FIG.1

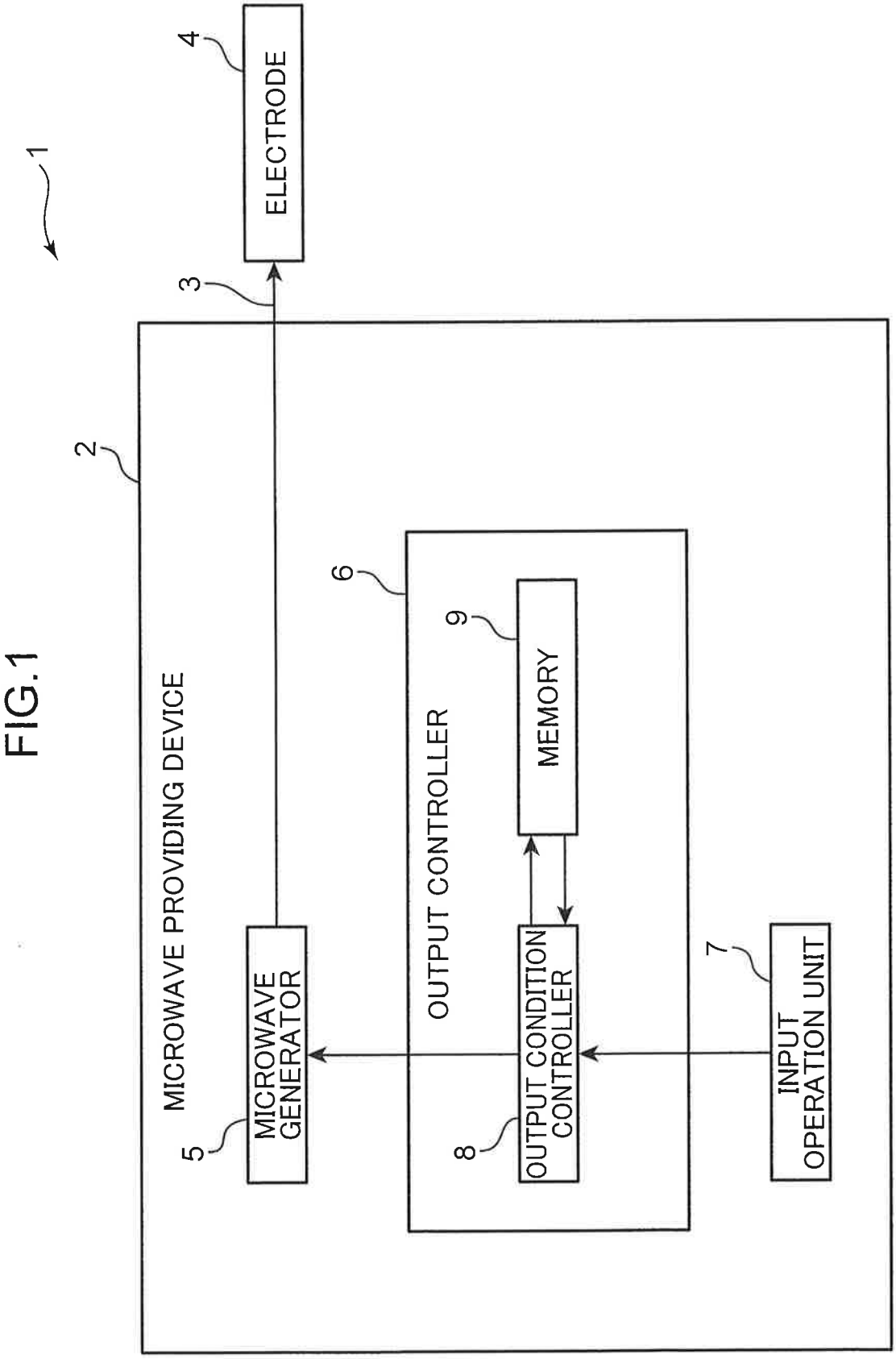

1
2
3
4
ELECTRODE
MICROWAVE PROVIDING DEVICE
5
MICROWAVE GENERATOR
6
OUTPUT CONTROLLER
7
INPUT OPERATION UNIT
8
OUTPUT CONDITION CONTROLLER
9
MEMORY

