

FIG. 1

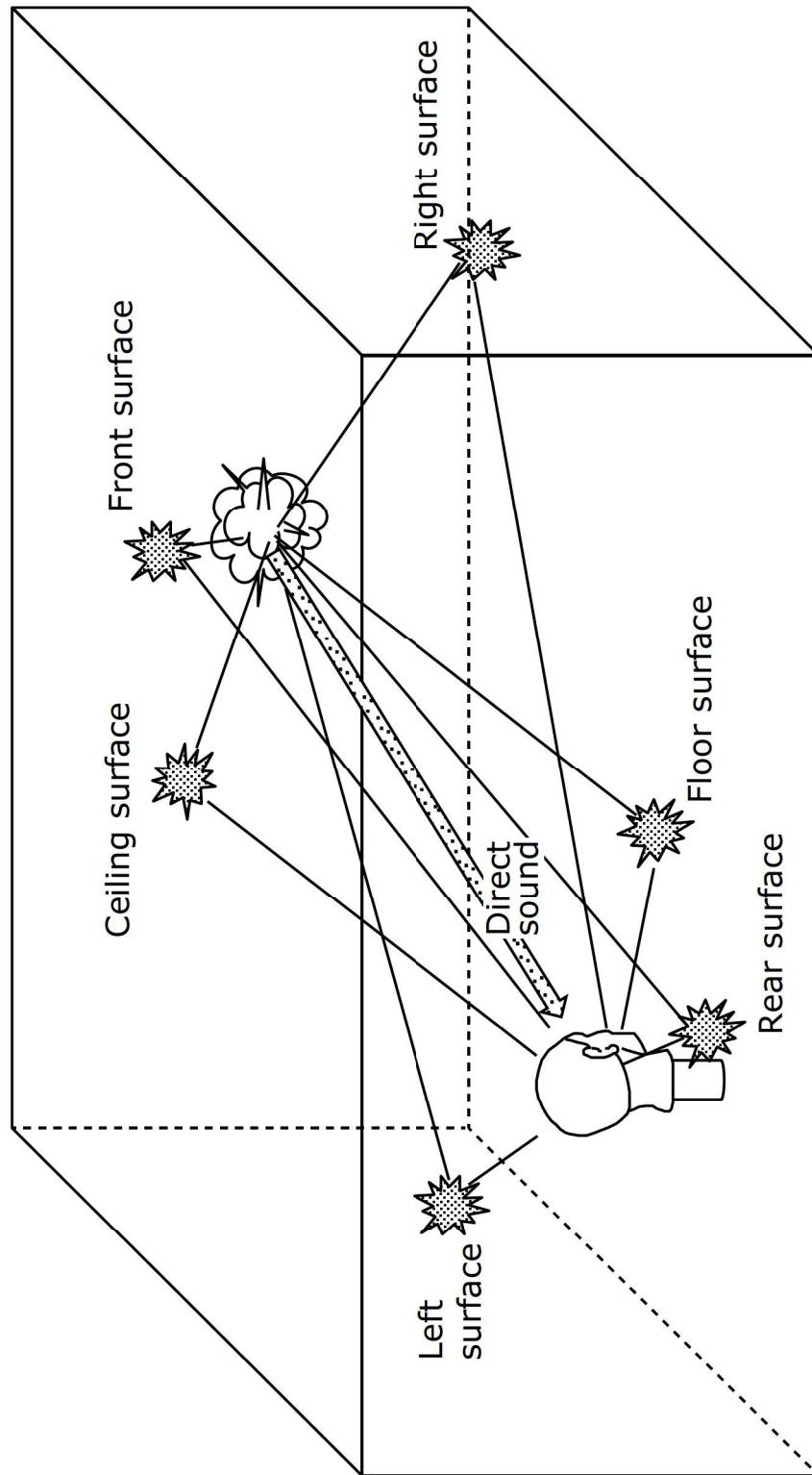


FIG. 2

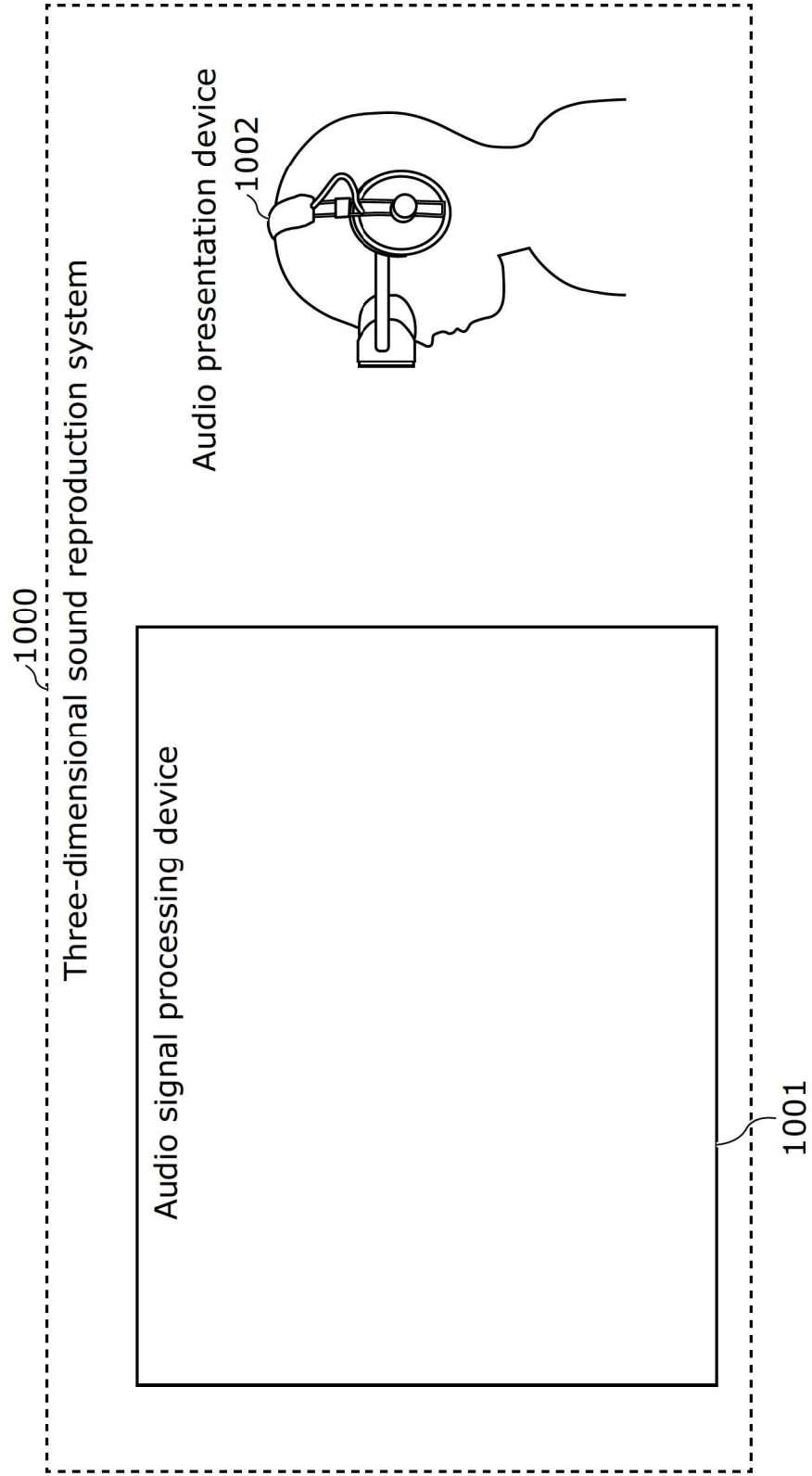


FIG. 3A

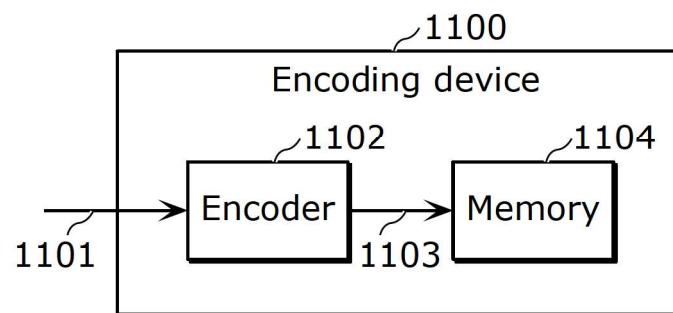


FIG. 3B

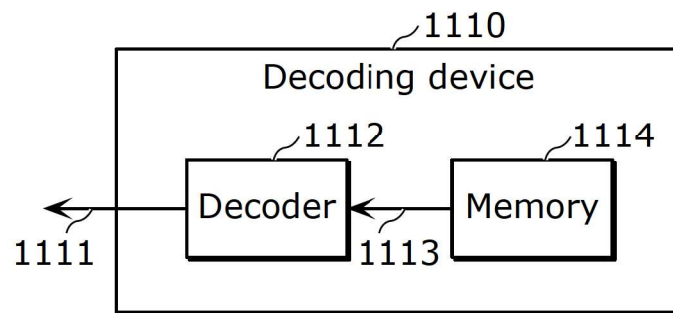


FIG. 3C

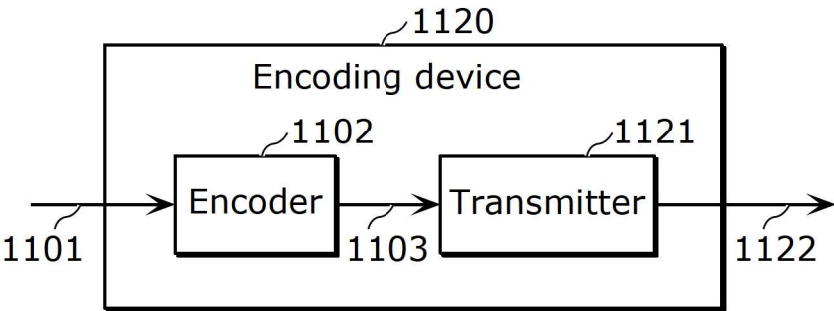


FIG. 3D

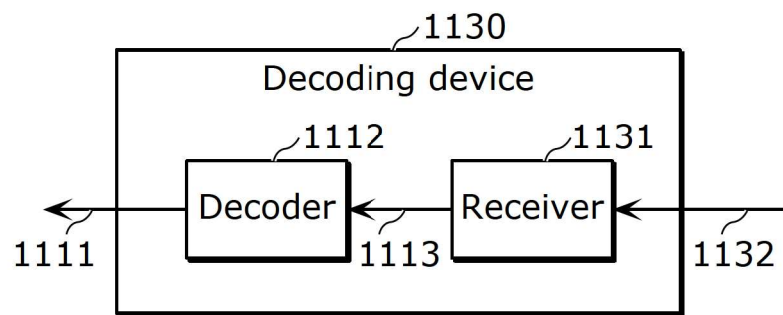


FIG. 4A

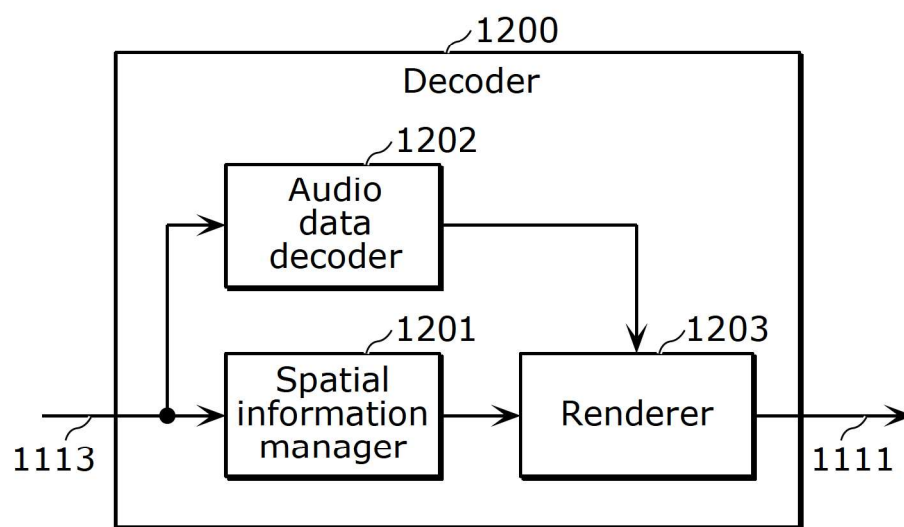


FIG. 4B

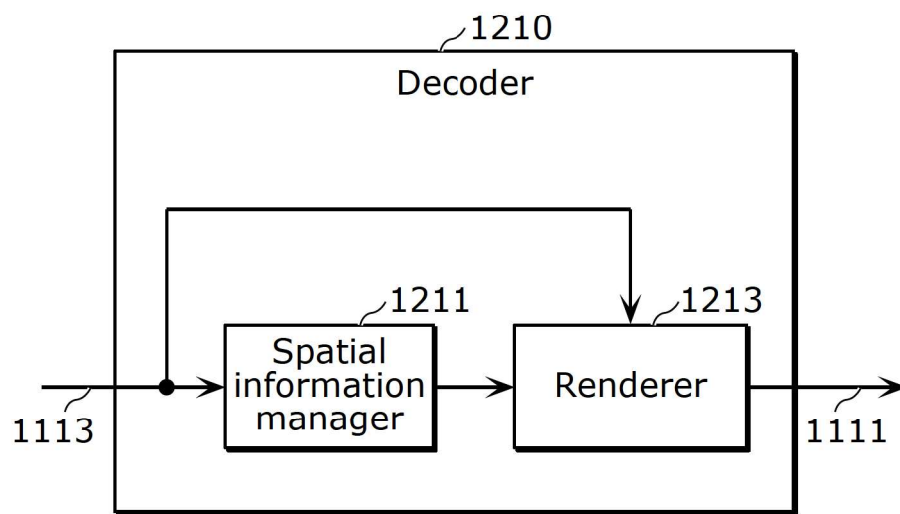


FIG. 5

