

FIG. 1

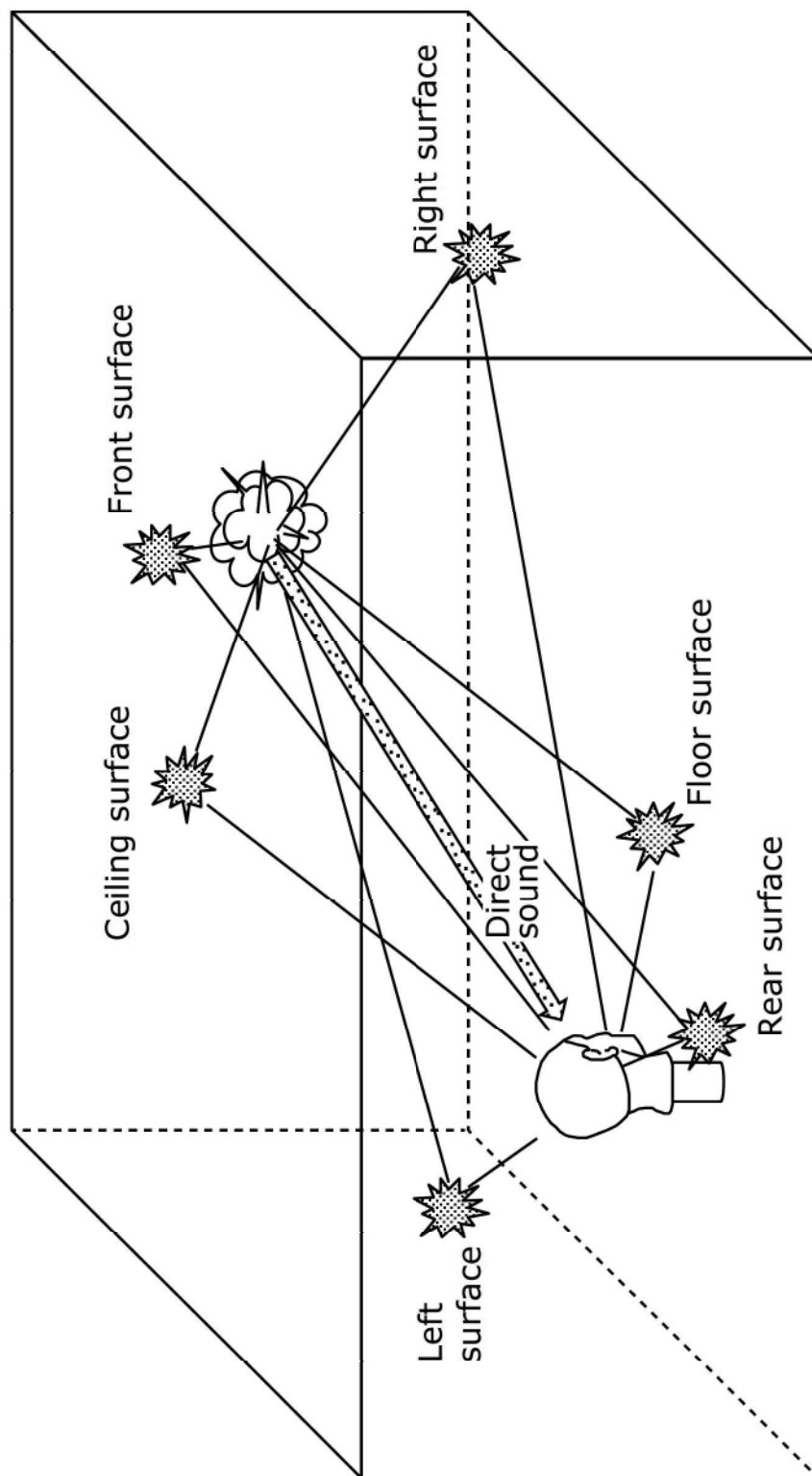


FIG. 2

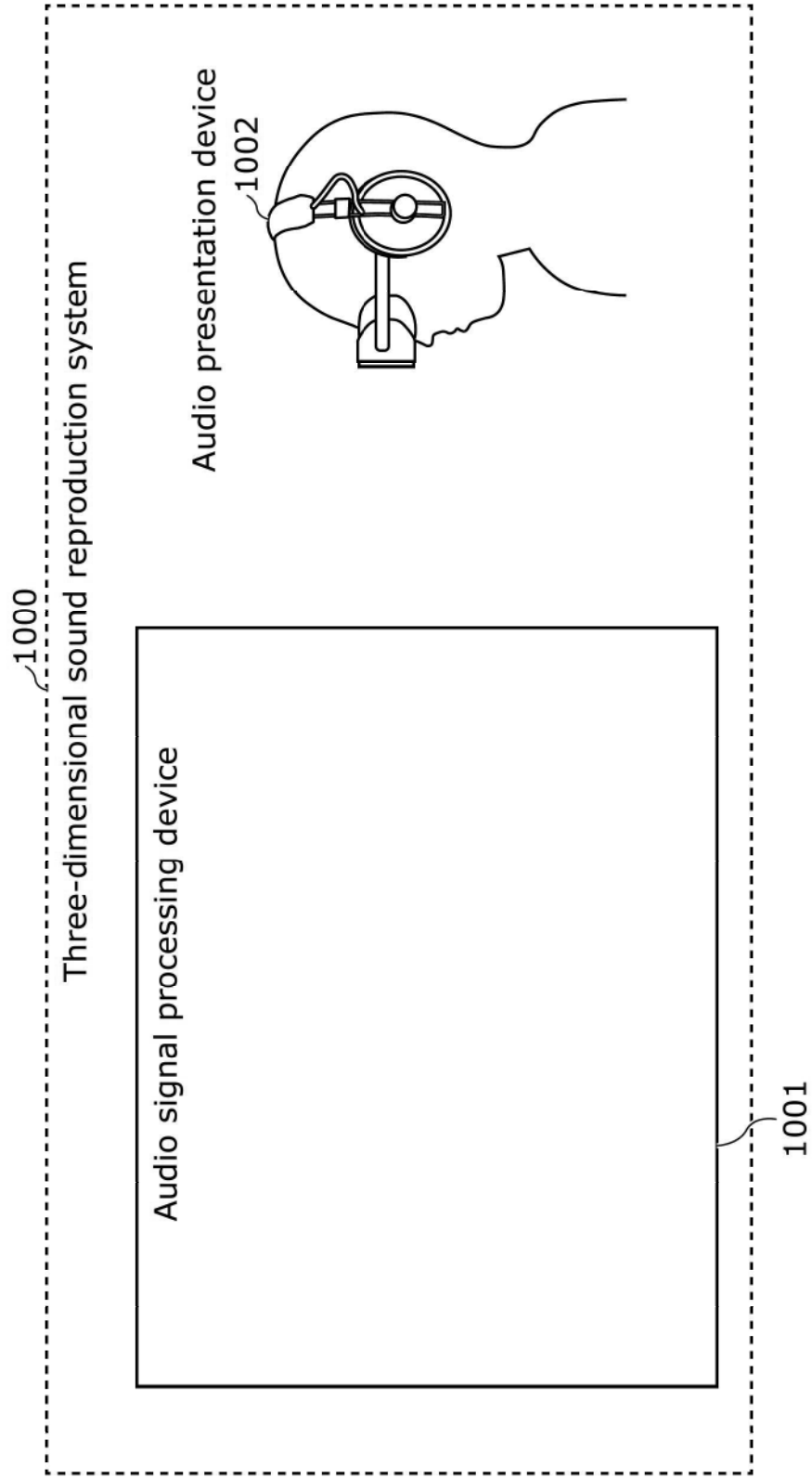


FIG. 3A

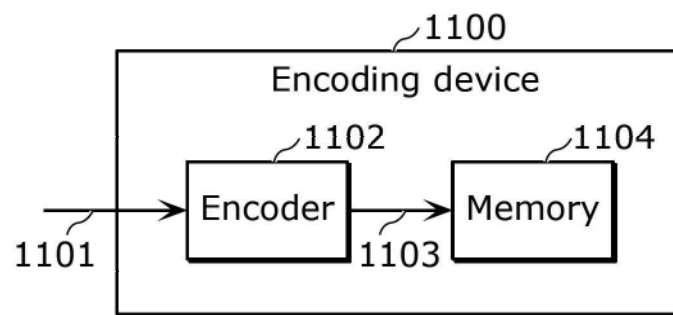


FIG. 3B

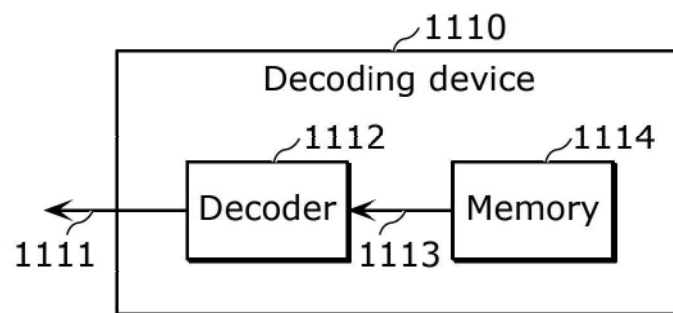


FIG. 3C

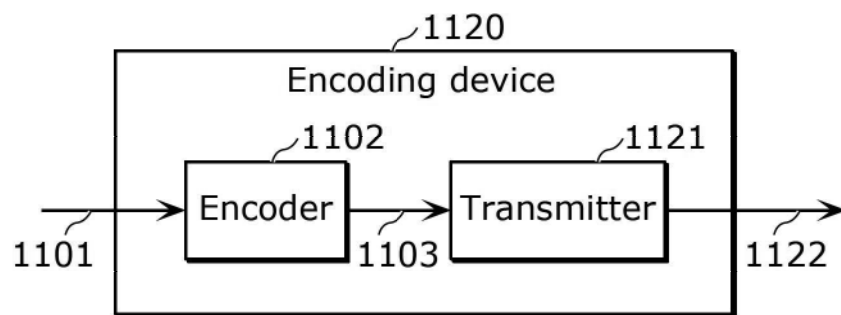


FIG. 3D

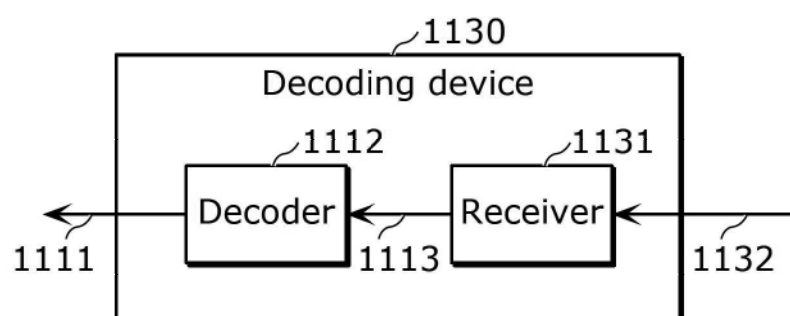


FIG. 4A

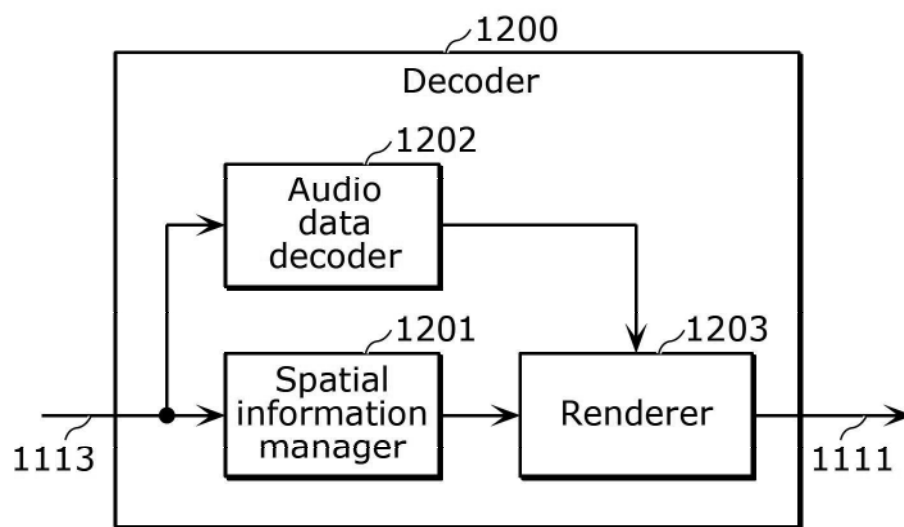


FIG. 4B