FIG.2

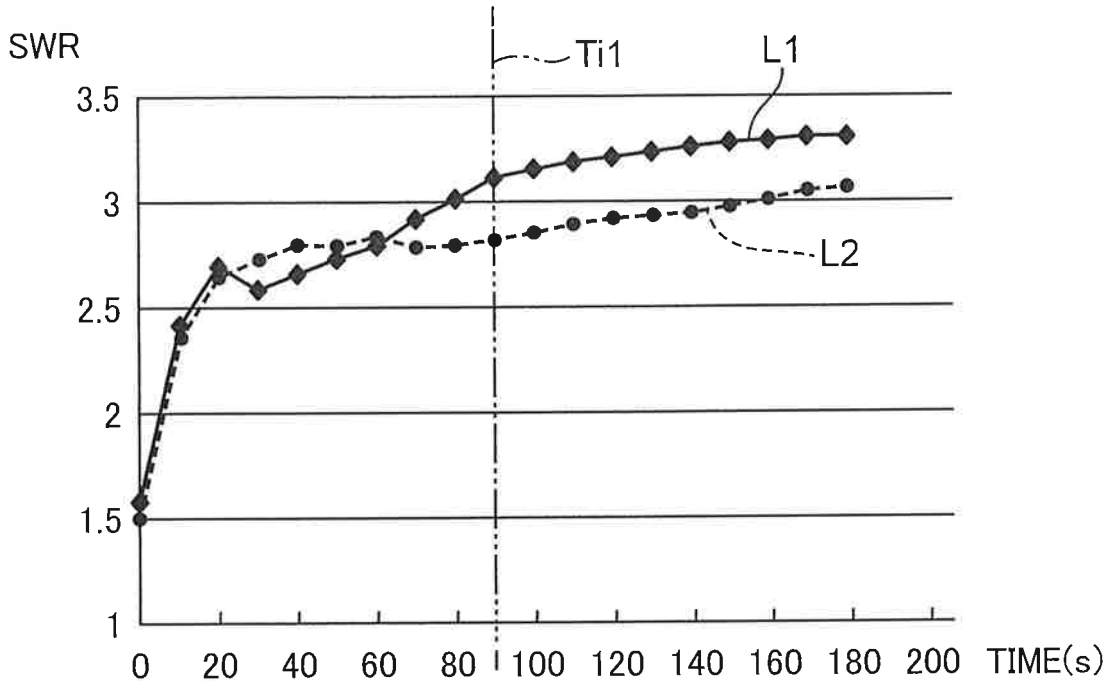

SWR
Ti1
L1
L2
3.5
3
2.5
2
1.5
1
0
20
40
60
80
100
120
140
160
180
200
TIME(s)