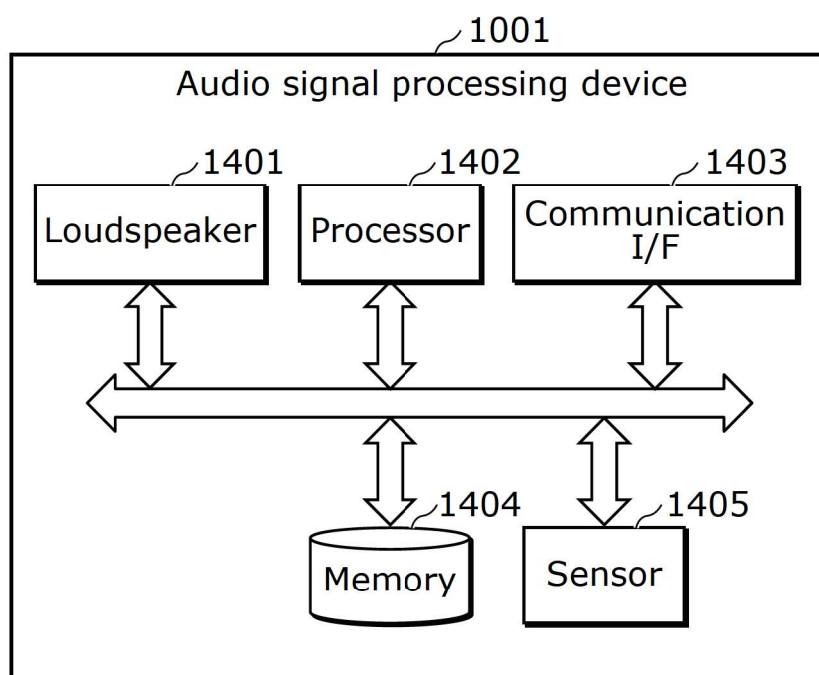


FIG. 6

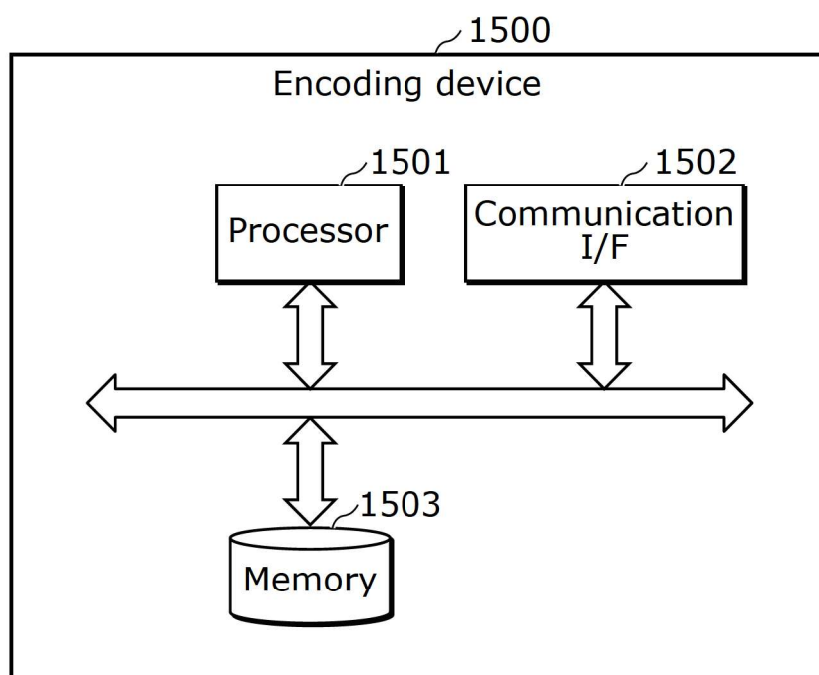


FIG. 7

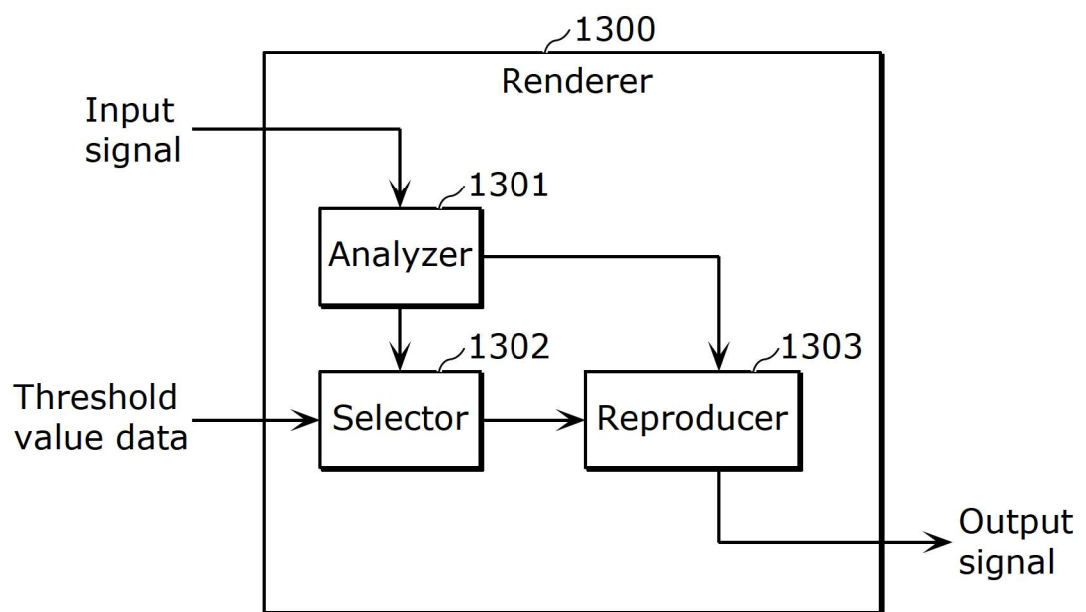


FIG. 8

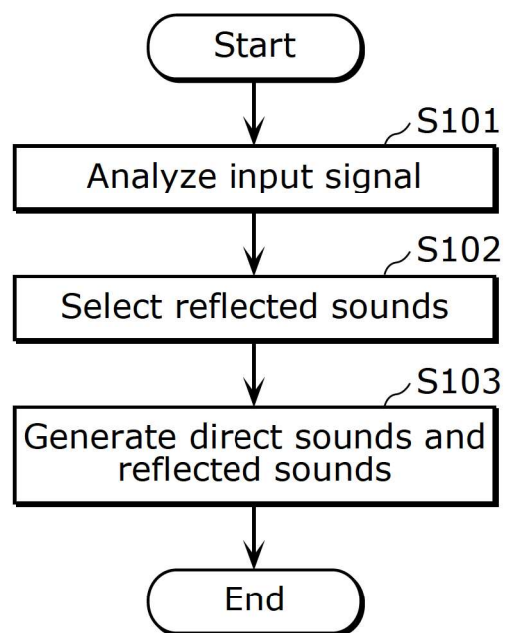


FIG. 9

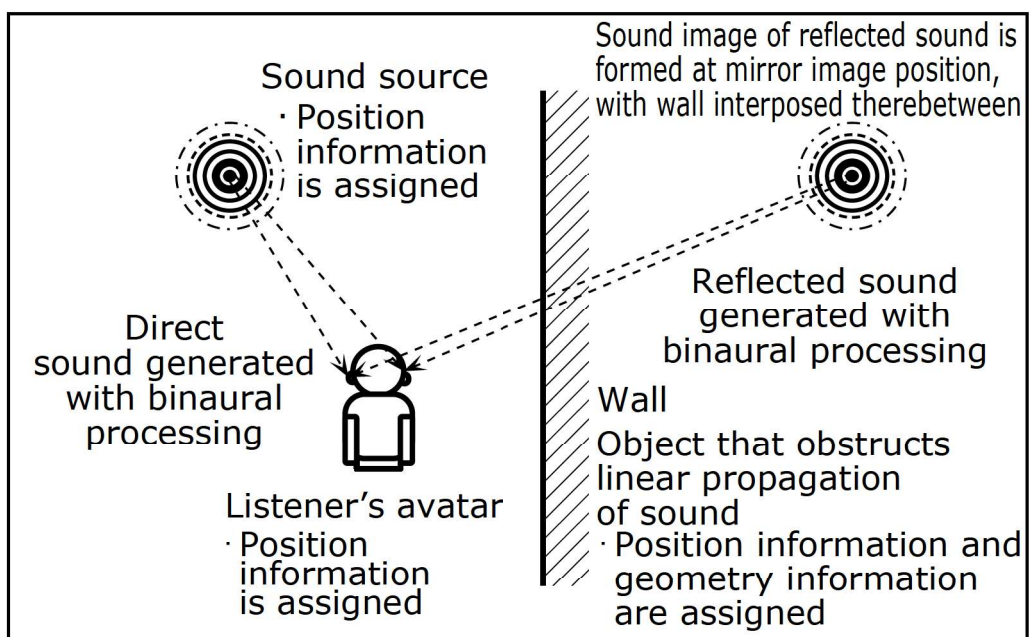


FIG. 10

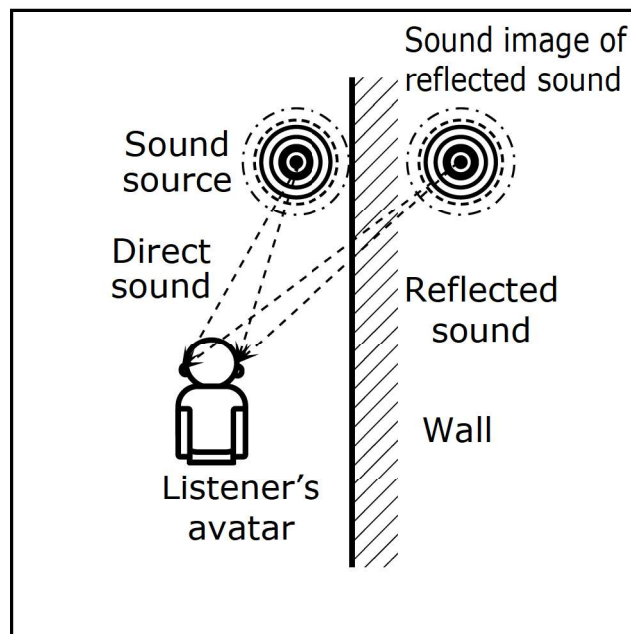
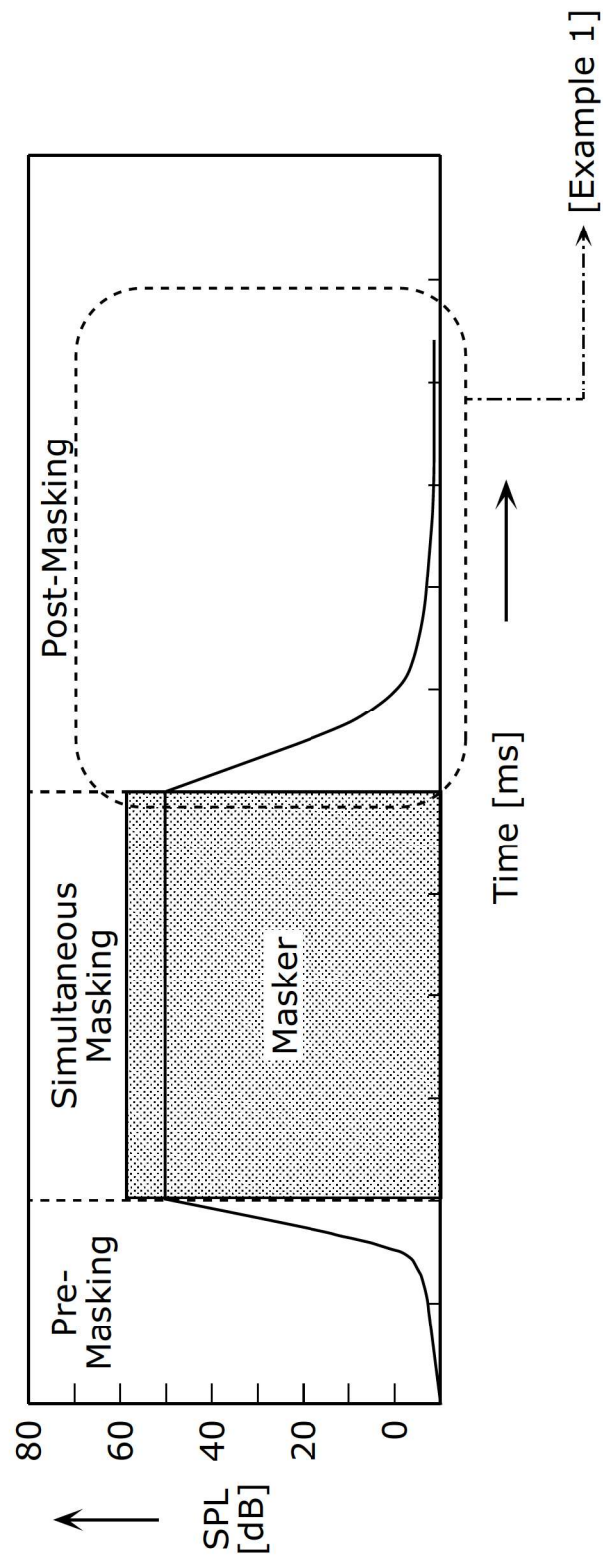


FIG. 11

T	Threshold value
5 ms	-12.5
10 ms	-15.8
20 ms	-22.5
30 ms	-30.5
40 ms	-38.2
50 ms	-45.1
60 ms	-53.0