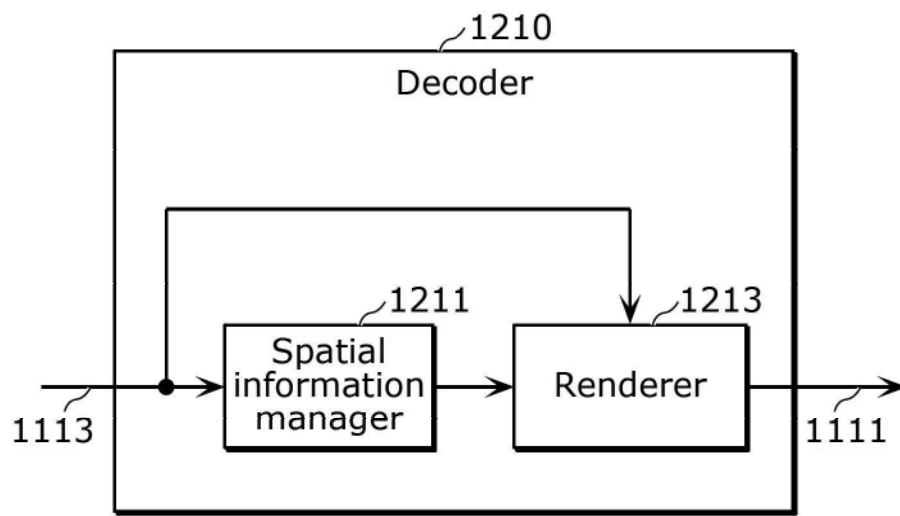


FIG. 5

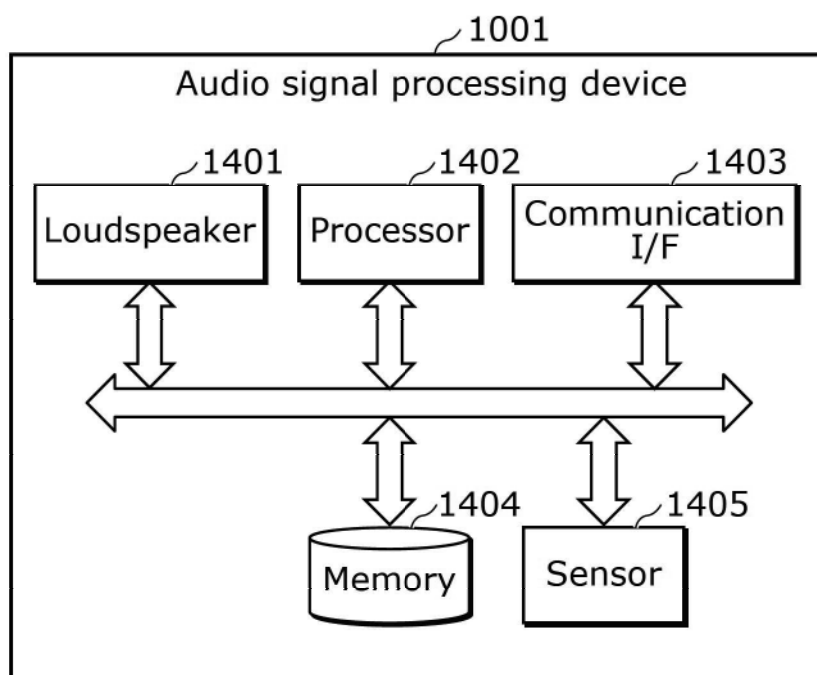


FIG. 6

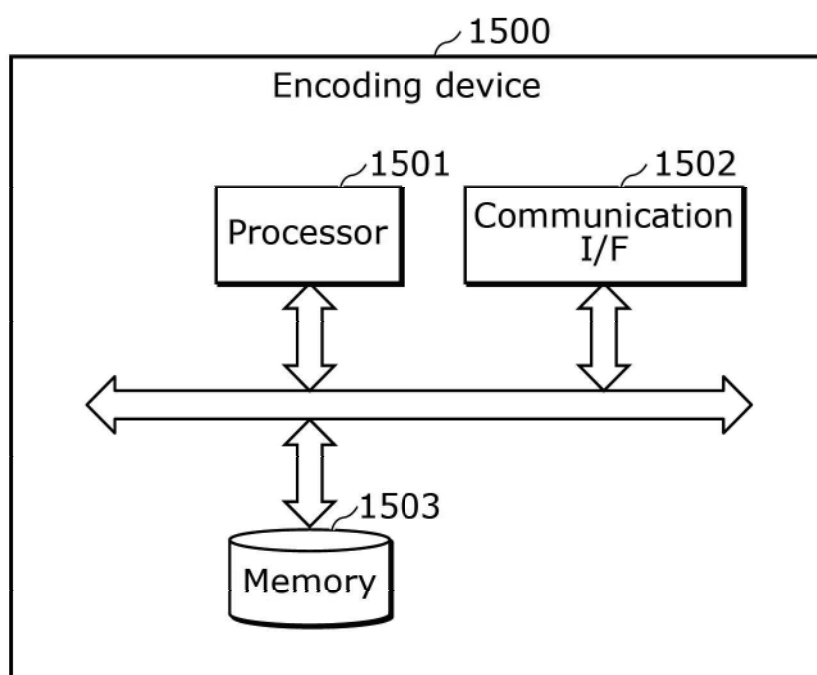


FIG. 7

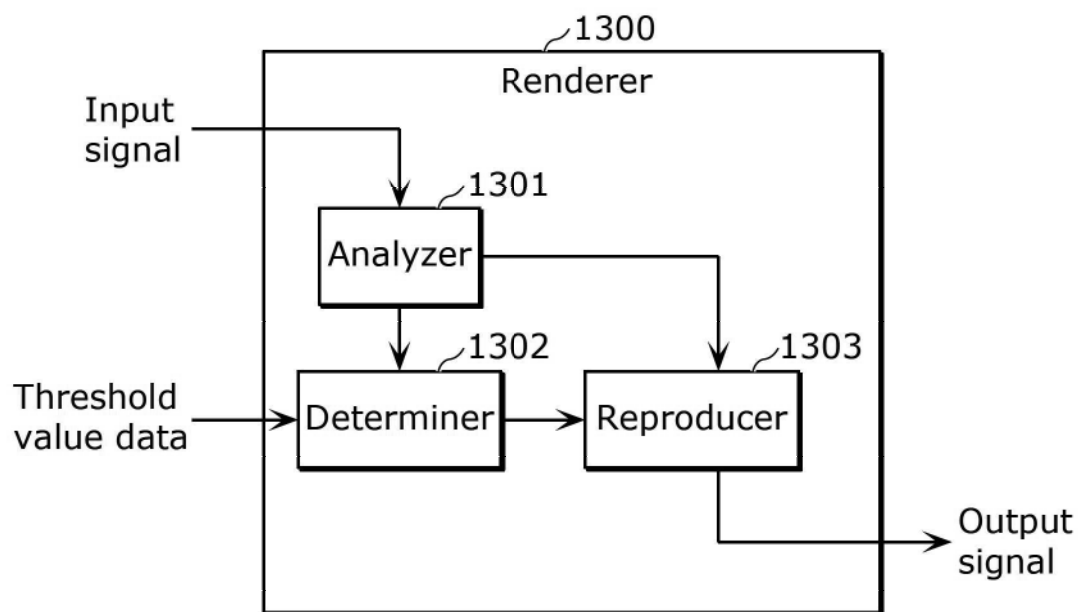


FIG. 8

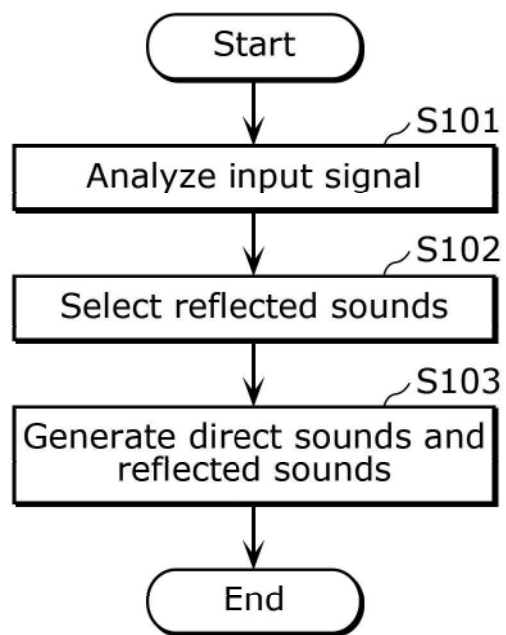


FIG. 9

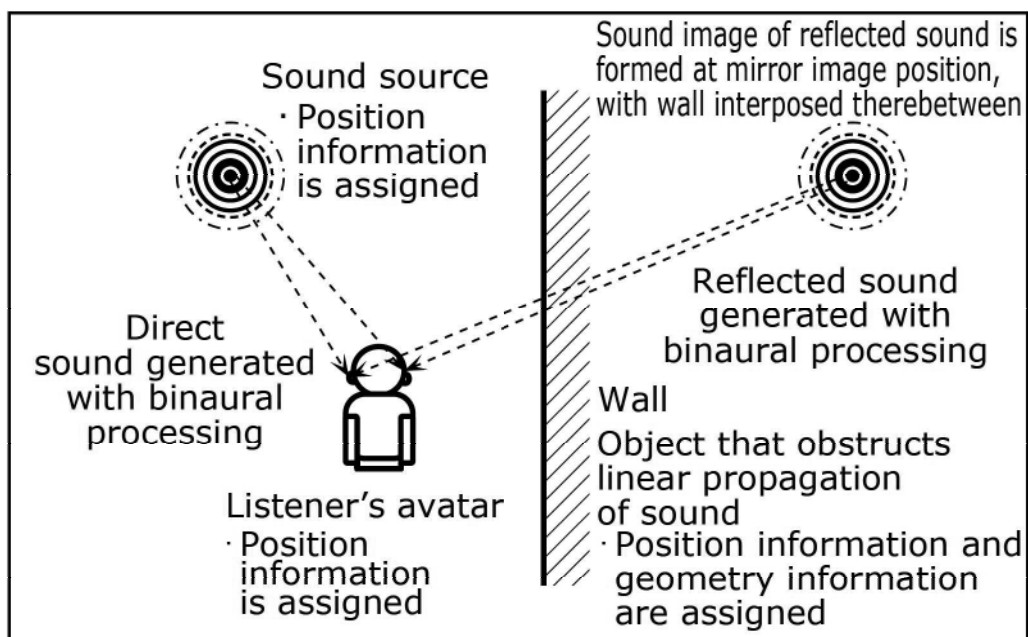


FIG. 10

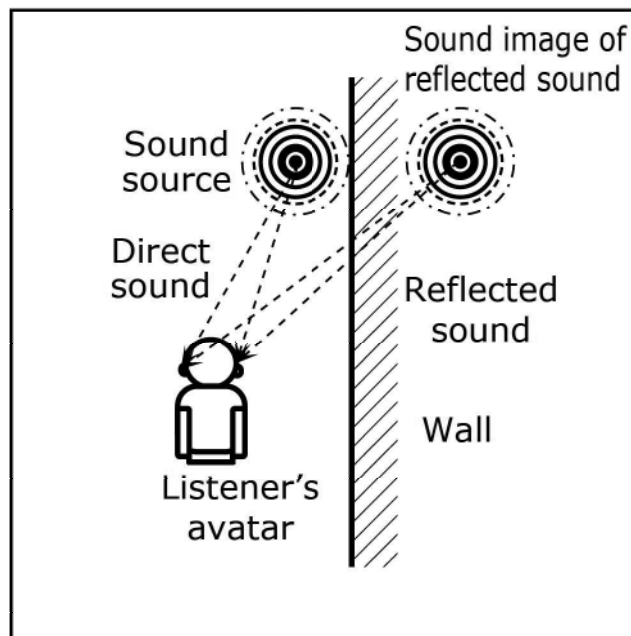
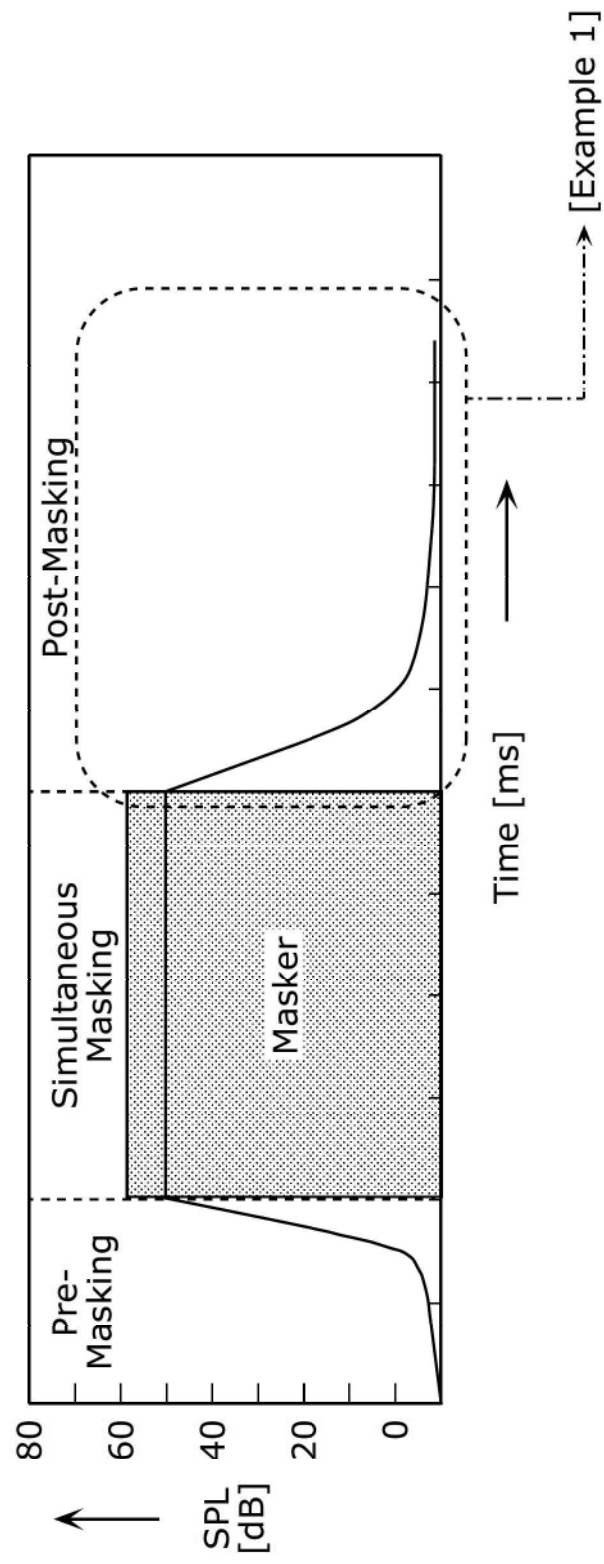