FIG.3

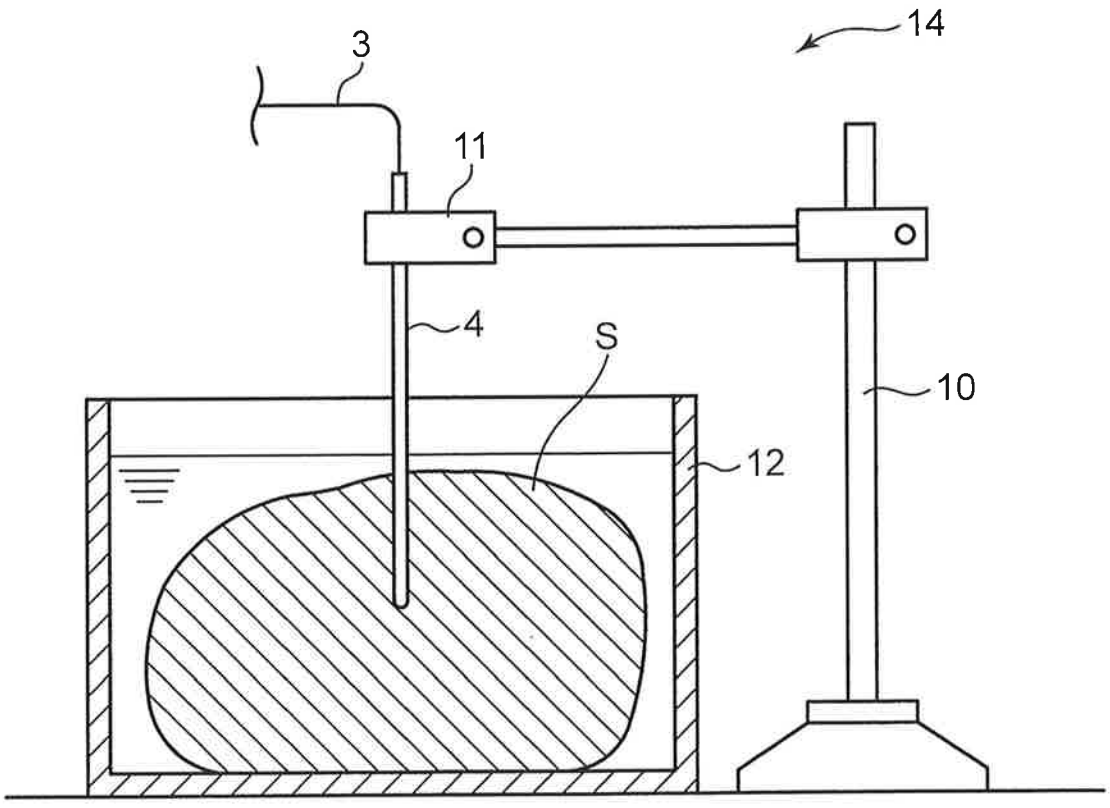

14
3
11
4
S
10
12

FIG.4

SAMPLE NO.	RADIATION PERIOD(s)	PAUSE PERIOD(s)	NUMBER OF REPEATS	TOTAL RADIATION PERIOD(s)	TOTAL PAUSE PERIOD(s)	TOTAL PERIOD(s)	MEASURED COAGULATION VALUE(mm) W × D
EXAMPLE 1	10	5	9	90	40	130	21 × 45
EXAMPLE 2	10	5	12	120	55	175	24 × 45
EXAMPLE 3	10	5	21	210	100	310	32 × 50
EXAMPLE 4	20	5	5	100	20	120	20 × 35
EXAMPLE 5	20	5	8	160	35	195	23 × 45
EXAMPLE 6	20	5	11	220	50	270	28 × 50
EXAMPLE 7	10	10	12	120	110	230	23 × 45
EXAMPLE 8	15	10	8	120	70	190	26 × 45
EXAMPLE 9	20	10	6	120	50	170	26 × 50

FIG.5

SAMPLE NO.	RADIATION PERIOD(s)	PAUSE PERIOD(s)	NUMBER OF REPEATS	TOTAL RADIATION PERIOD(s)	TOTAL PAUSE PERIOD(s)	TOTAL PERIOD(s)	MEASURED COAGULATION VALUE(mm) W × D
COMPARATIVE EXAMPLE 1	60	0	0	60	0	60	15 × 35
COMPARATIVE EXAMPLE 2	10	5	6	60	25	85	15 × 20
COMPARATIVE EXAMPLE 3	15	5	4	60	15	75	14 × 30
EXAMPLE 10	10	5	10	100	45	145	22 × 40
EXAMPLE 11	15	10	10	150	90	240	21 × 40
EXAMPLE 12	10	5	15	150	70	220	20 × 40
EXAMPLE 13	15	10	15	225	140	365	28 × 50
EXAMPLE 14	10	5	20	200	95	295	28 × 45
EXAMPLE 15	15	10	20	300	190	490	25 × 45
EXAMPLE 16	10	5	25	250	120	370	33 × 55
EXAMPLE 17	15	10	25	375	240	615	31 × 60
EXAMPLE 18	10	5	30	300	145	445	31 × 55
EXAMPLE 19	10	5	35	350	170	520	35 × 50

FIG.6

MEASURED COAGULATION VALUE(mm) W × D	35 × 50	33 × 55	31 × 60	31 × 55	28 × 50	28 × 45	25 × 45	22 × 40	21 × 40	20 × 40	15 × 35	15 × 20	14 × 30
SAMPLE NO.	EXAMPLE 19	EXAMPLE 16	EXAMPLE 17	EXAMPLE 18	EXAMPLE 13	EXAMPLE 14	EXAMPLE 15	EXAMPLE 10	EXAMPLE 11	EXAMPLE 12	COMPARATIVE EXAMPLE 1	COMPARATIVE EXAMPLE 2	COMPARATIVE EXAMPLE 3
RADIATION PERIOD(s)	10	10	15	10	15	10	15	10	15	10	60	10	15
TOTAL RADIATION PERIOD(s)	350	250	375	300	225	200	300	100	150	150	60	60	60
PAUSE PERIOD(s)	5	5	10	5	10	5	10	5	10	5	0	5	5
TOTAL PAUSE PERIOD(s)	170	120	240	145	140	95	190	45	90	70	0	25	15
TOTAL PERIOD(s)	520	370	615	445	365	295	490	145	240	220	60	85	75
NUMBER OF REPEATS	35	25	25	30	15	20	20	10	10	15	0	6	4