FIG. 12A



Store, in memory, post-masking trend
in temporal masking as threshold value

FIG. 12B

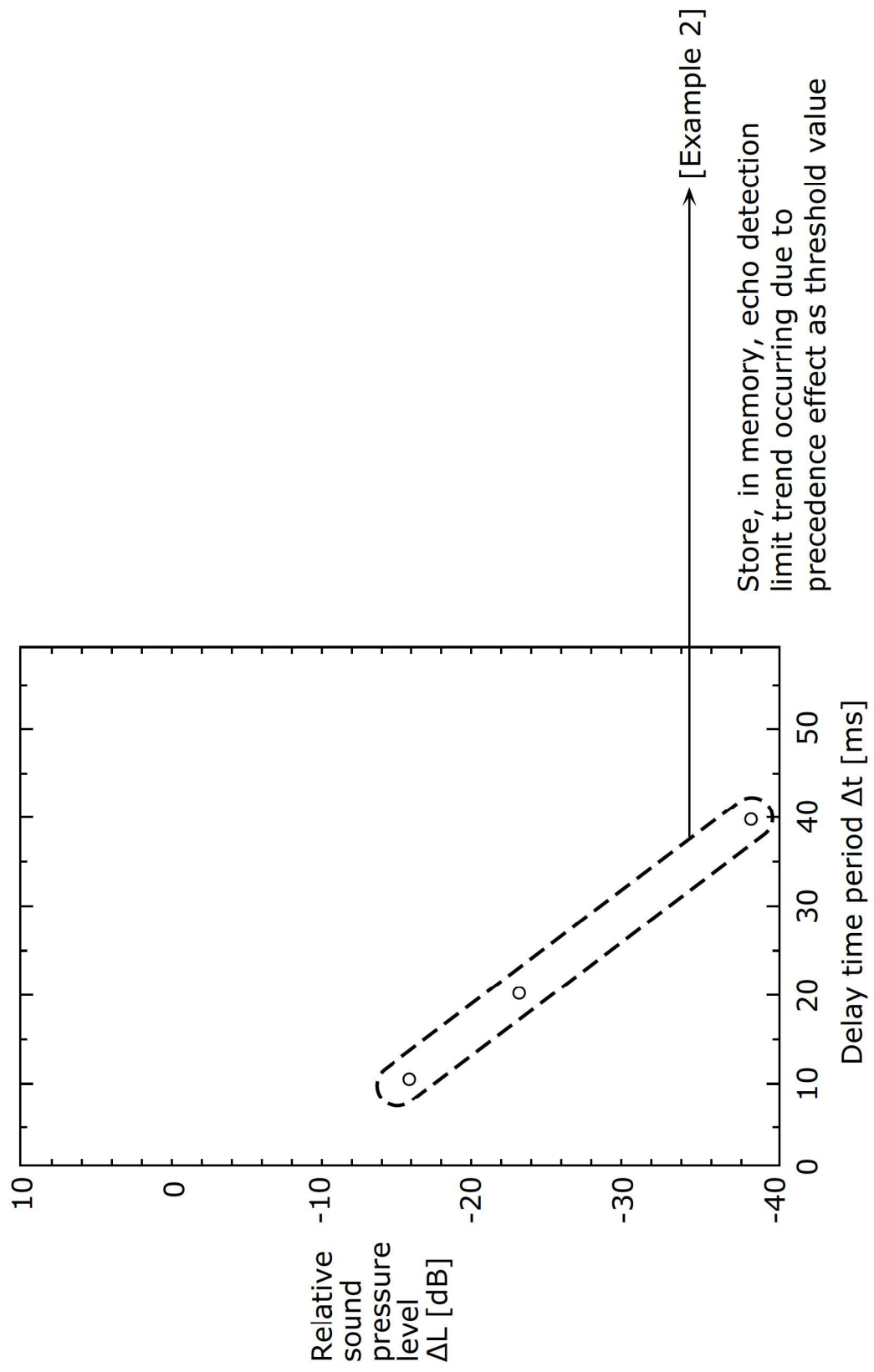


FIG. 12C

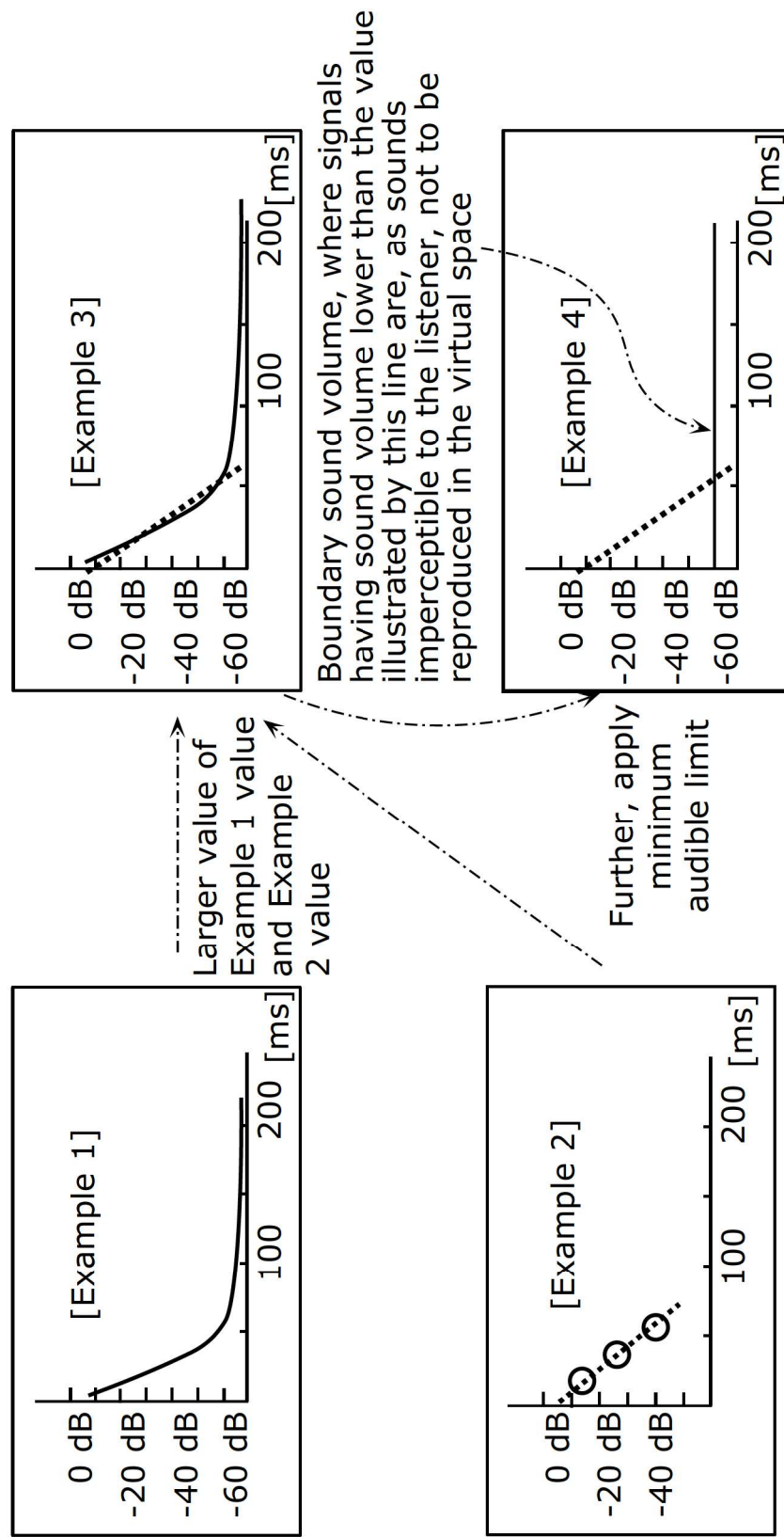


FIG. 13

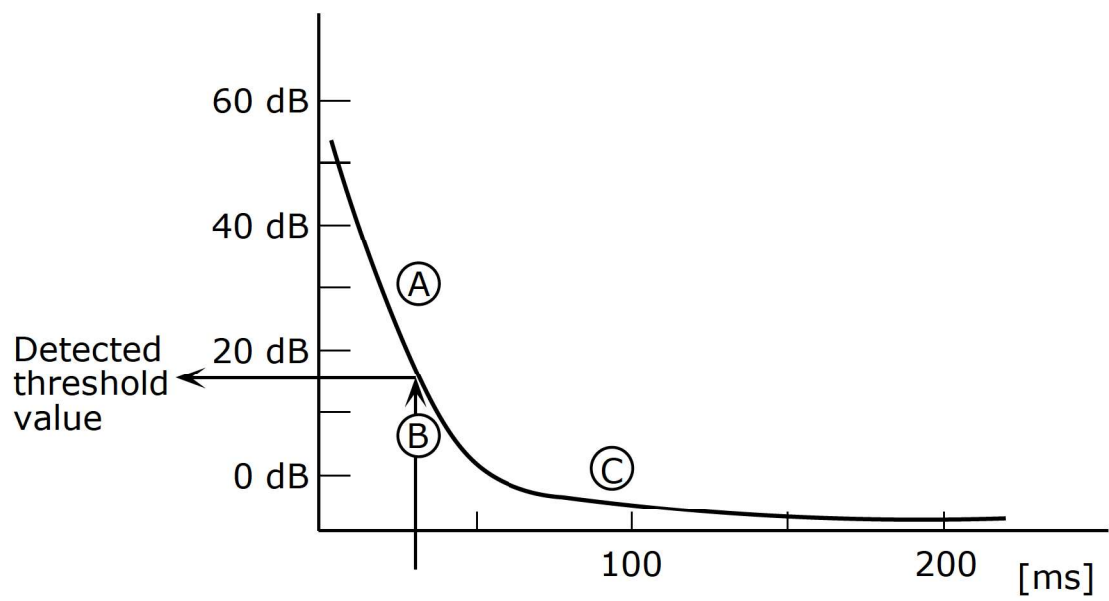


FIG. 14

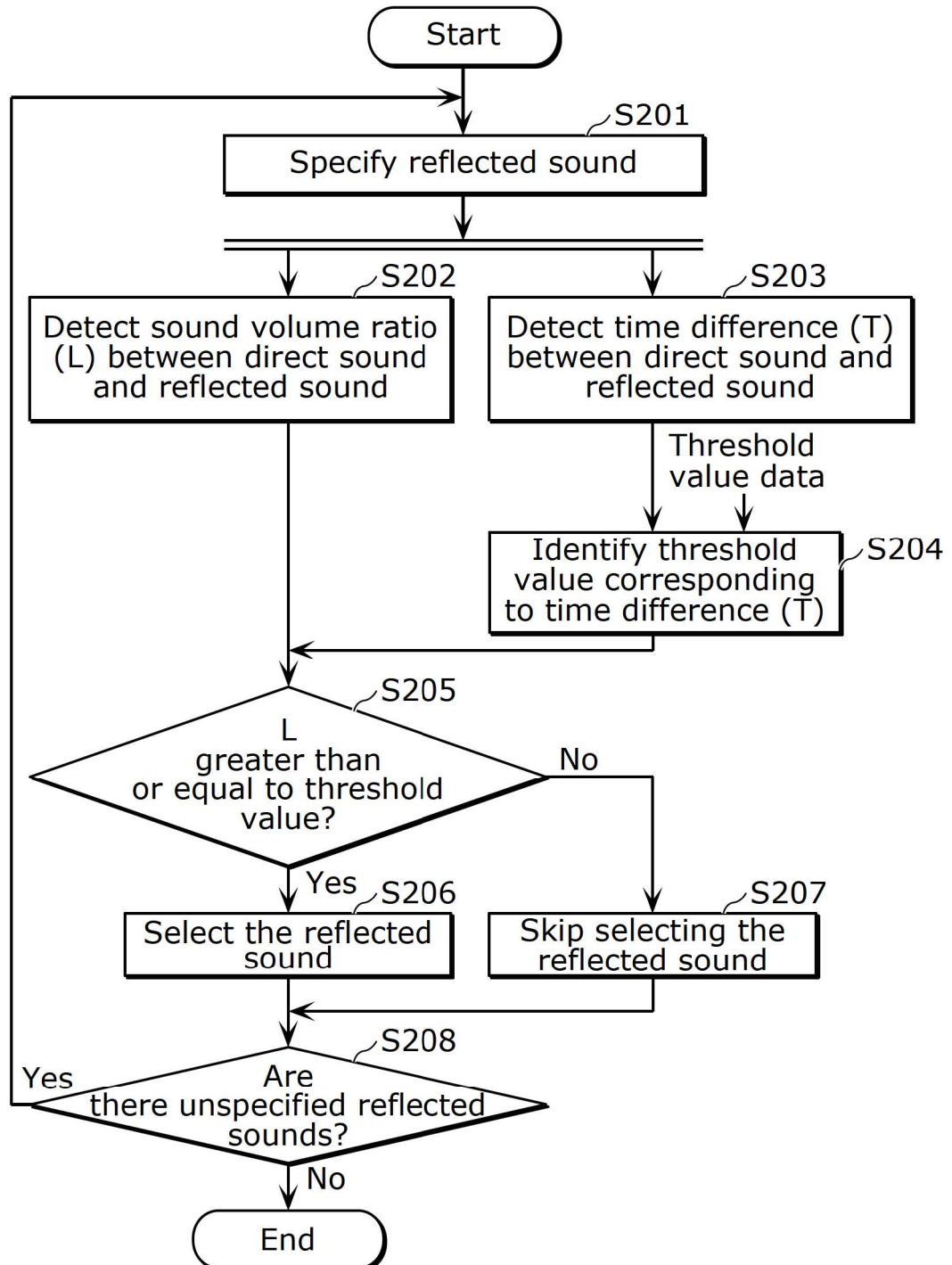


FIG. 15

Direct sound direction (θ)	Reflected sound direction (γ)	T	Threshold value
0°	0°	5 ms	-12.5
		10 ms	-15.8
		20 ms	-22.5
		30 ms	-30.5
		40 ms	-38.2
		50 ms	-45.1
		60 ms	-53.0
	45°	5 ms	• •
		10 ms	• •
	315°	5 ms	• •
		10 ms	• •
		20 ms	• •
		30 ms	• •
		40 ms	• •
		50 ms	• •
		60 ms	• •
45°	0°	5 ms	• •

FIG. 16

Angular difference (Φ)	τ	Threshold value
0°	5 ms	-12.5
	10 ms	-15.8
	20 ms	-22.5
	30 ms	-30.5
	40 ms	-38.2
	50 ms	-45.1
	60 ms	-53.0
45°	5 ms	• •
	10 ms	• •
	20 ms	• •
	30 ms	• •
	40 ms	• •
	50 ms	• •
	60 ms	• •
		