FIG. 11

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

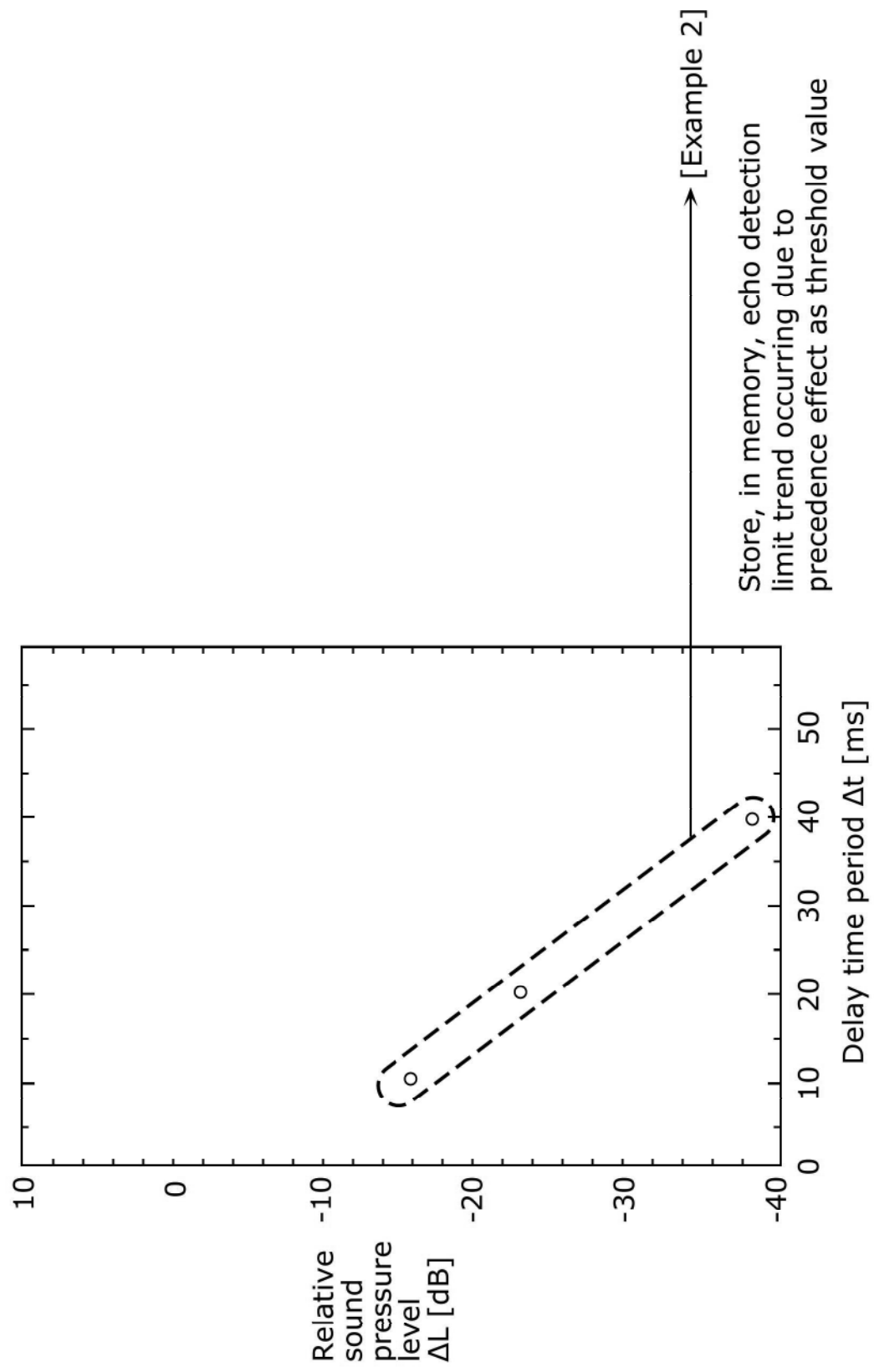


FIG. 12C

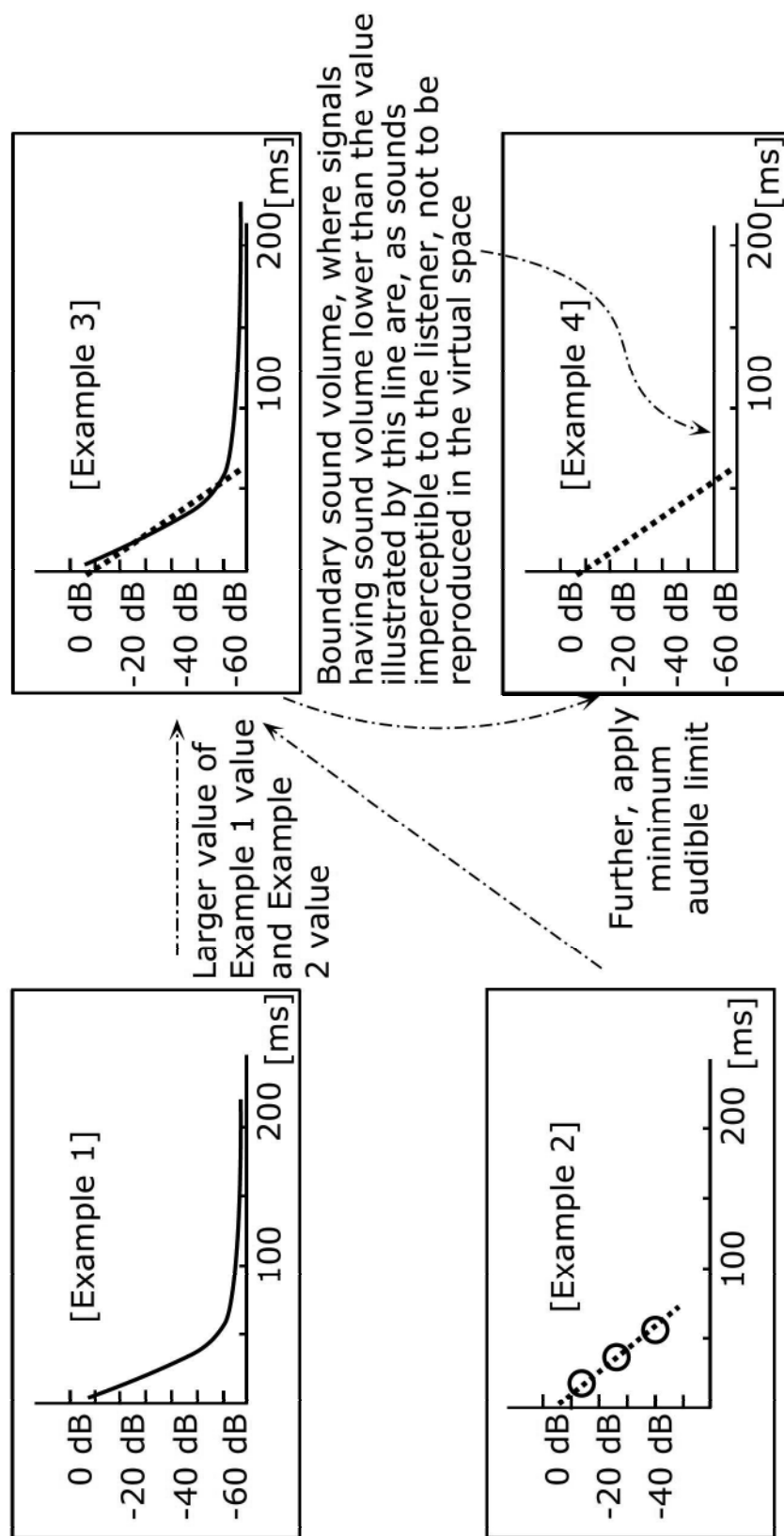


FIG. 13

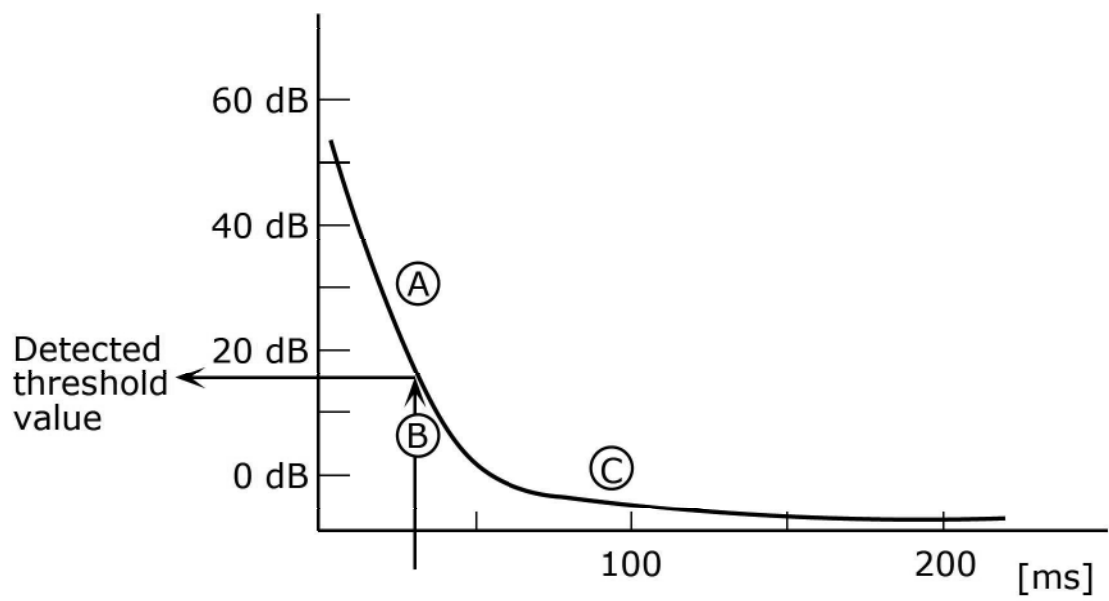


FIG. 14

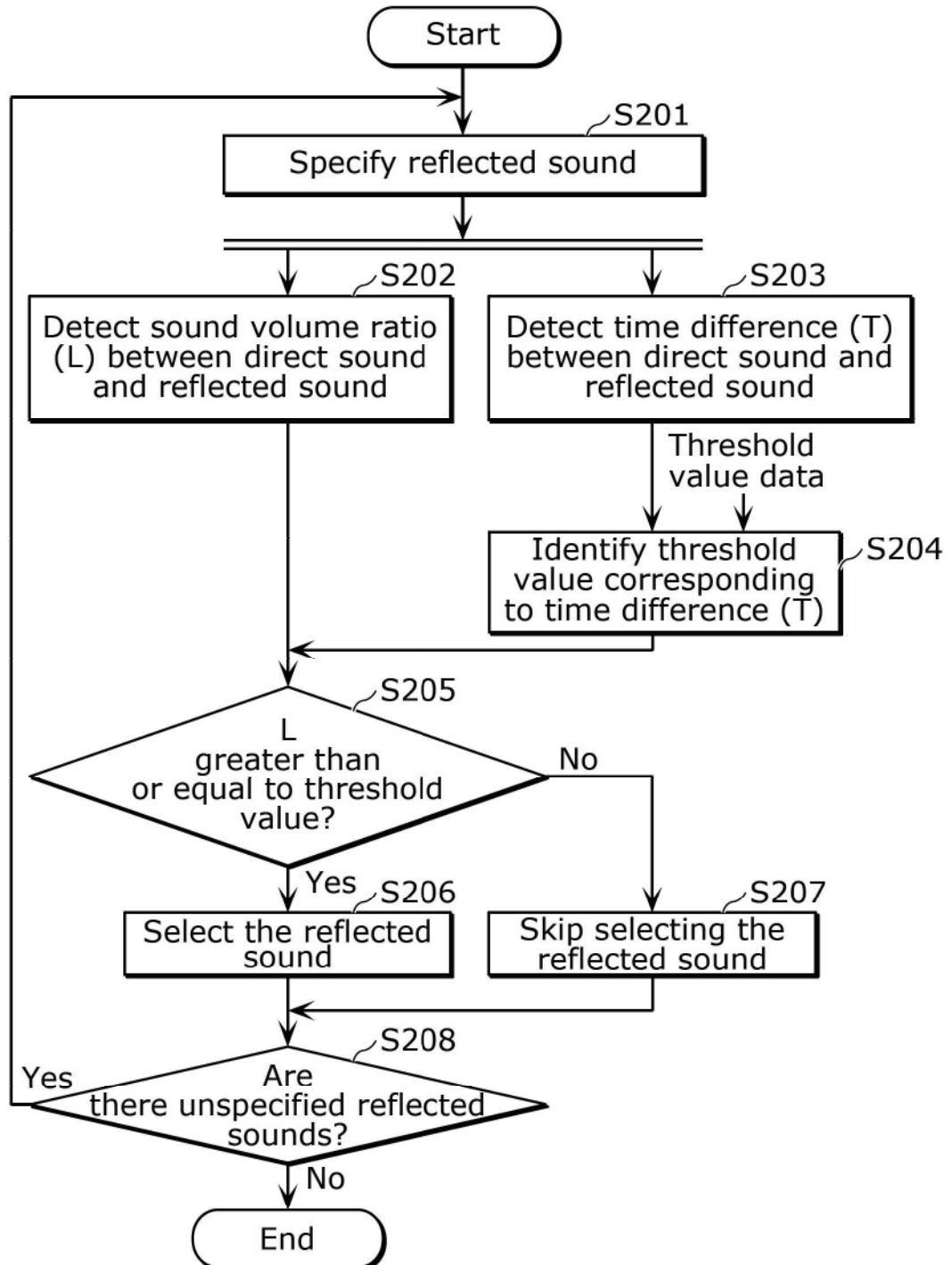


FIG. 15