FIG.7

SAMPLE NO.	RADIATION PERIOD(s)	PAUSE PERIOD(s)	NUMBER OF REPEATS	TOTAL RADIATION PERIOD(s)	TOTAL PAUSE PERIOD(s)	TOTAL PERIOD(s)	MEASURED COAGULATION VALUE(mm) W × D
EXAMPLE 20	10	5	30	300	145	445	30 × 60
EXAMPLE 21	10	10	30	300	290	590	28 × 55
EXAMPLE 22	10	15	30	300	435	735	26 × 47
EXAMPLE 23	90 10	5	90 × 1 10 × 21	300	105	405	30 × 52

FIG.8

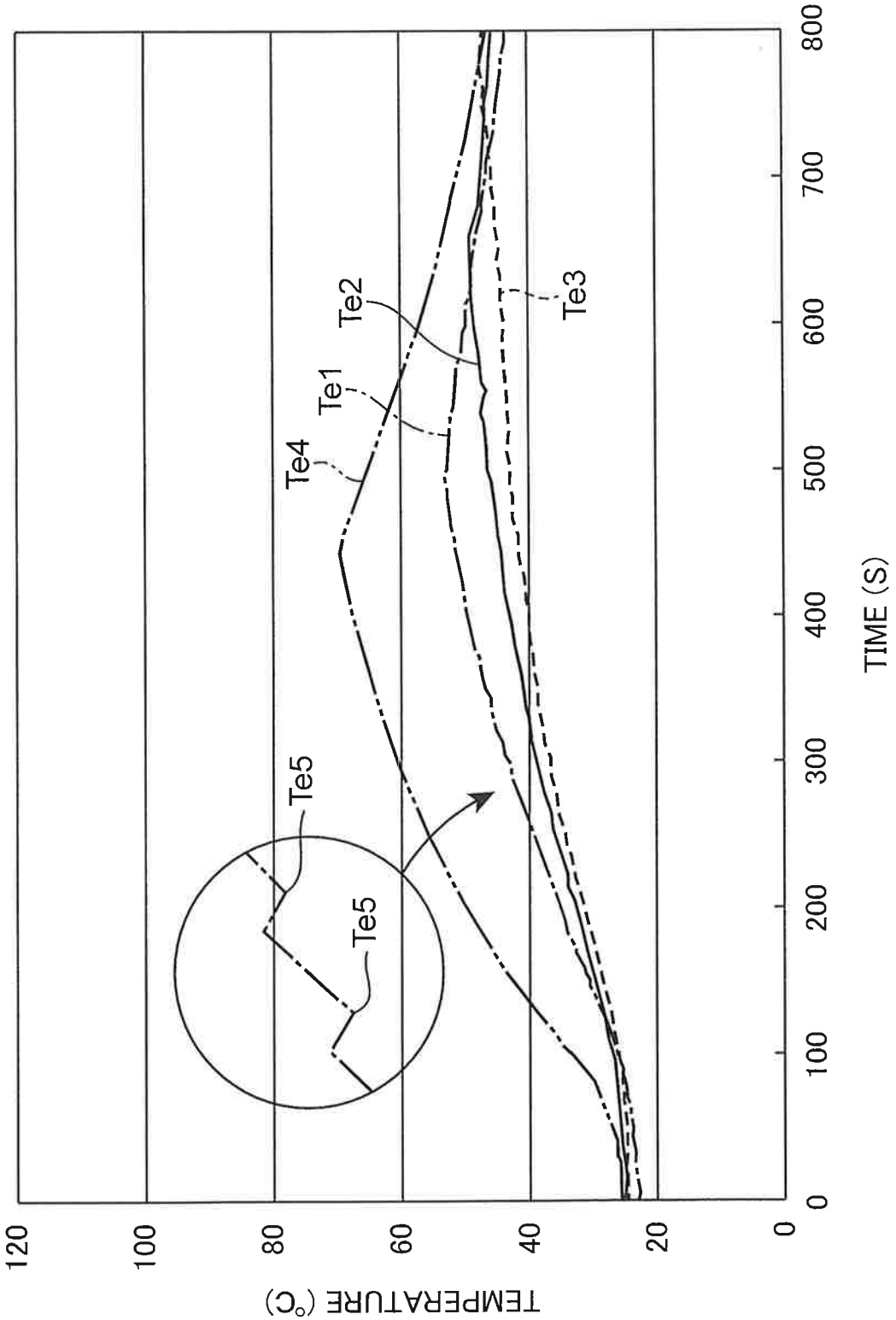

TEMPERATURE (°C)
120
100
80
60
40
20
0
0
100
200
300
400
500
600
700
800
TIME (S)
Te1
Te2
Te3
Te4
Te5
Te5

FIG.9