315°	5 ms	• •
	10 ms	• •
	20 ms	• •
	30 ms	• •
	40 ms	• •
	50 ms	• •
	60 ms	• •

FIG. 17

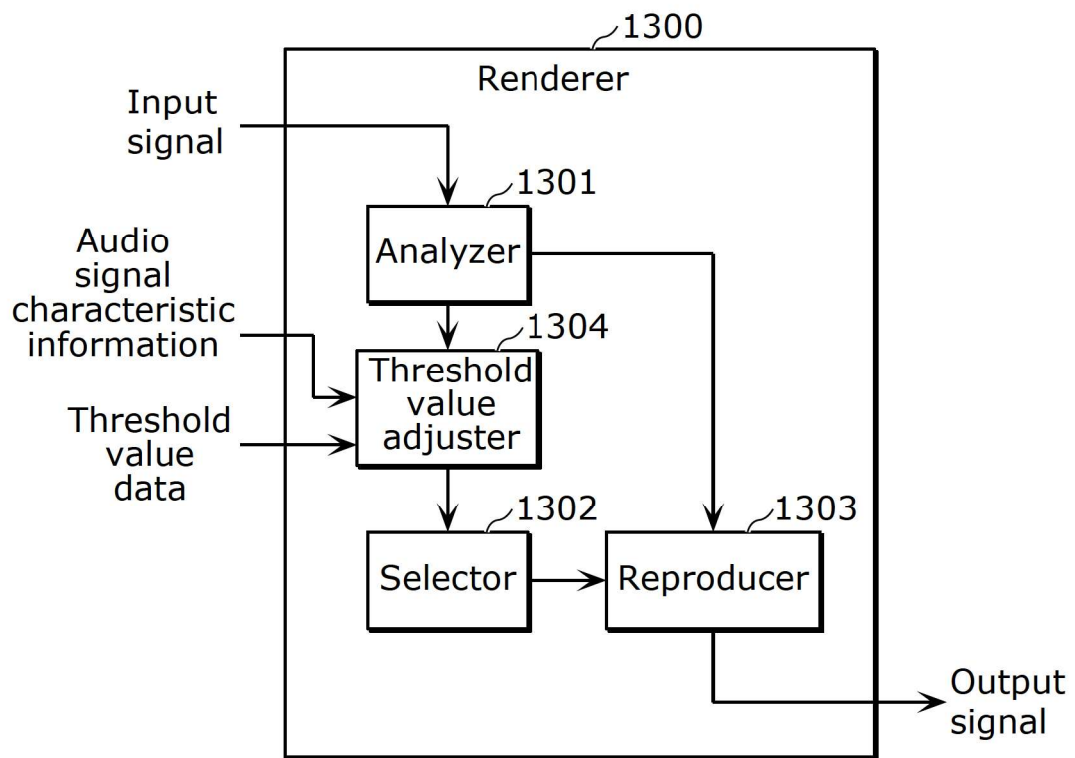


FIG. 18

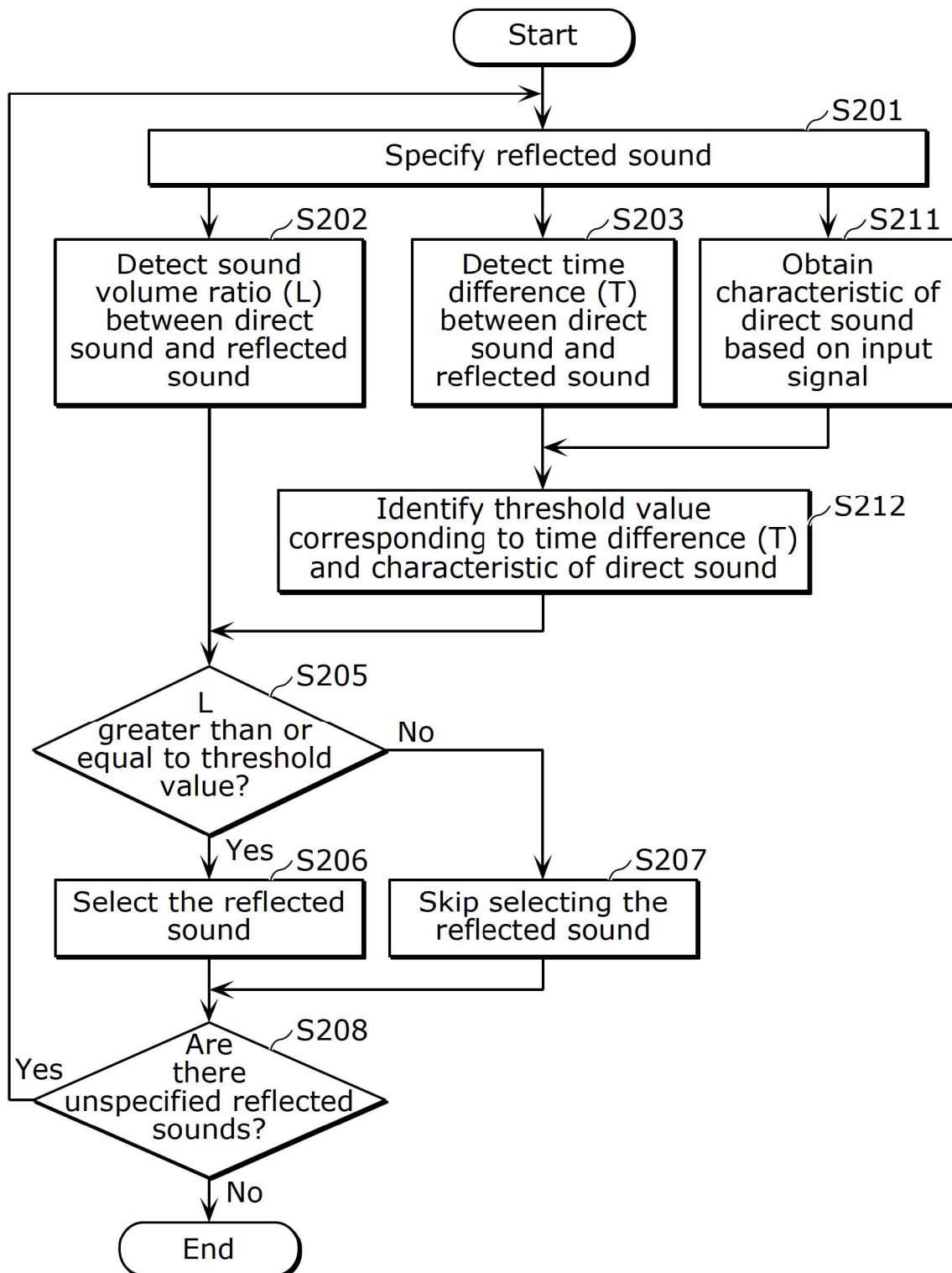


FIG. 19

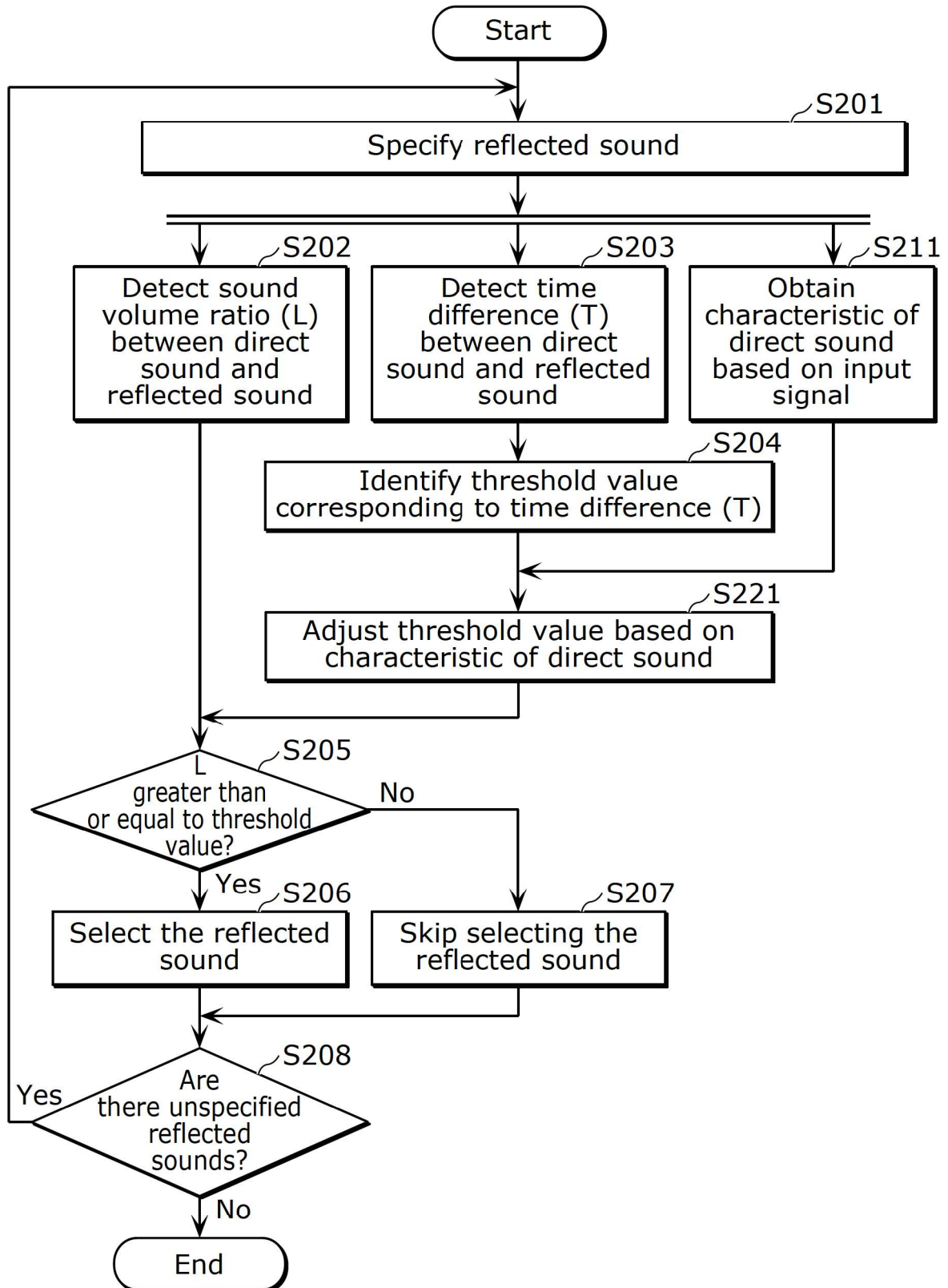


FIG. 20

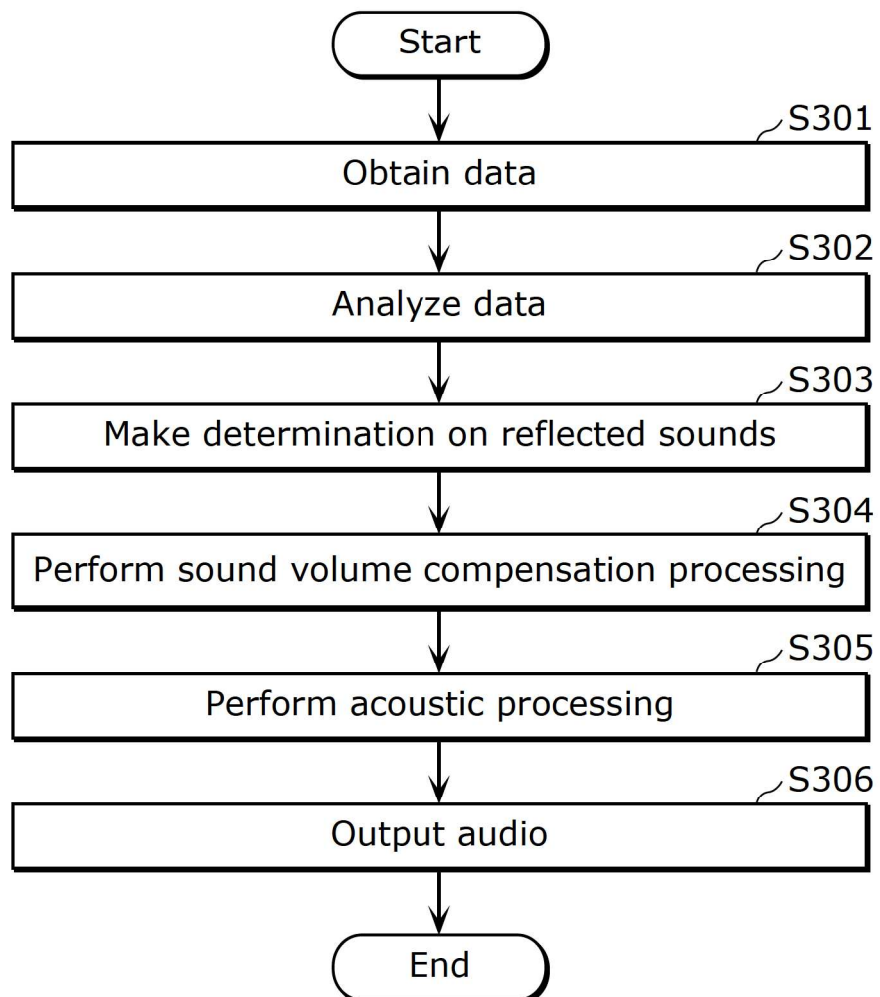


FIG. 21

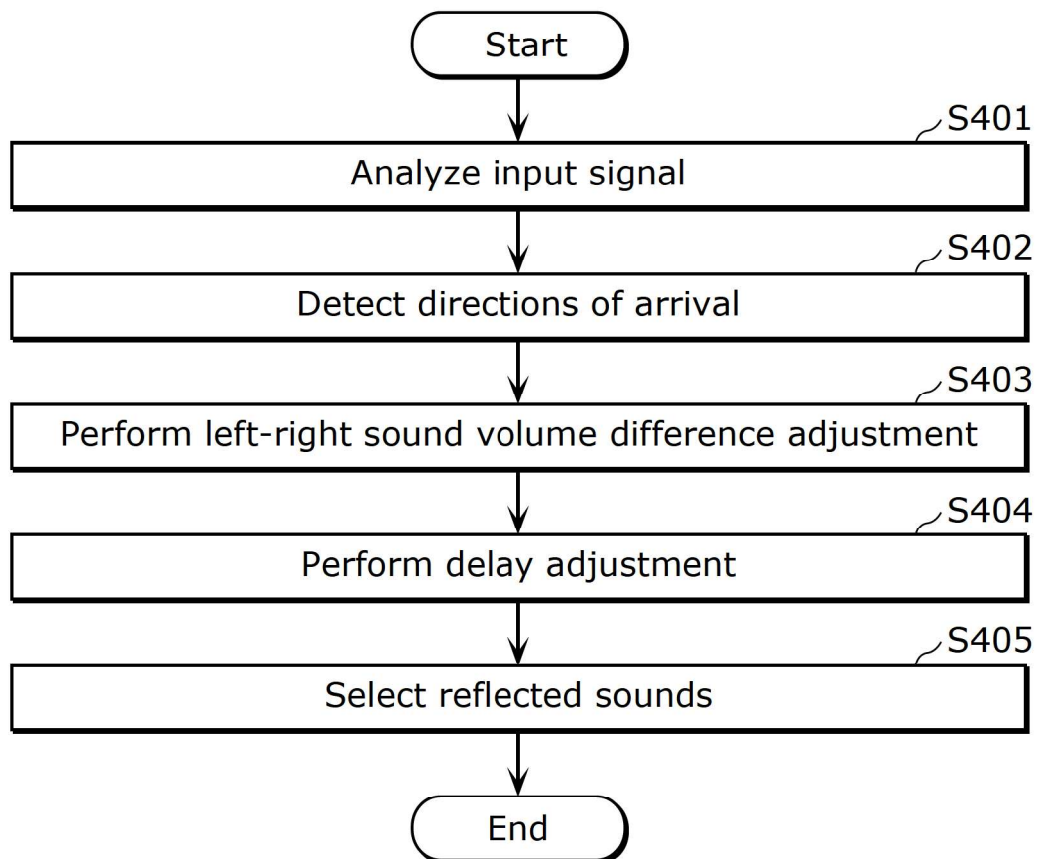


FIG. 22

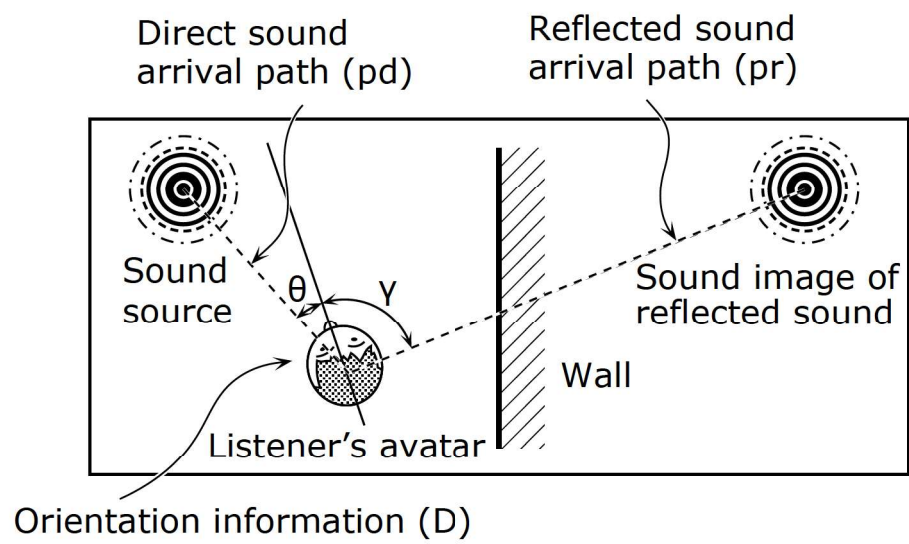


FIG. 23

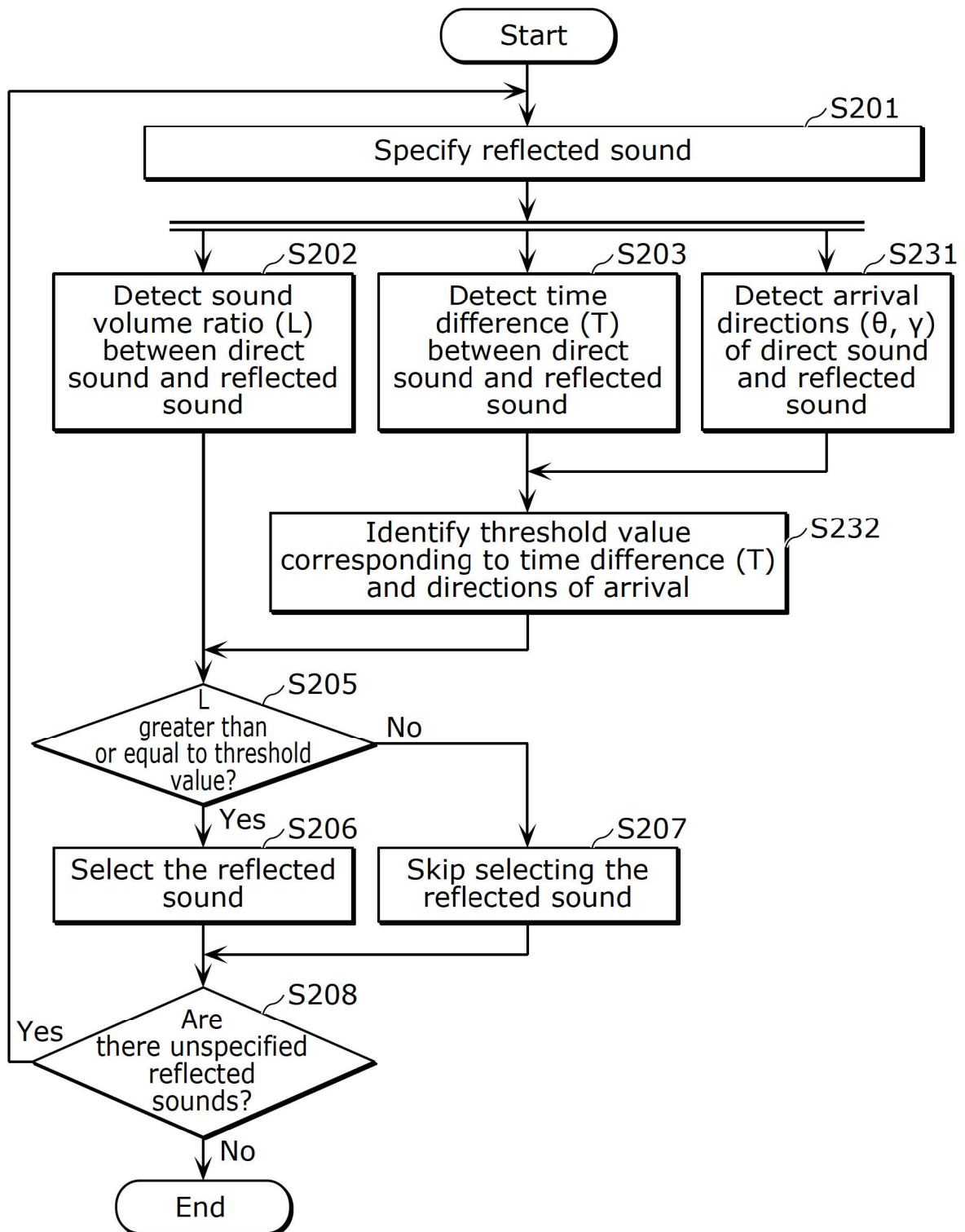


FIG. 24

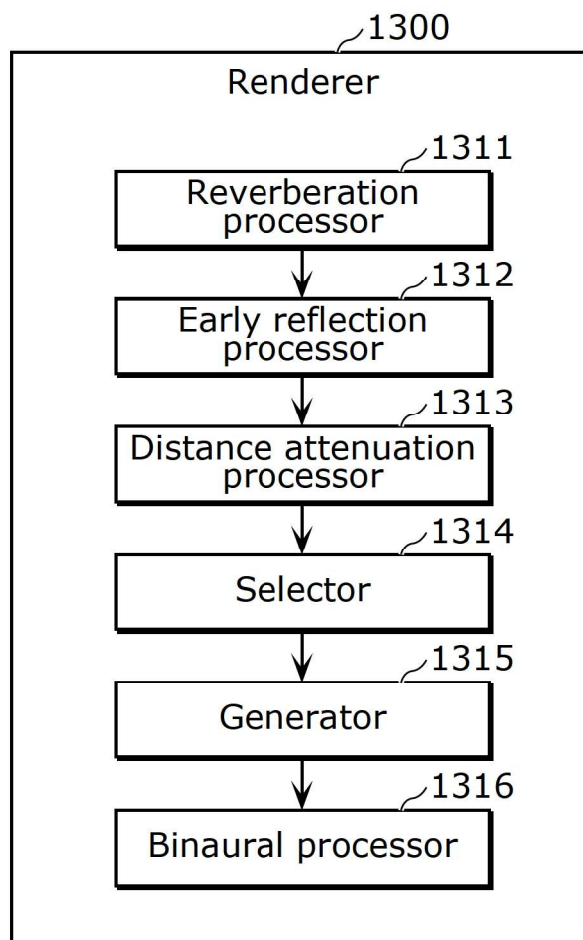


FIG. 25