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

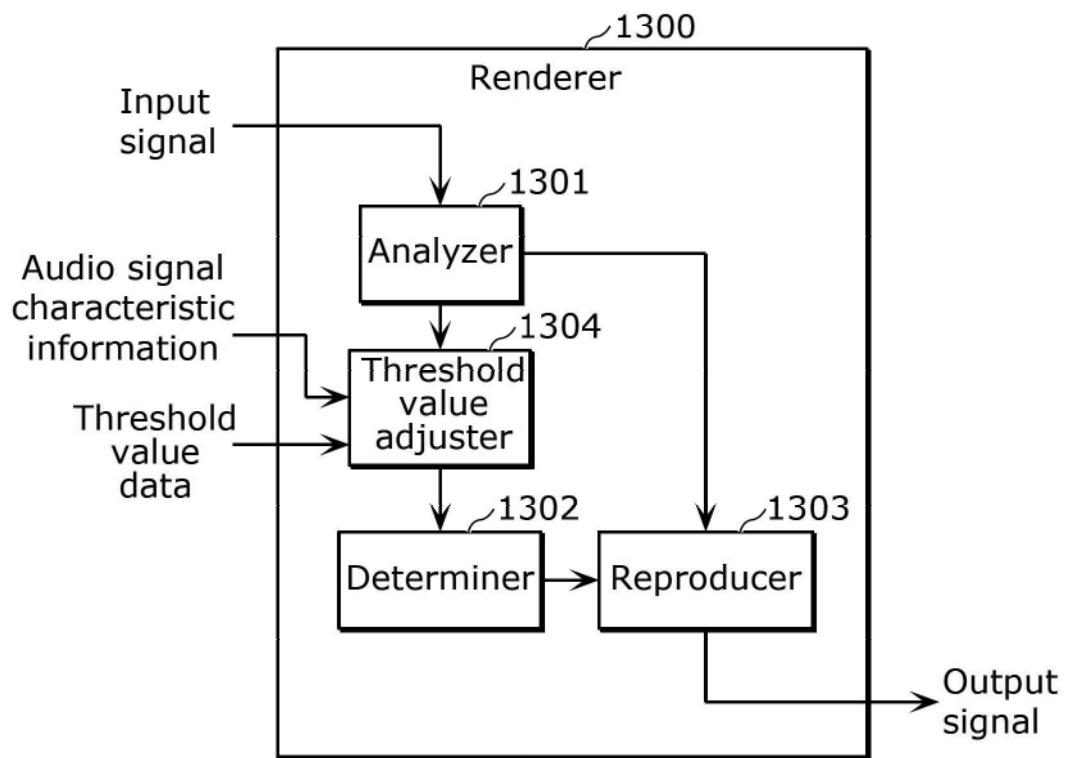


FIG. 18

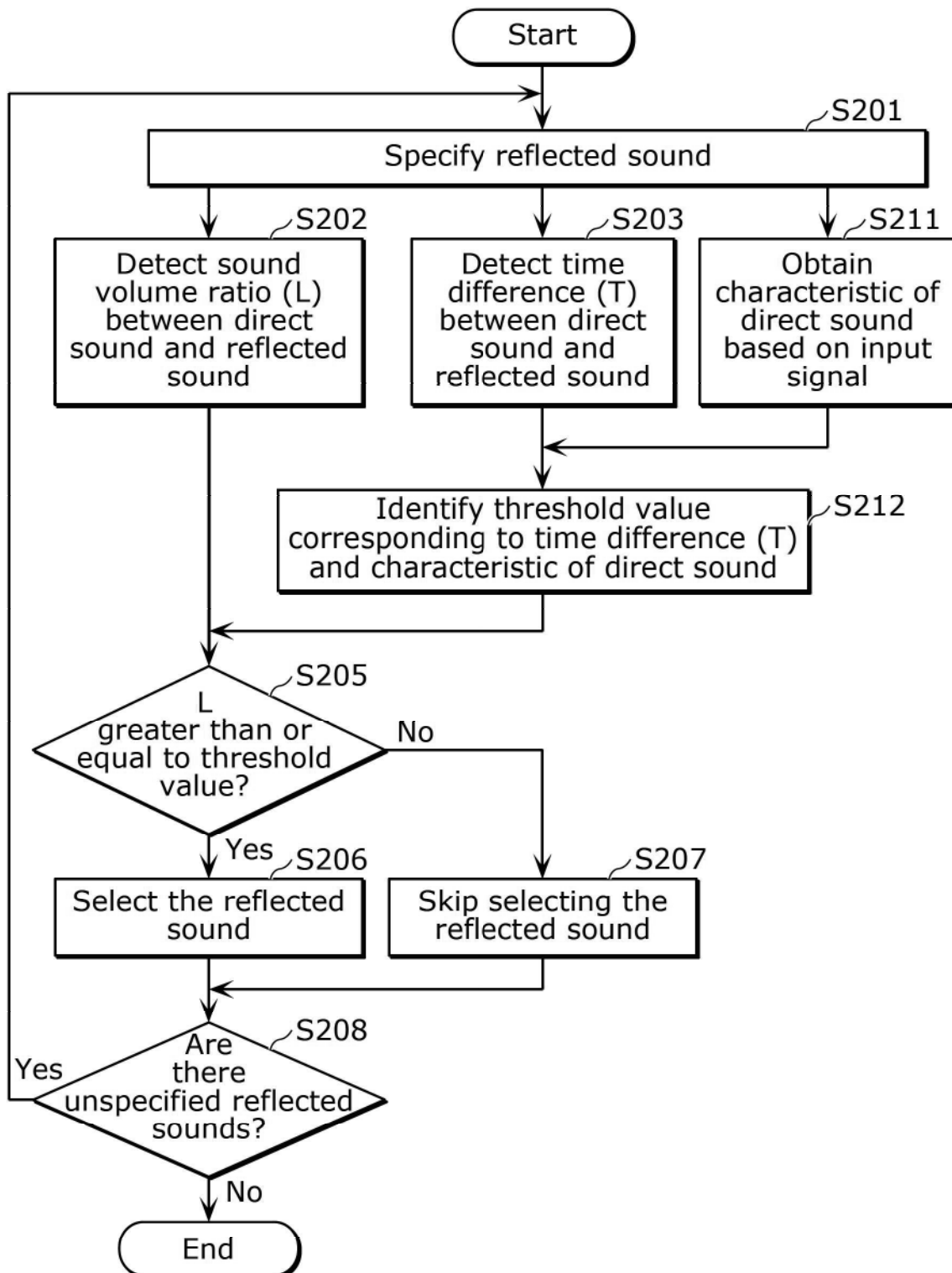


FIG. 19

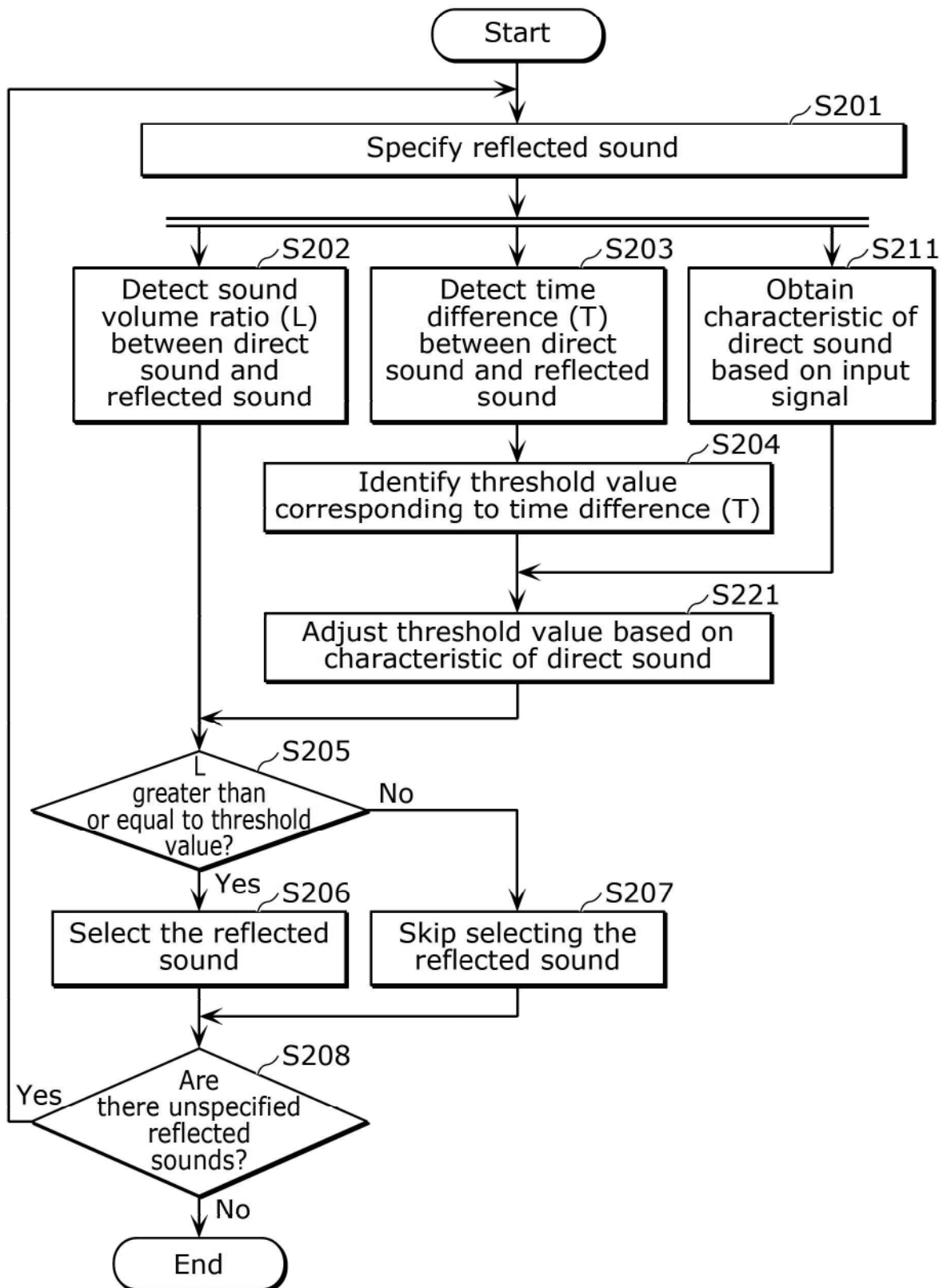


FIG. 20

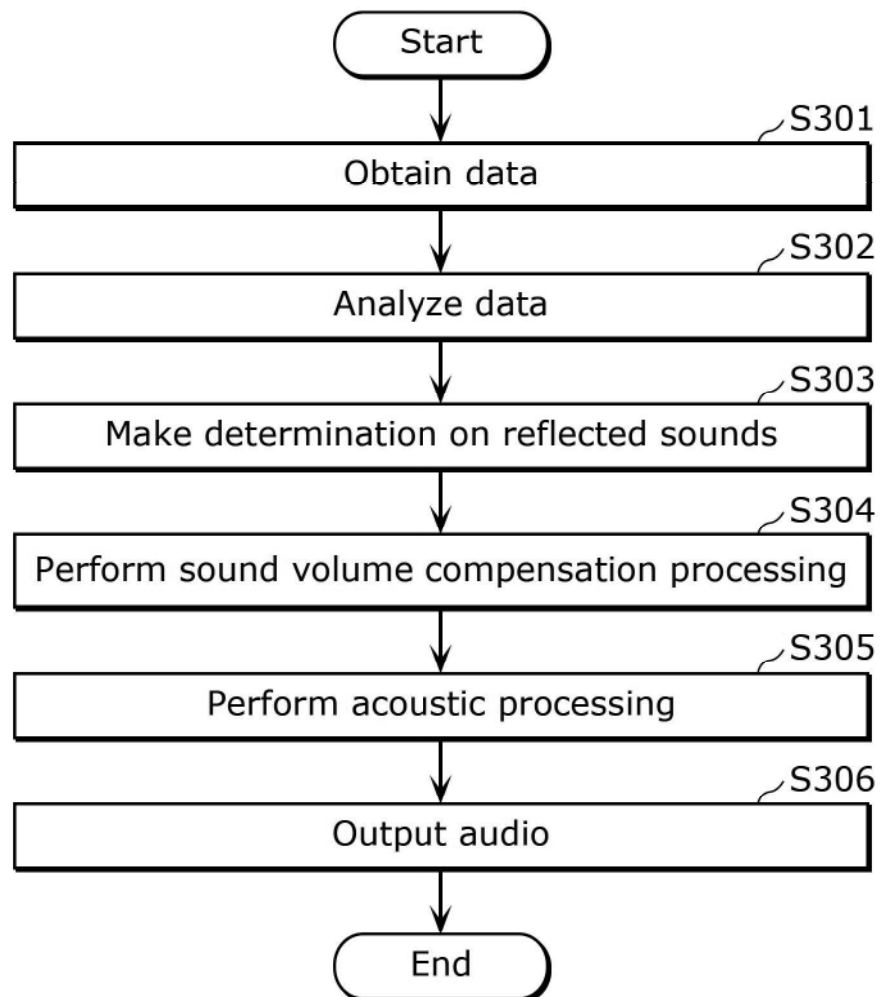


FIG. 21

