCARE concentration	Average temperature	Average humidity	Average concentration	30min	45min	1h	1.5h	2h	2.5	3h
8	0.45[wt%]	22.0[°C]	93.4[%]	0[ppm]	-	-	0.0000	-	0.0000	-	0.0000
9	1.1[wt%]	22.0[°C]	94.2[%]	0[ppm]	-	-	0.0000	-	0.0000	-	0.0000

:BI negative

FIG. 10

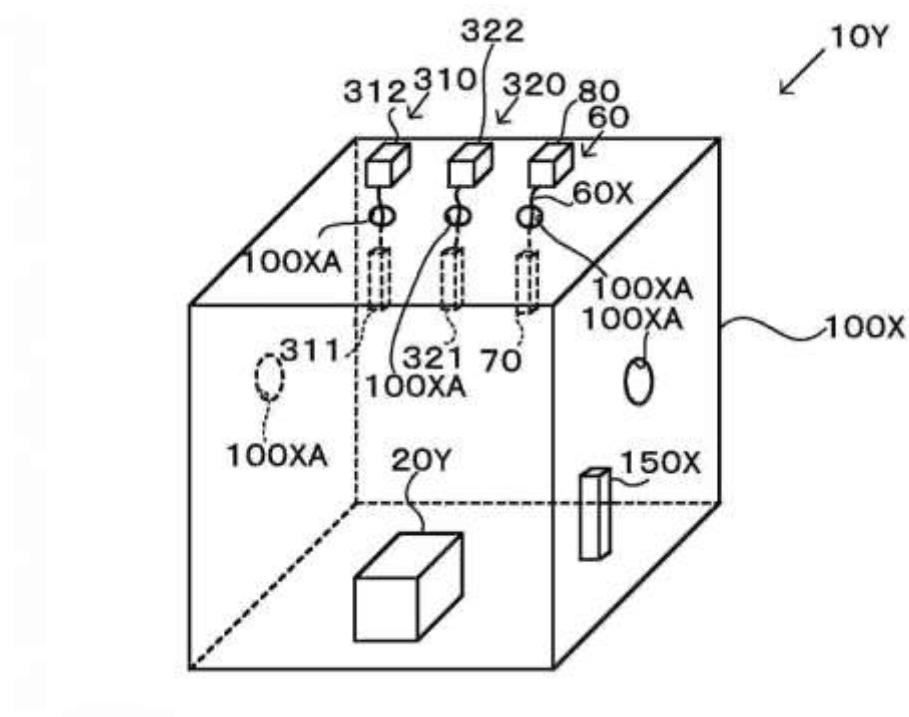


FIG. 11

Test example No.	MINNCARE concentration	Average temperature	Average humidity	Average concentration	Difference Δ RA						
					30min	45min	1h	1.5h	2h	2.5	3h
10	10[wt%]	22.1[°C]	92.7[%]	26.2[ppm]	-	-	-	-	0.0012	0.0015	0.0018

 :BI negative

FIG. 12

N o .	Name	Code	Copper (Cu)	Lead (Pb)	Iron (Fe)	Zinc (Zn)	Tin (Sn)	Phosphorus (P)	Nickel (Ni)
1	Type-1 Gunmetal	C2100	94.0–96.0	≤ 0.05	≤ 0.05	Remnant	–	–	–
2	Type-2 Gunmetal	C2200	89.0–91.0	≤ 0.05	≤ 0.05	Remnant	–	–	–
3	Type-1 Yellow brass	C2600	68.5–71.5	≤ 0.05	≤ 0.05	Remnant	–	–	–
4	Type-2 Yellow brass	C2680	64.0–68.0	≤ 0.05	≤ 0.05	Remnant	–	–	–
5	Yellow brass/brass	C2801	59.0–62.0	–	–	40	–	–	–
6	Phosphor bronze	C5191	Remnant	–	–		5.5–7.0	0.03–0.35	–
7	Nickel silver	C7521	62–66	≤ 0.03	≤ 0.25	Remnant	–	–	16.5–19.5

FIG. 13

N o .	Code			Light intensity decrease rate
		Before start of decontamination	After end of decontamination	
1	C2100	260	10	96
2	C2200	370	4	99
3	C2600	684	28	96
4	C2680P	660	30	95
5	C2801P	590	41	93
6	C5191P	475	450	5
7	C7521P	490	521	–6