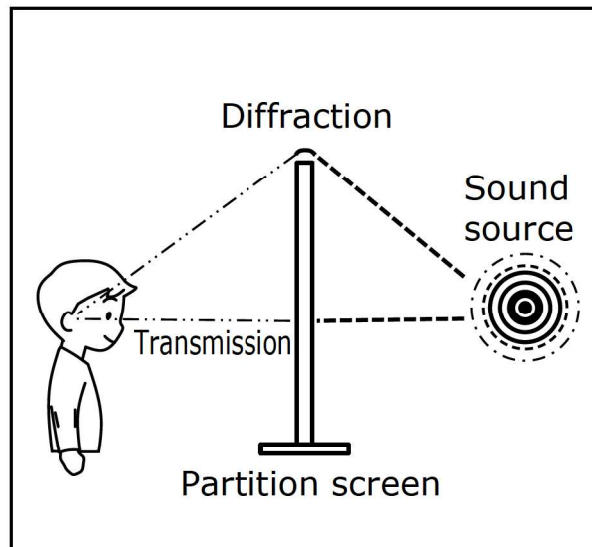


FIG. 26

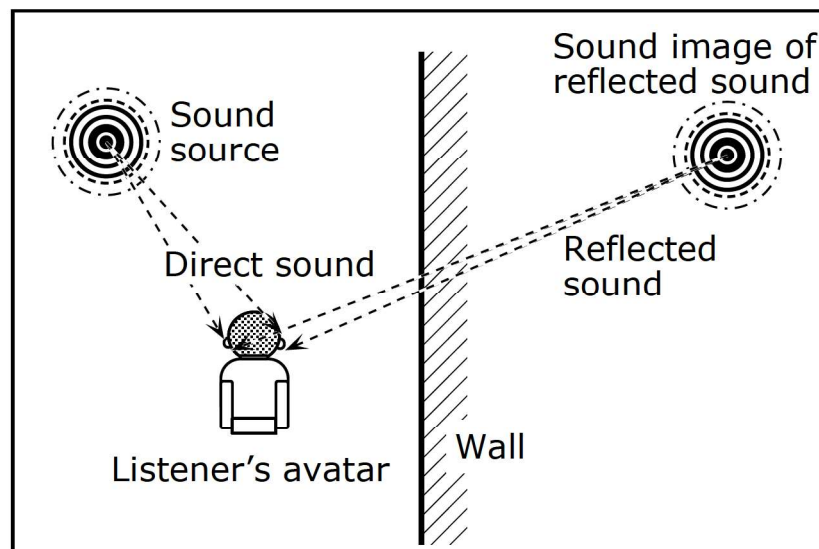


FIG. 27

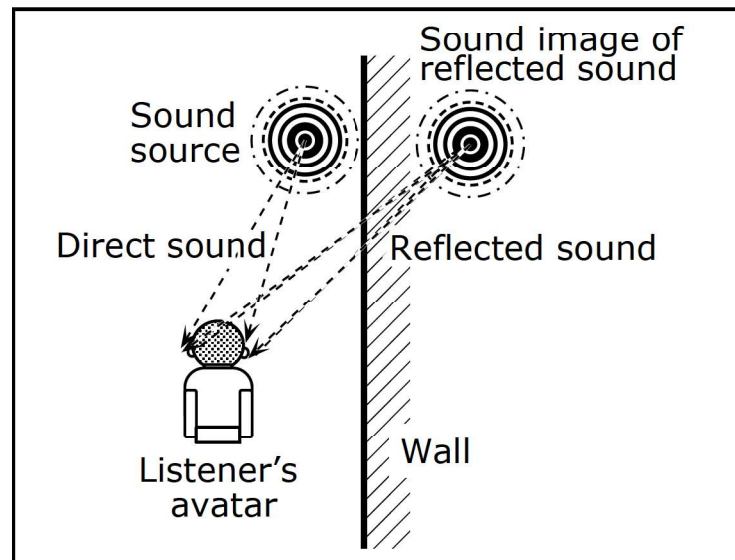


FIG. 28

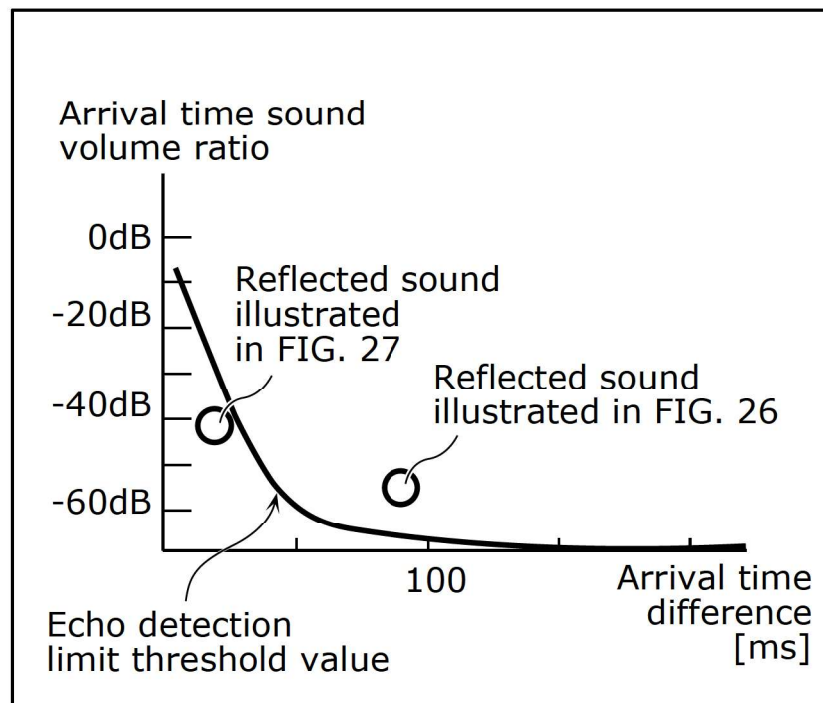


FIG. 29

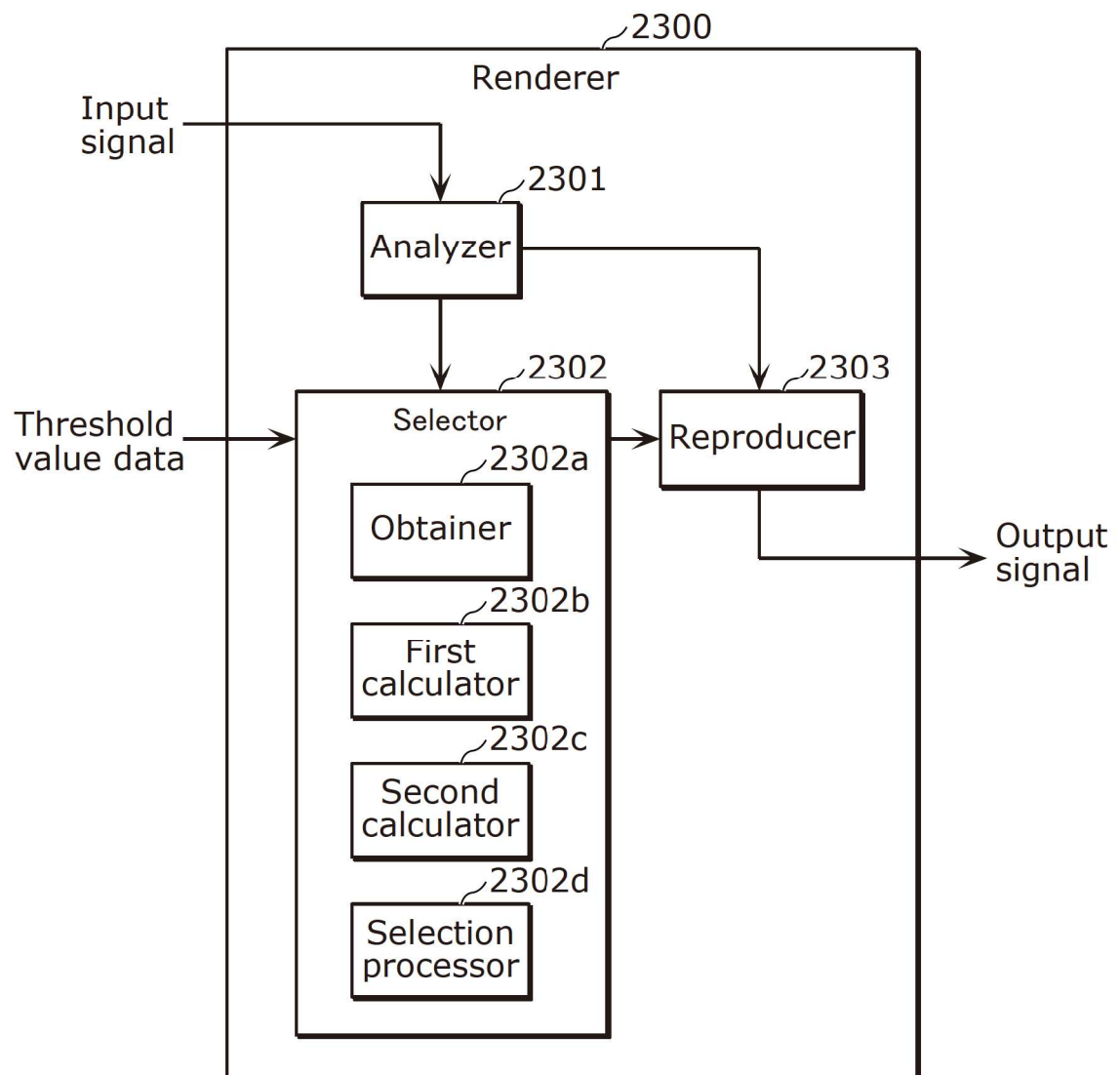


FIG. 30

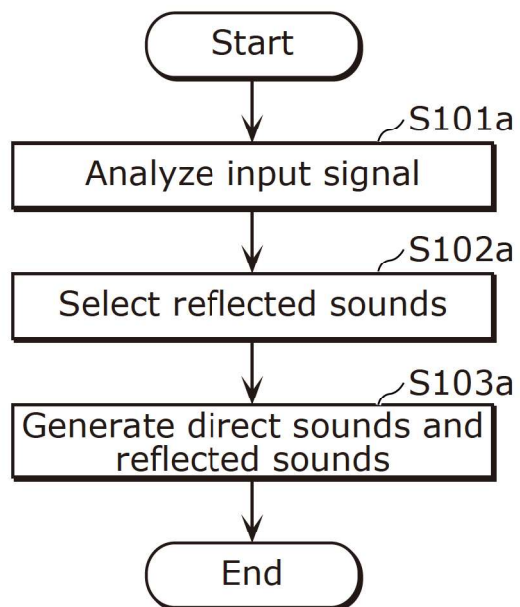


FIG. 31

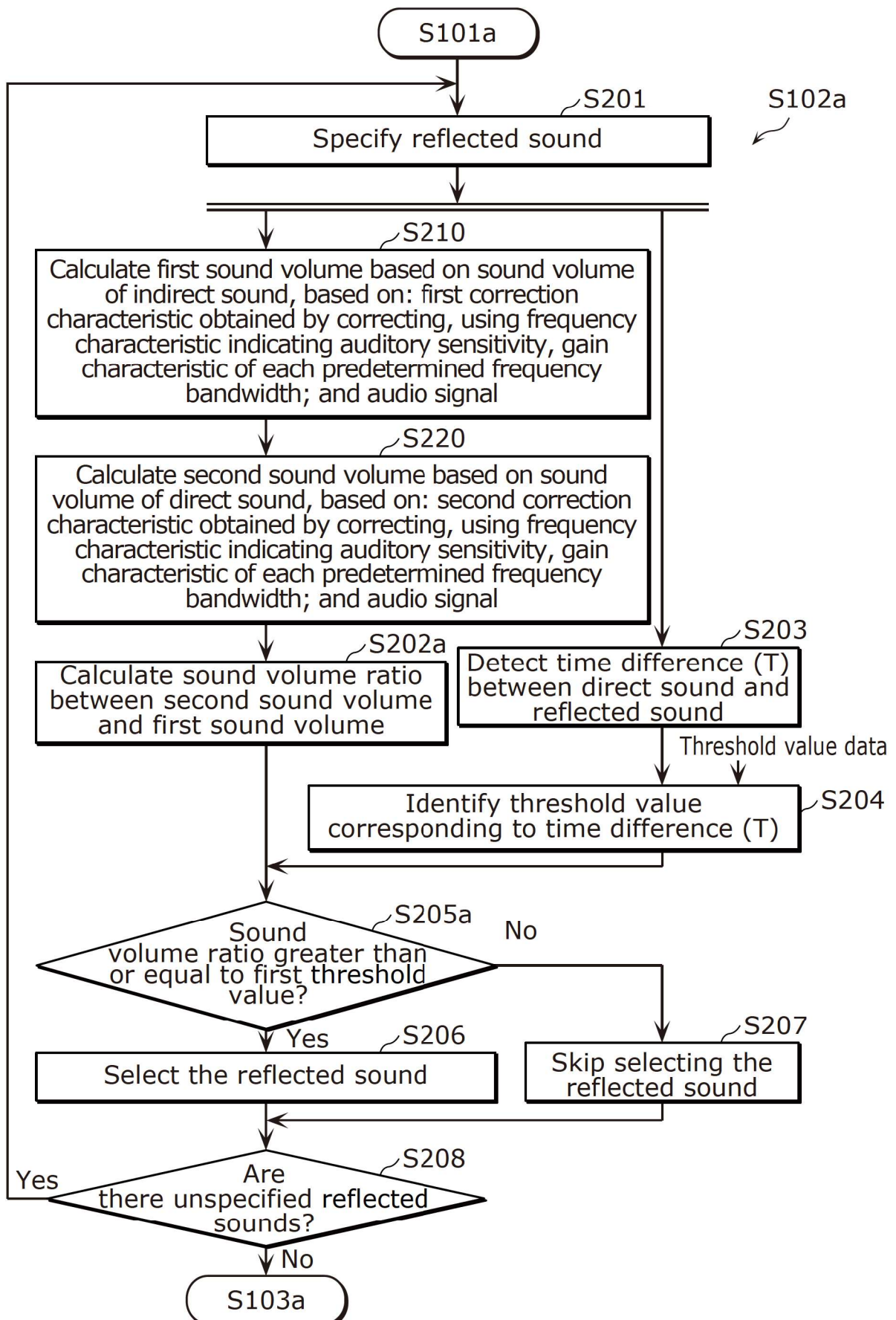


FIG. 32

- Wall surface having hard surface and numerous irregularities
- Wall surface having hard surface and few irregularities