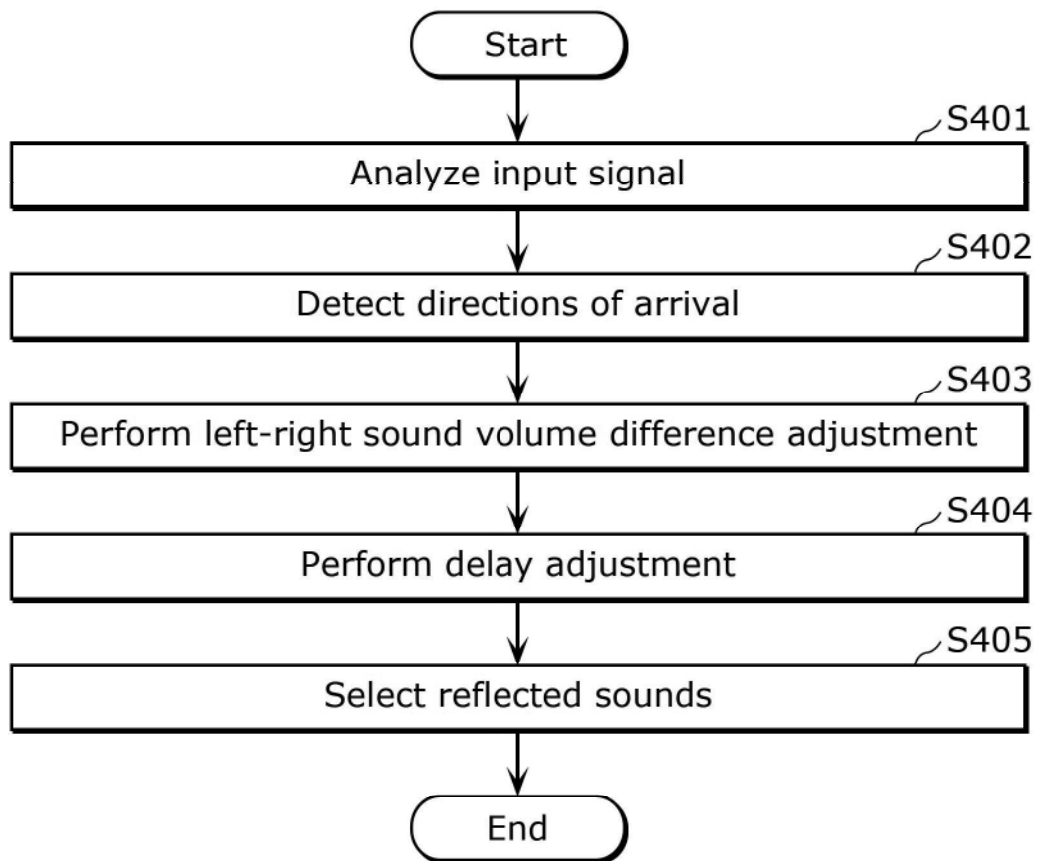


FIG. 22

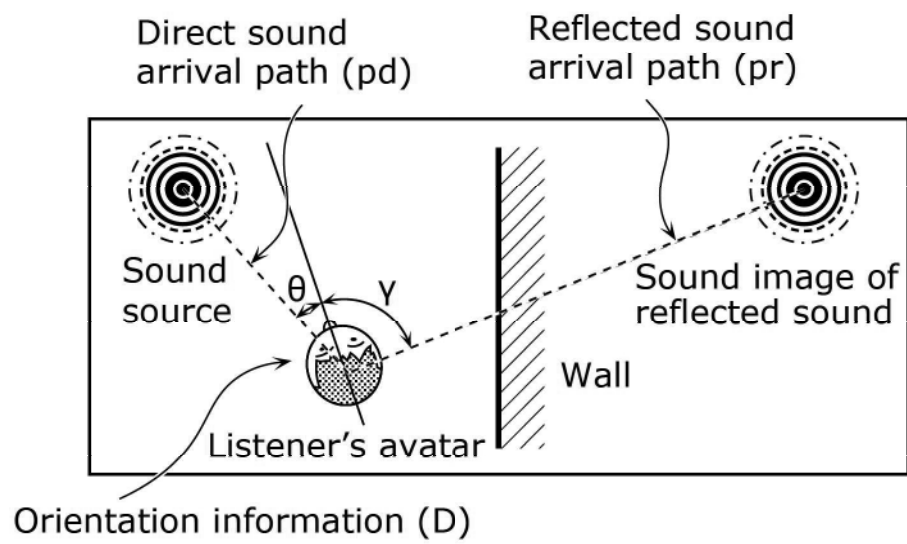


FIG. 23

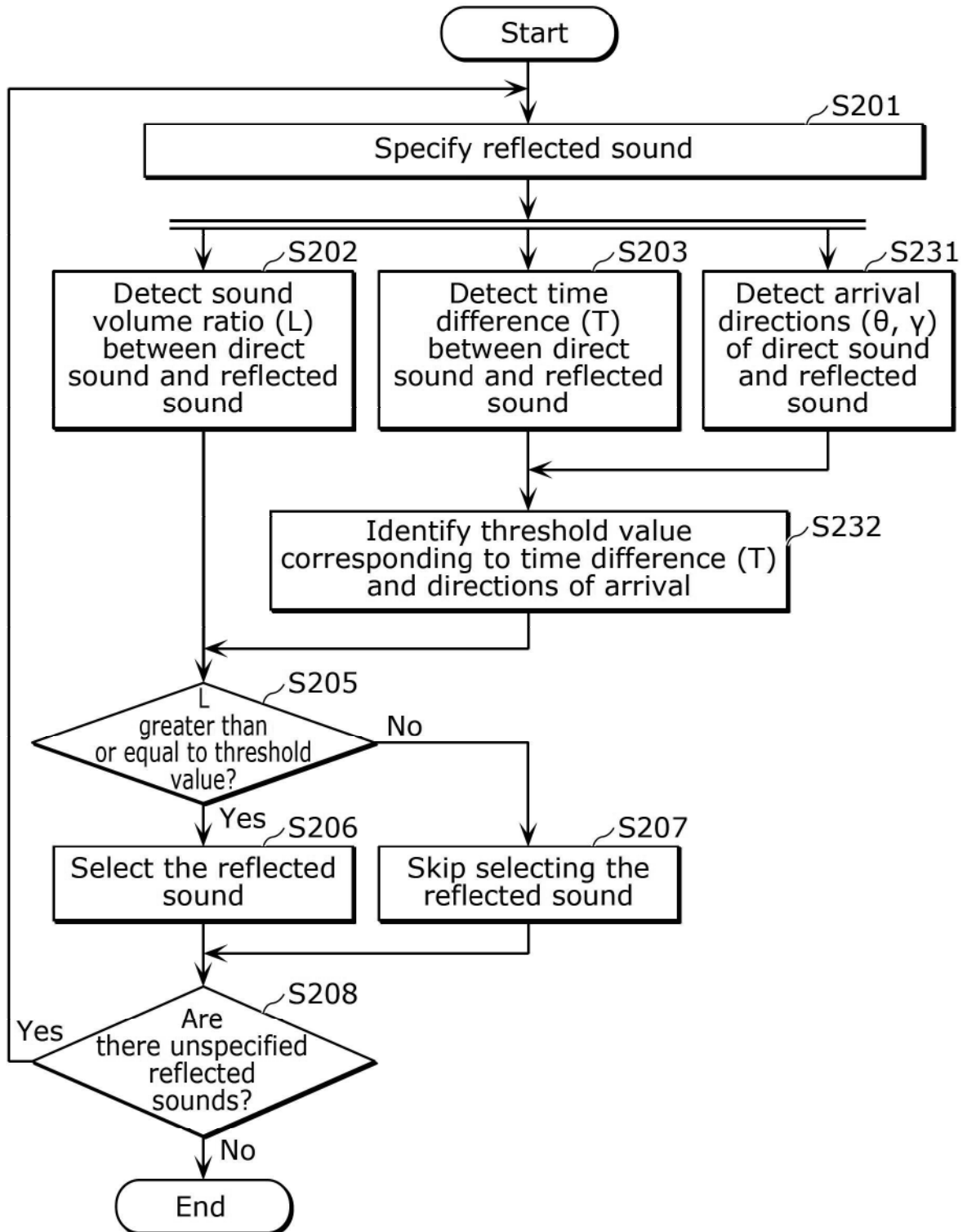


FIG. 24

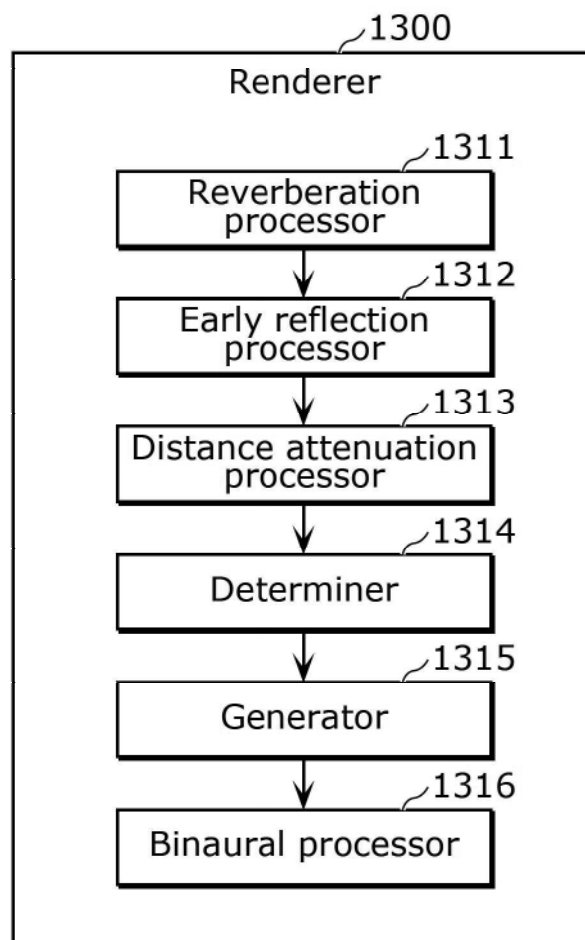


FIG. 25

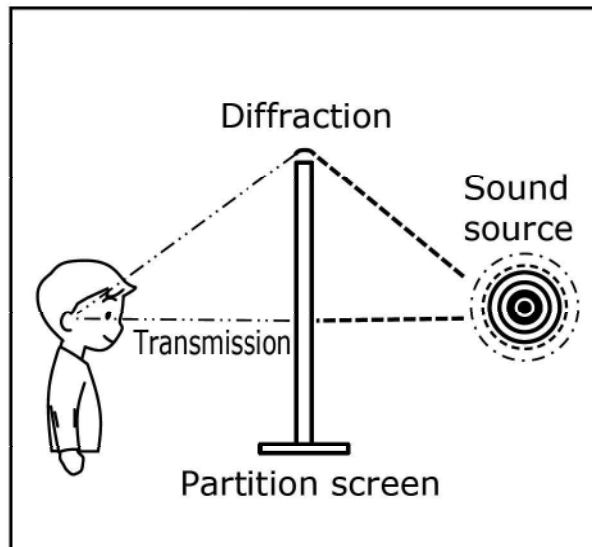


FIG. 26

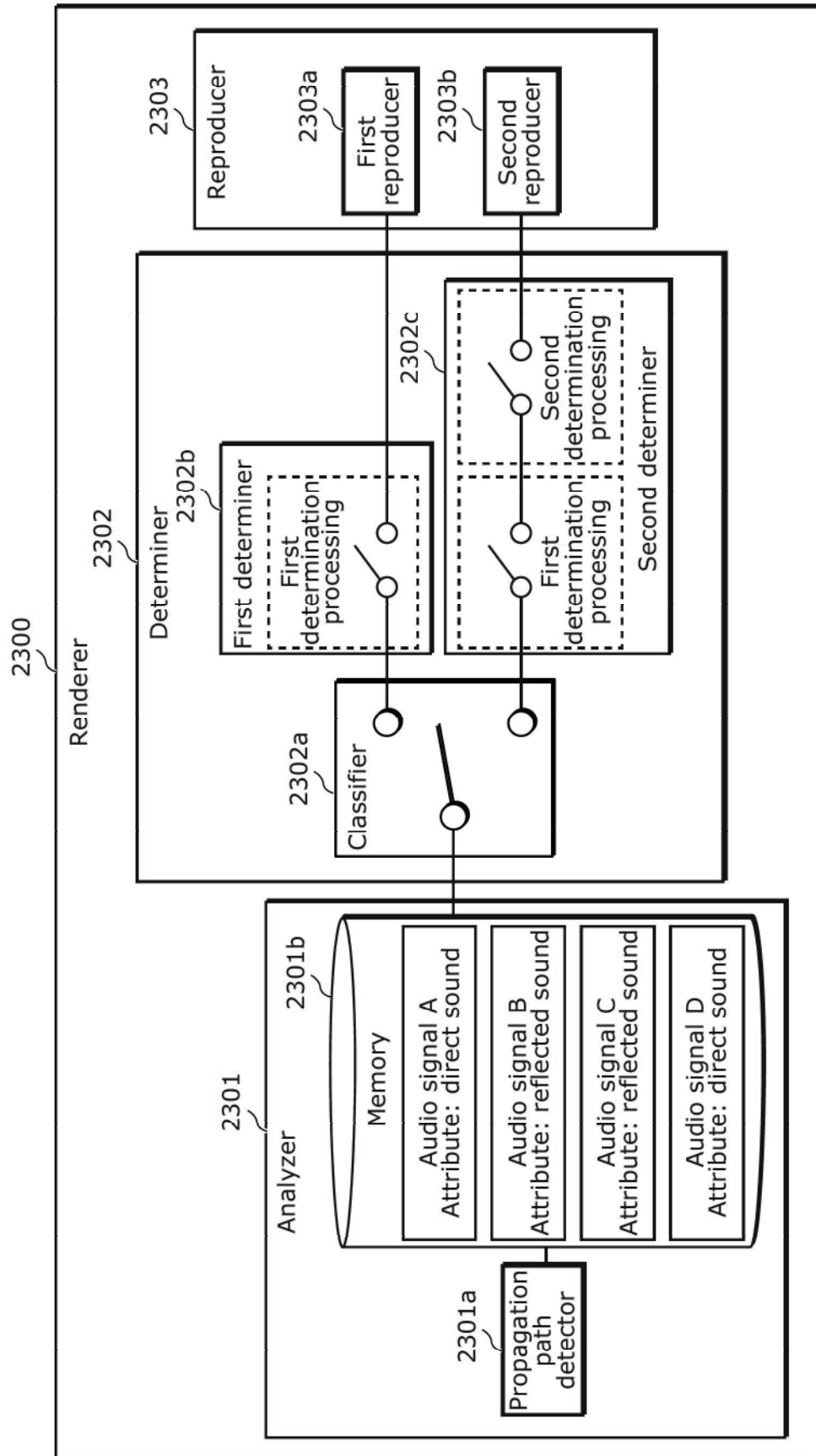


FIG. 27

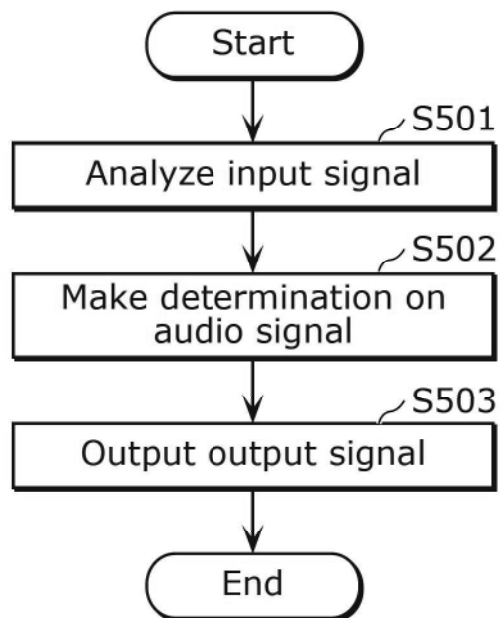


FIG. 28

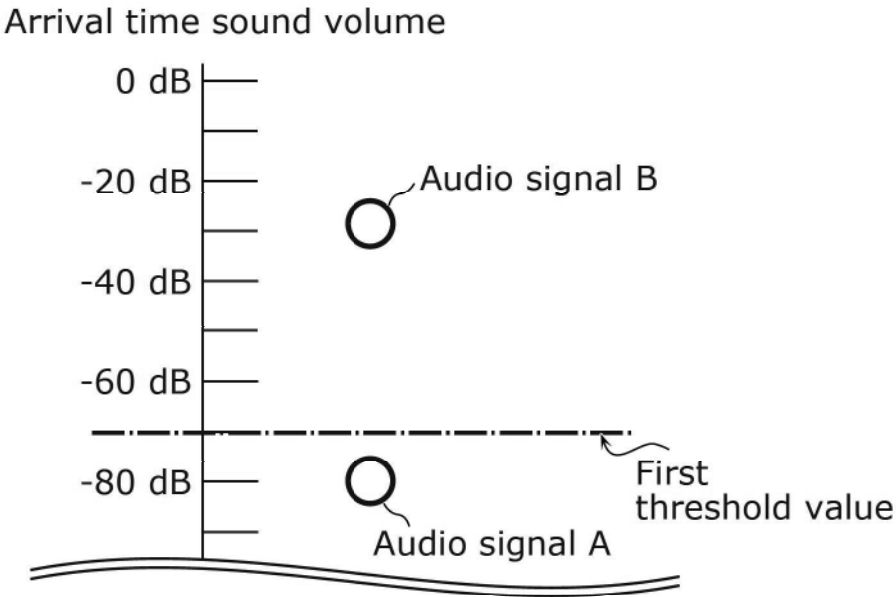


FIG. 29

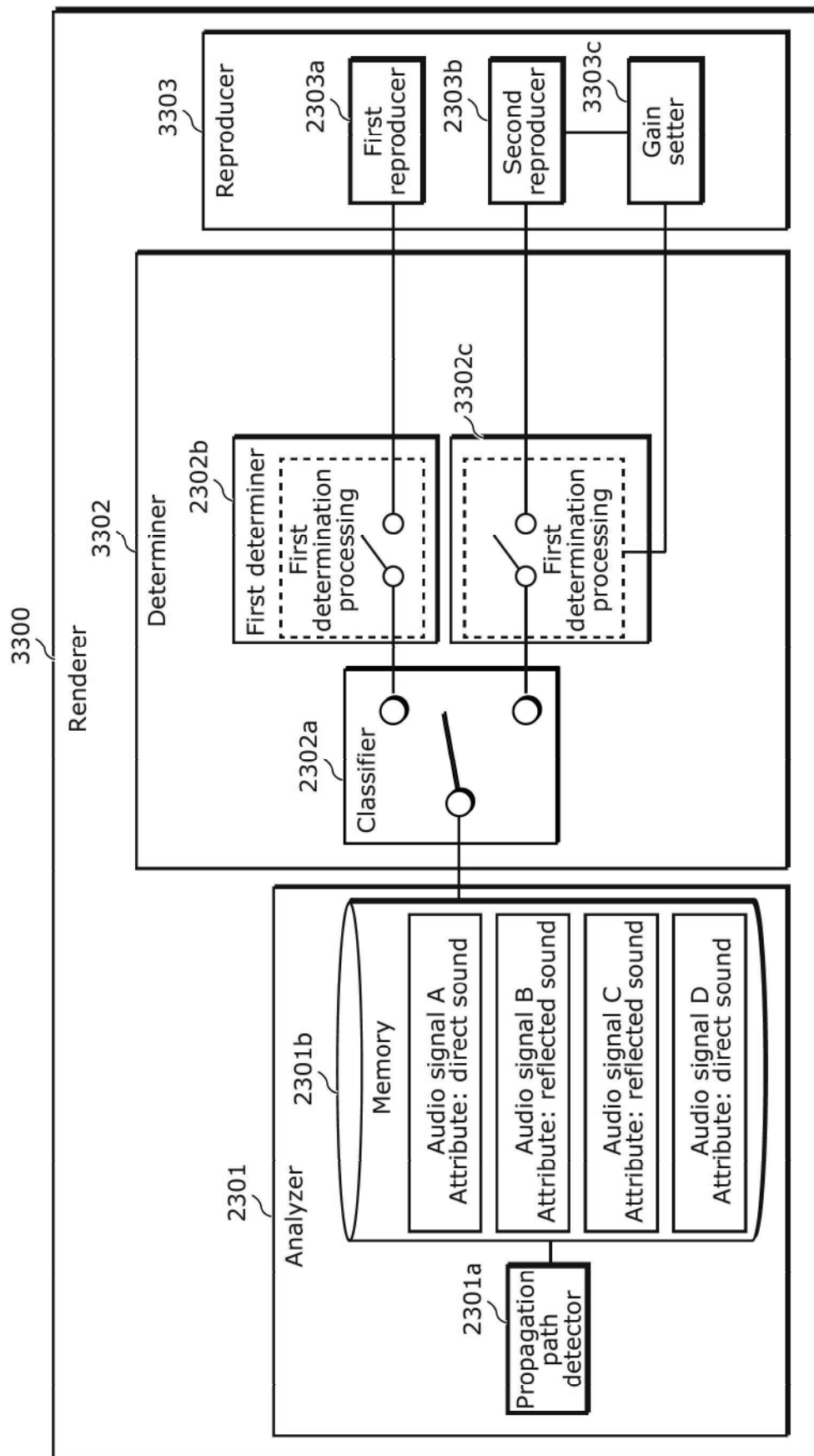


FIG. 30

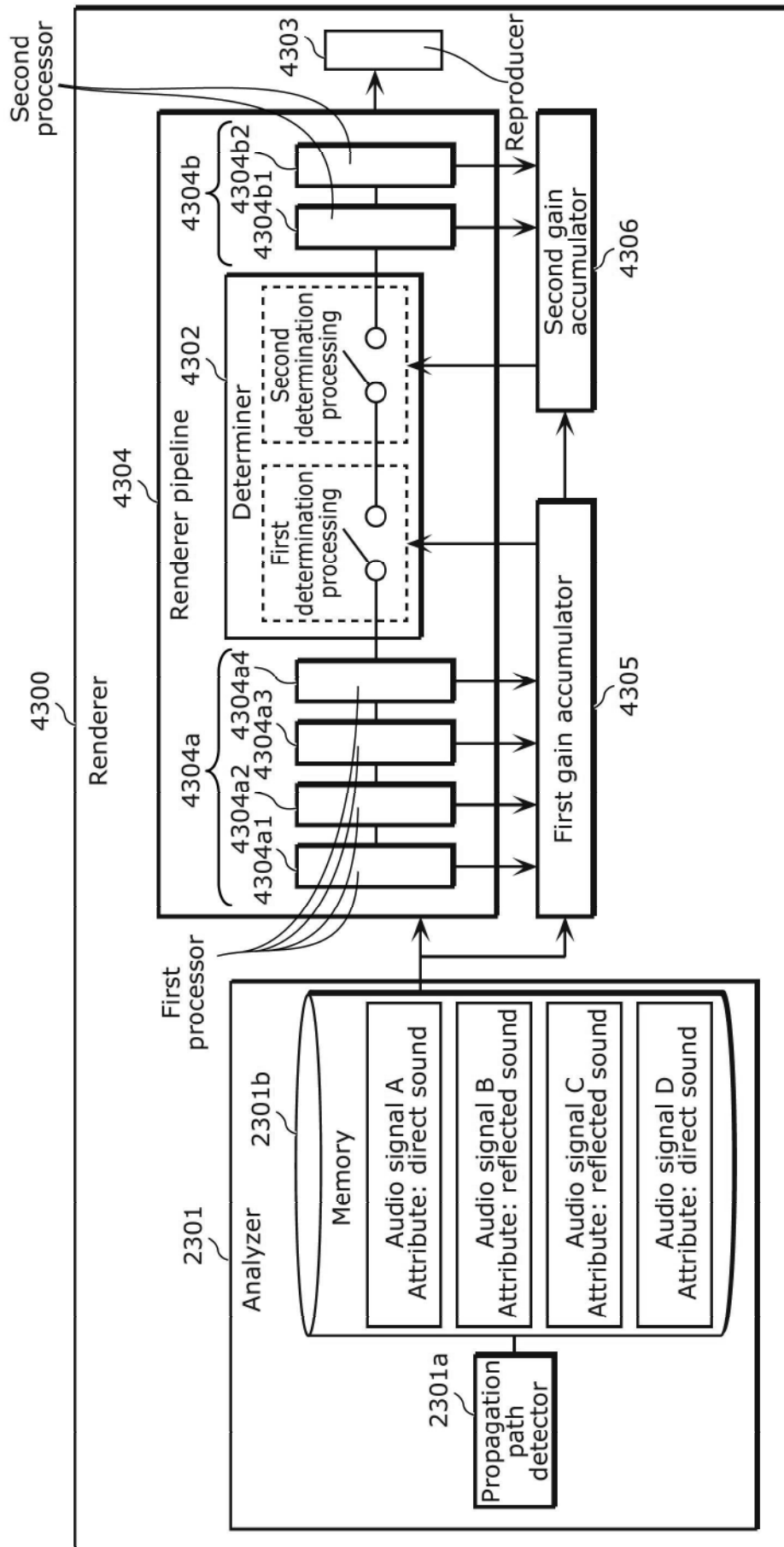
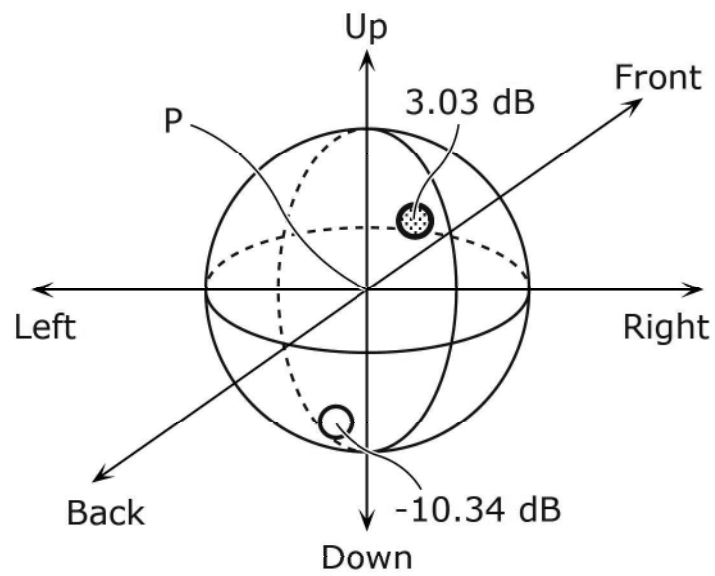