- △ Wall surface having soft surface

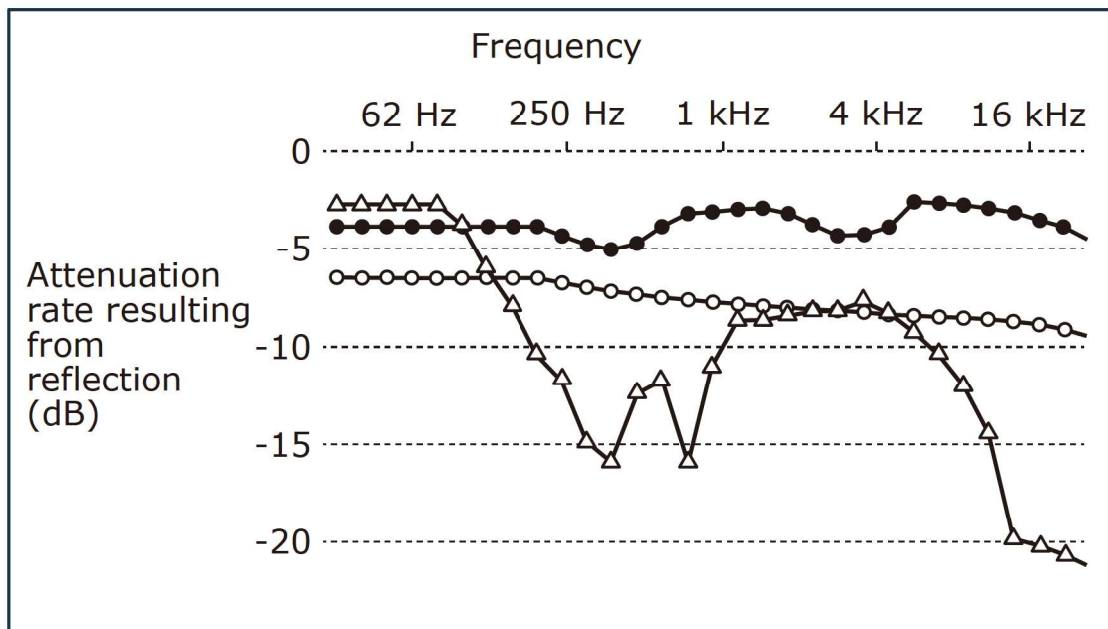


FIG. 33A

Frequency (Hz)	A-weighting characteristic
20	0.00299
25	0.00582
31.5	0.01072
40	0.01862
50	0.03090
63	0.04898
80	0.07499
100	0.11092
125	0.15668
160	0.21380
200	0.28510
250	0.37154
315	0.46774
400	0.57544
500	0.69183
630	0.80353
800	0.91201
1000	1.00000
1250	1.07152
1600	1.12202
2000	1.14815
2500	1.16145
3150	1.14815
4000	1.12202
5000	1.05925
6300	0.98855
8000	0.88105
10000	0.74989
12500	0.60954
16000	0.46774
20000	0.34277