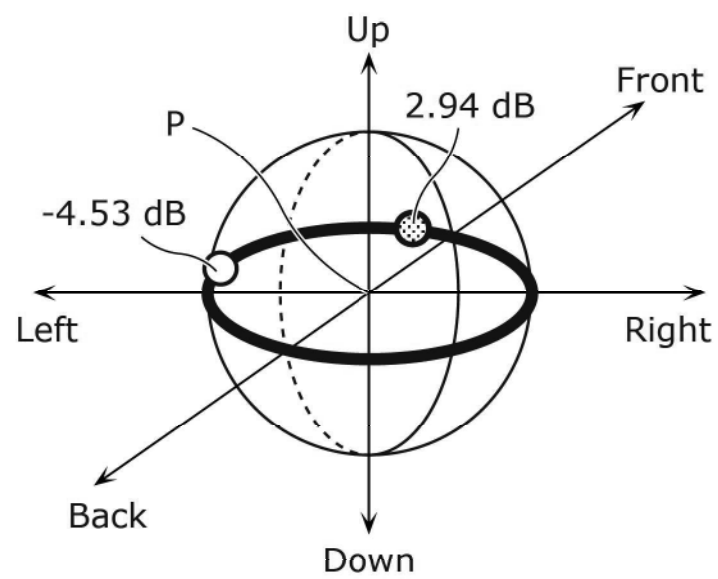


FIG. 31



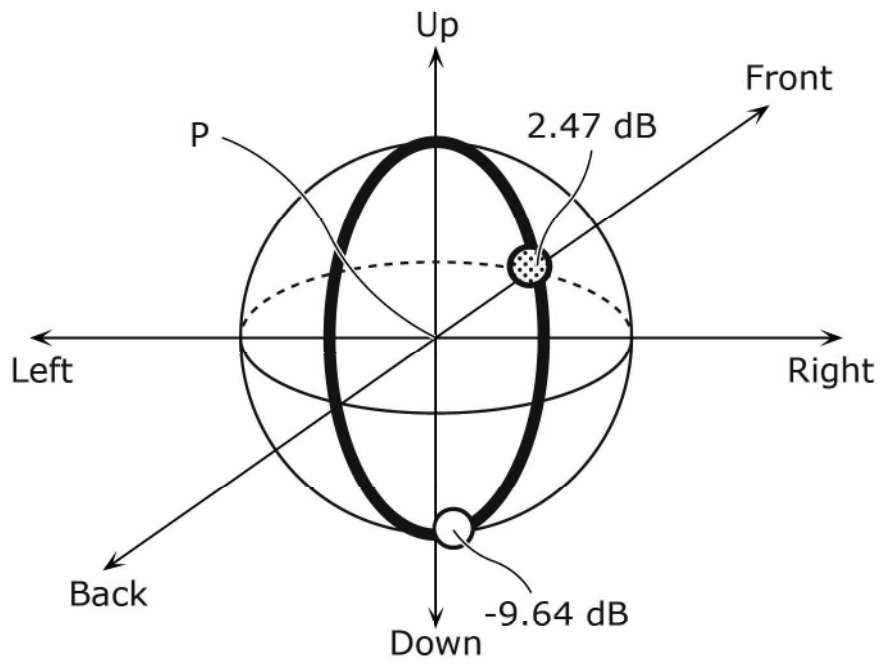
- Azimuth angle = 18 degrees, elevation angle = -2 degrees
- Azimuth angle = 54 degrees, elevation angle = -84 degrees

FIG. 32



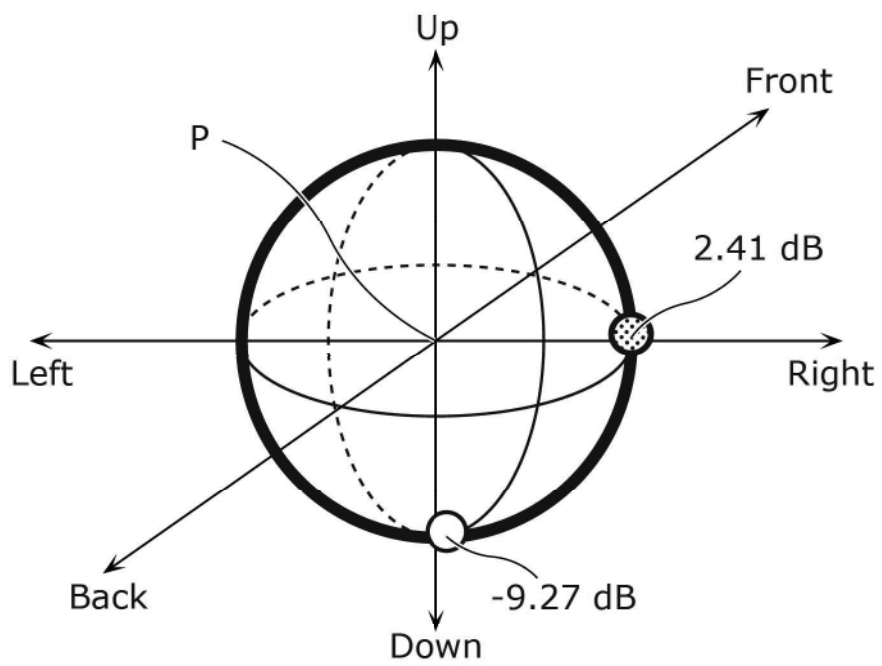