FIG. 33B

□ A-weighting characteristic

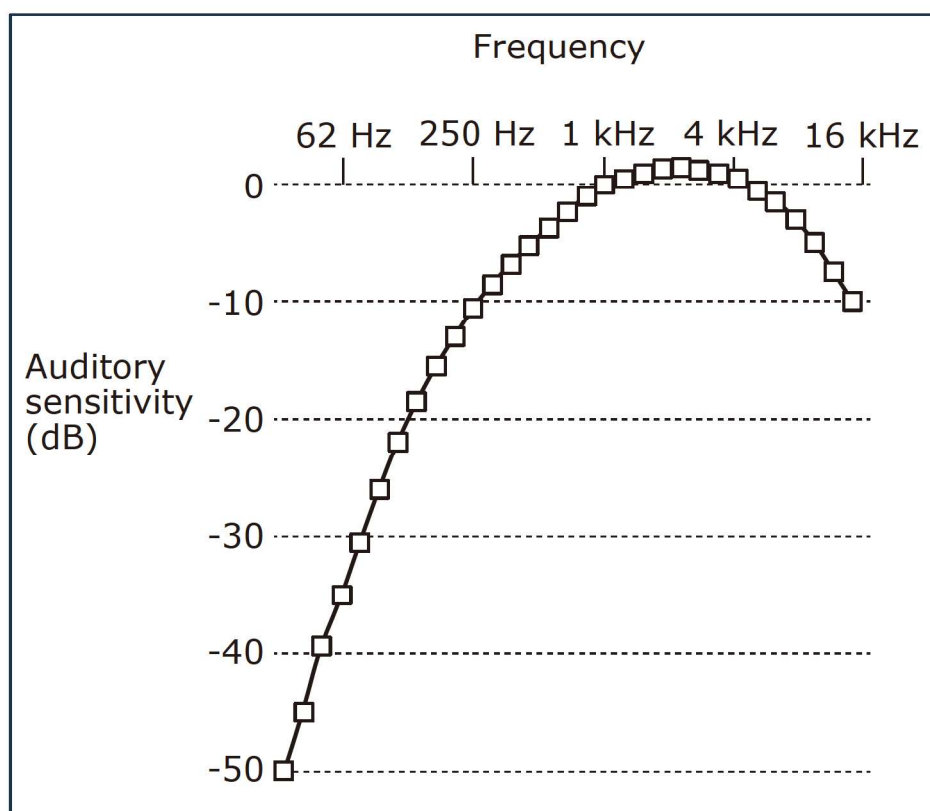


FIG. 34

- △ Wall surface having soft surface
- A-weighting characteristic
- ◇ First correction characteristic

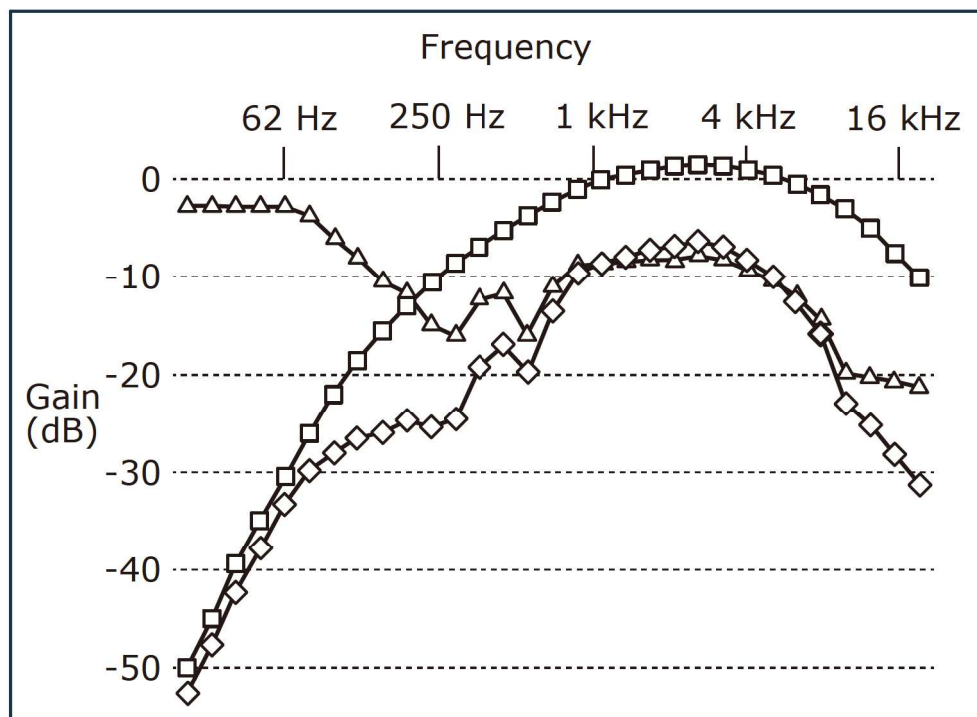


FIG. 35

■ Gain characteristic related to direct sound

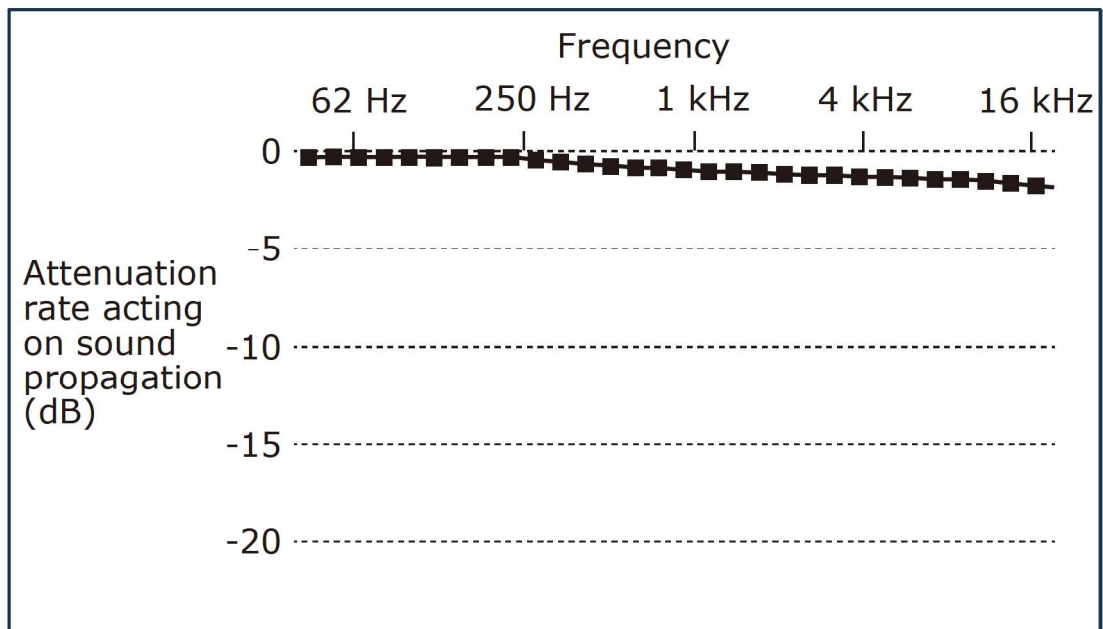


FIG. 36

- Gain characteristic related to direct sound
- A-weighting characteristic
- ◆ Second correction characteristic

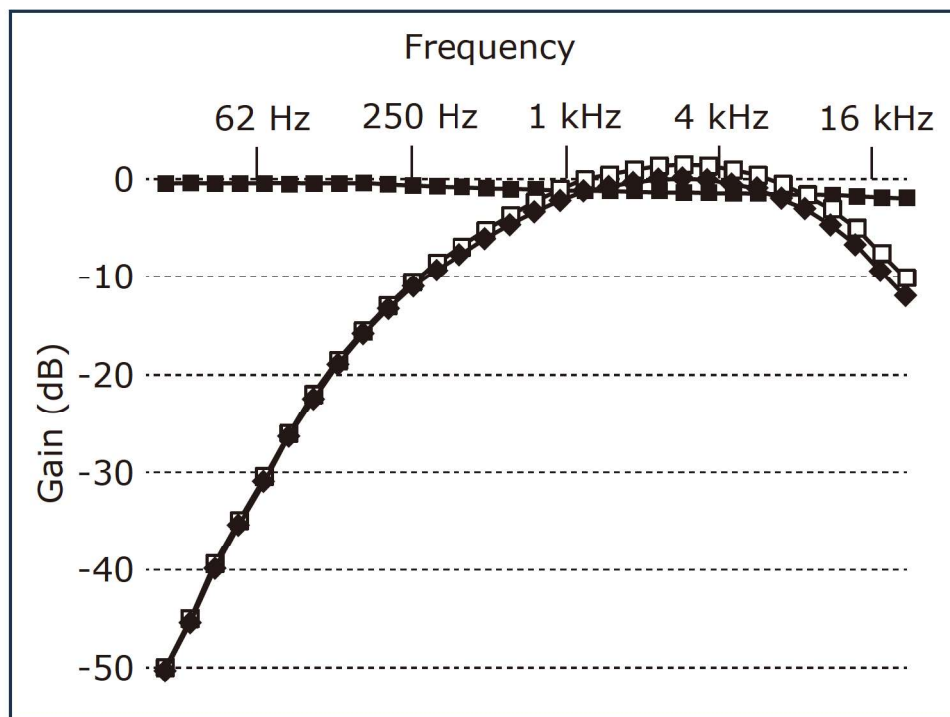


FIG. 37

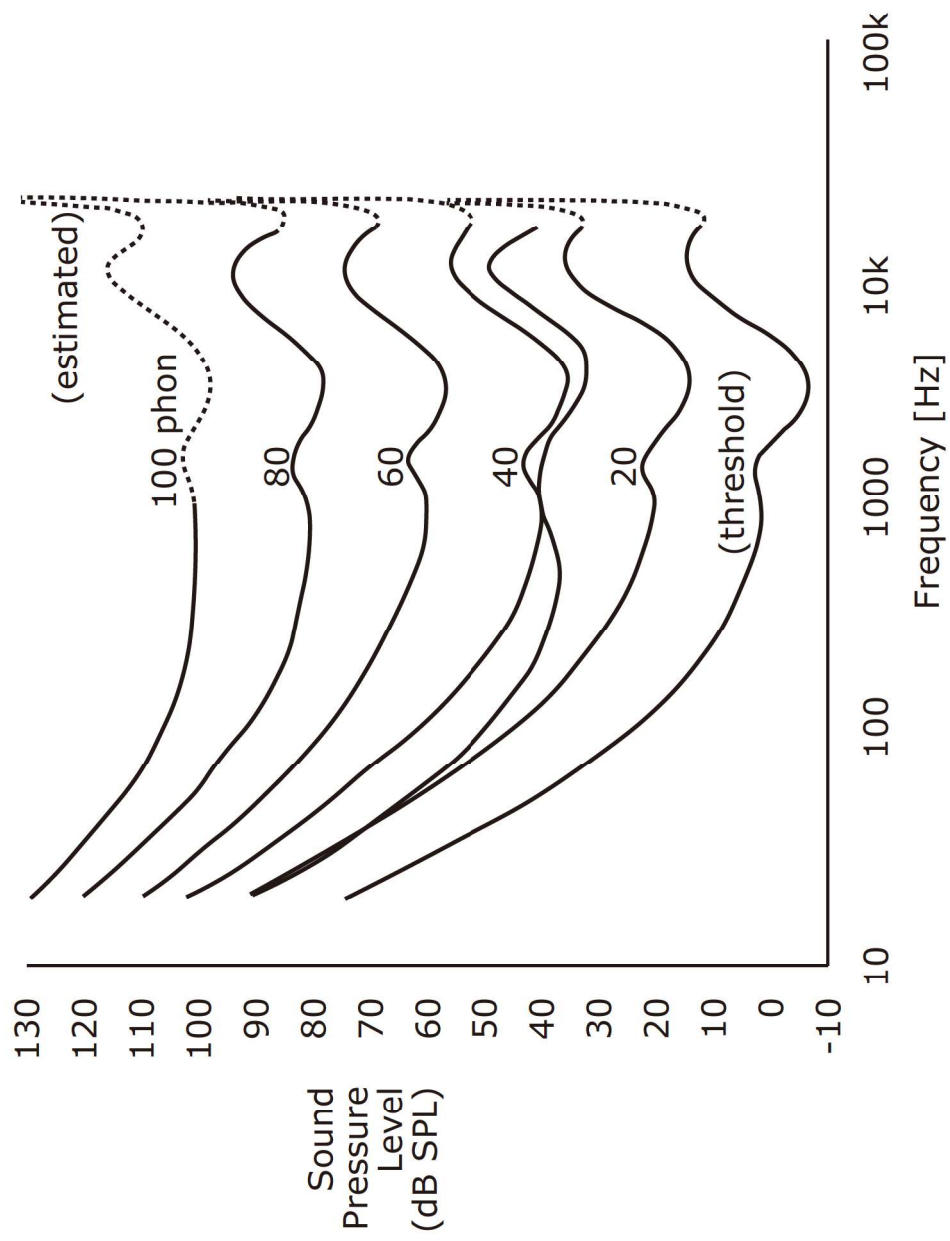


FIG. 38

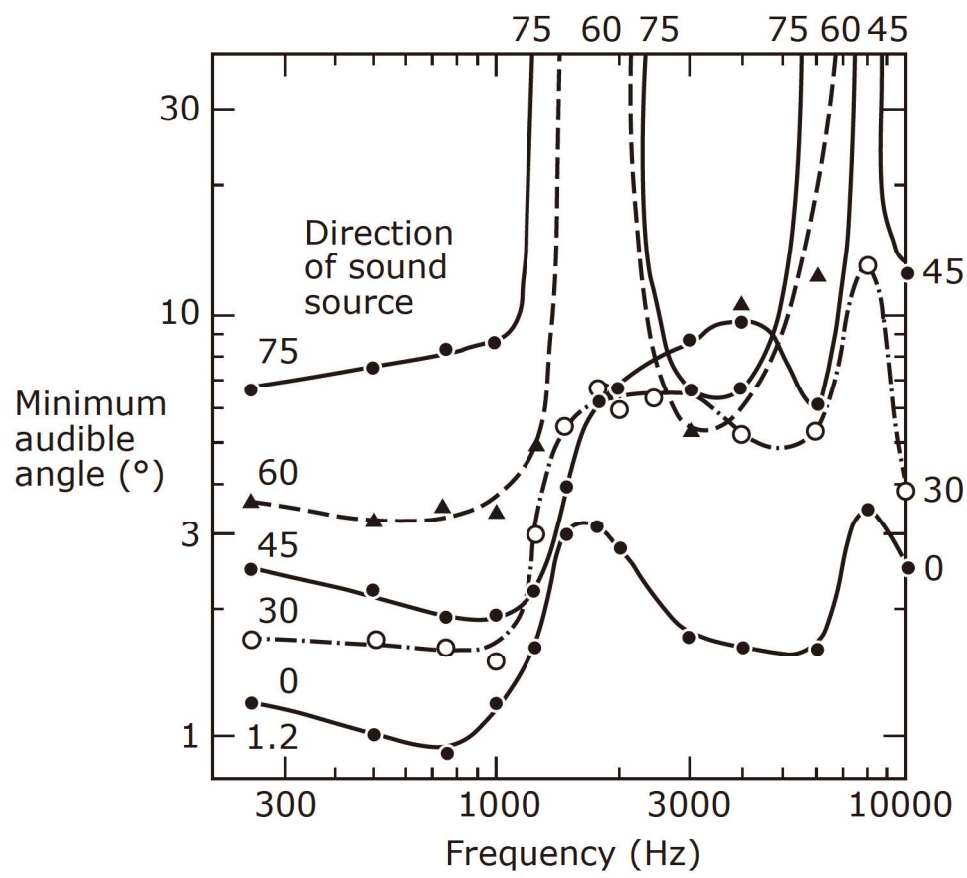


FIG. 39

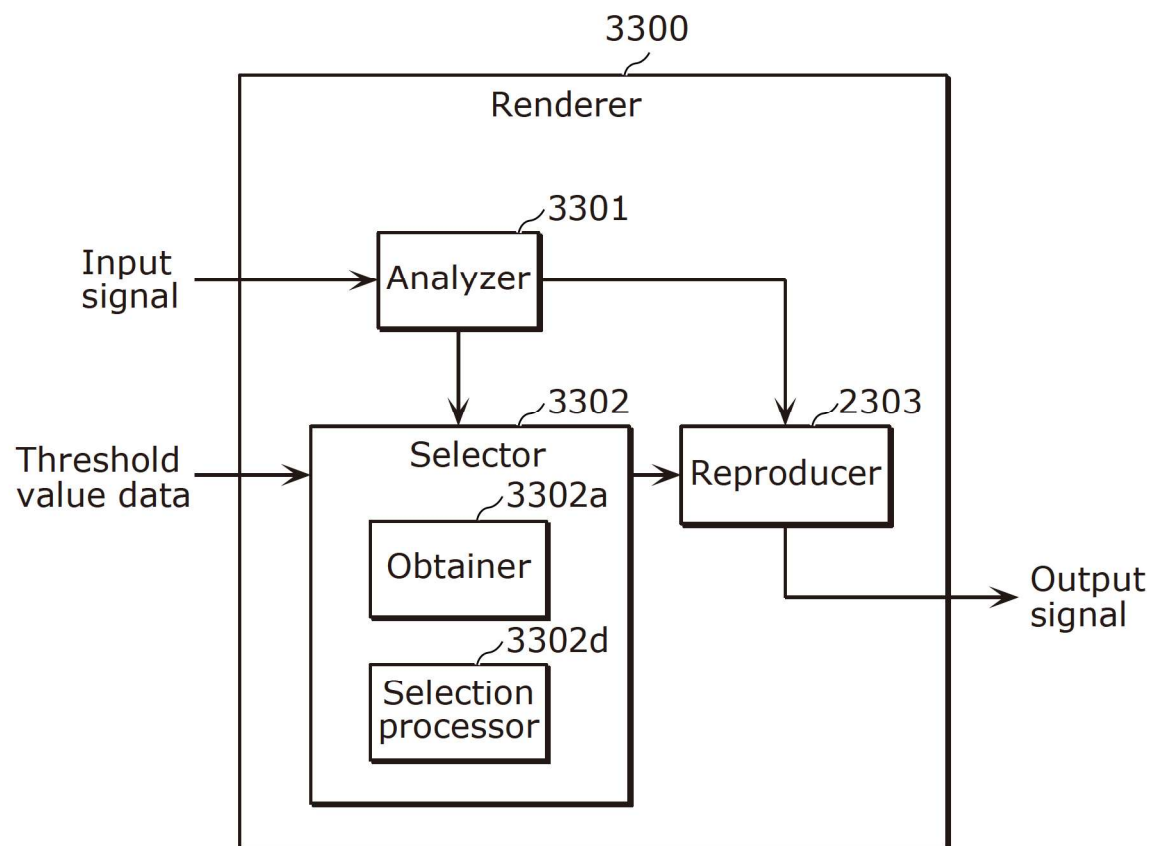


FIG. 40

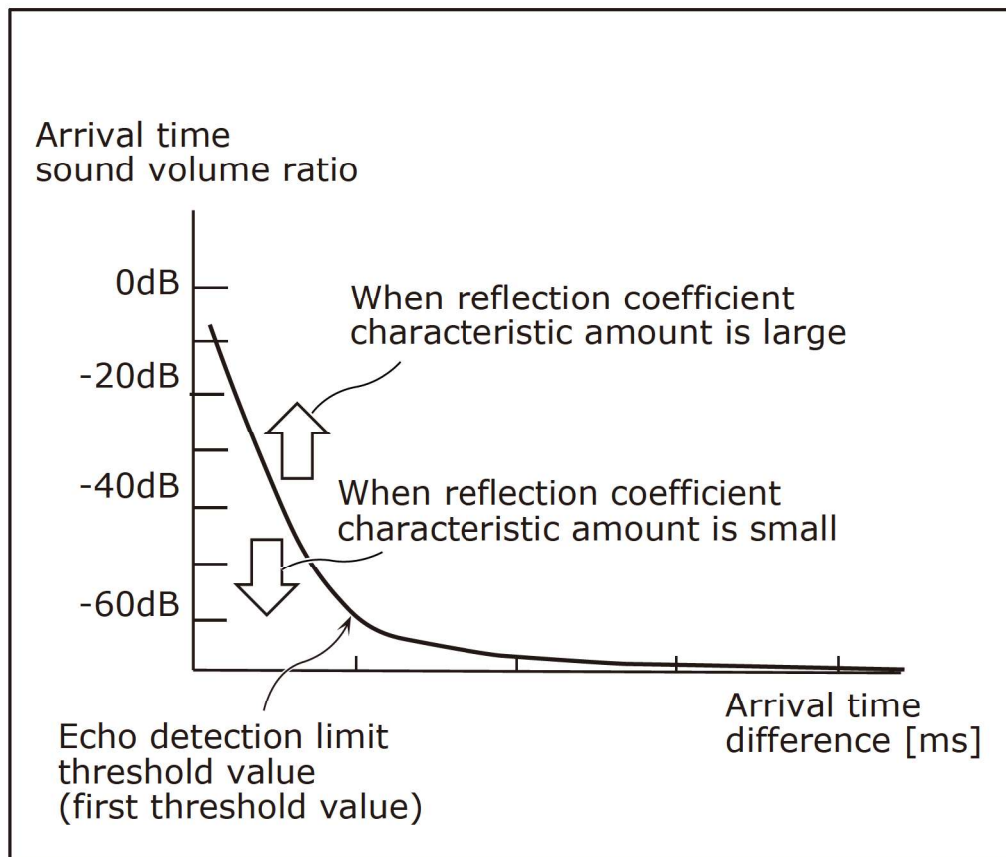


FIG. 41

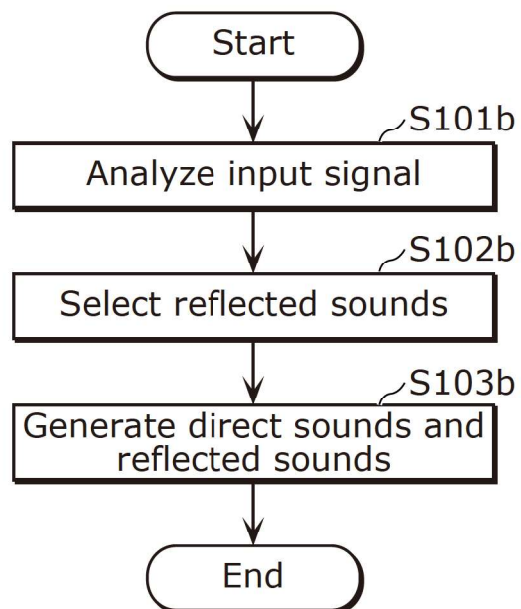


FIG. 42

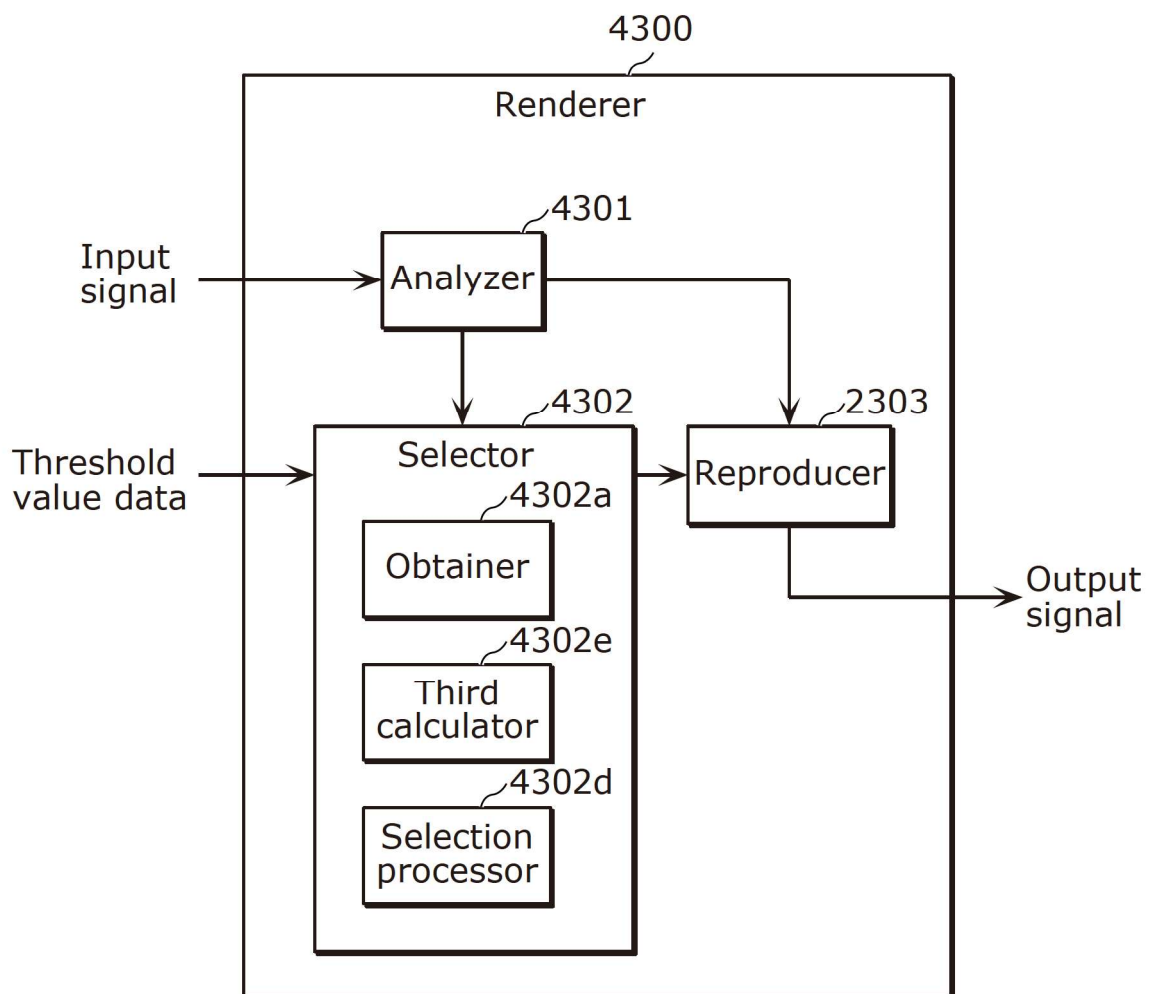


FIG. 43

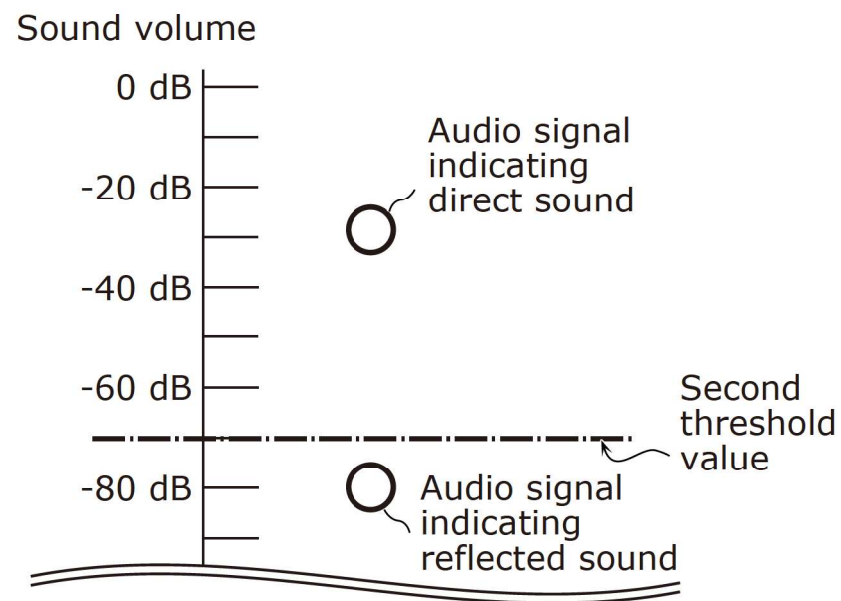


FIG. 44

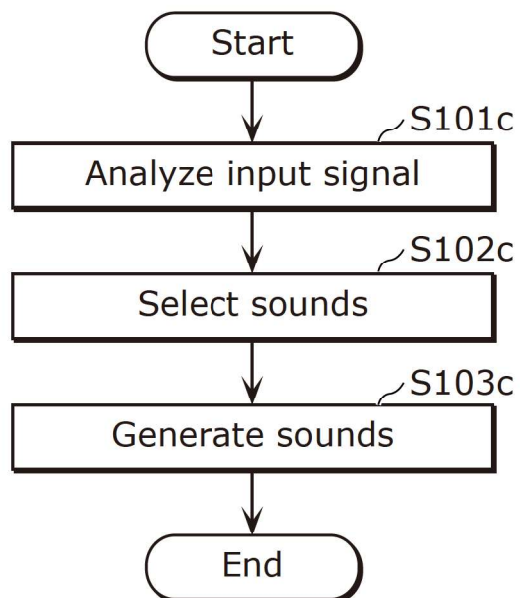


FIG. 45