- Azimuth angle = 12 degrees
- Azimuth angle = 166 degrees

FIG. 33



- Elevation angle = 4 degrees
- Elevation angle = -88 degrees

FIG. 34



- Elevation angle = -2 degrees
- Elevation angle = -82 degrees

FIG. 35

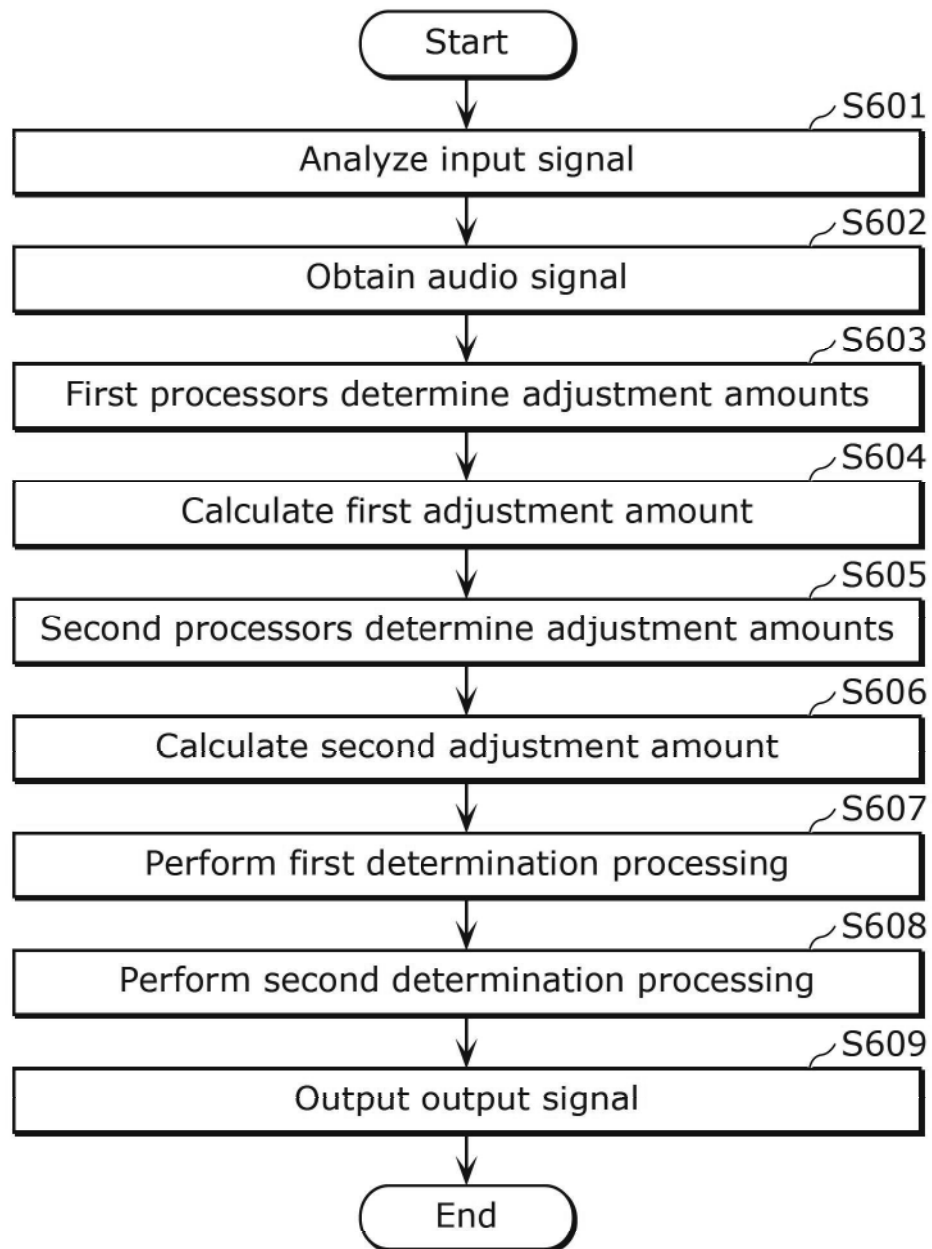


FIG. 36

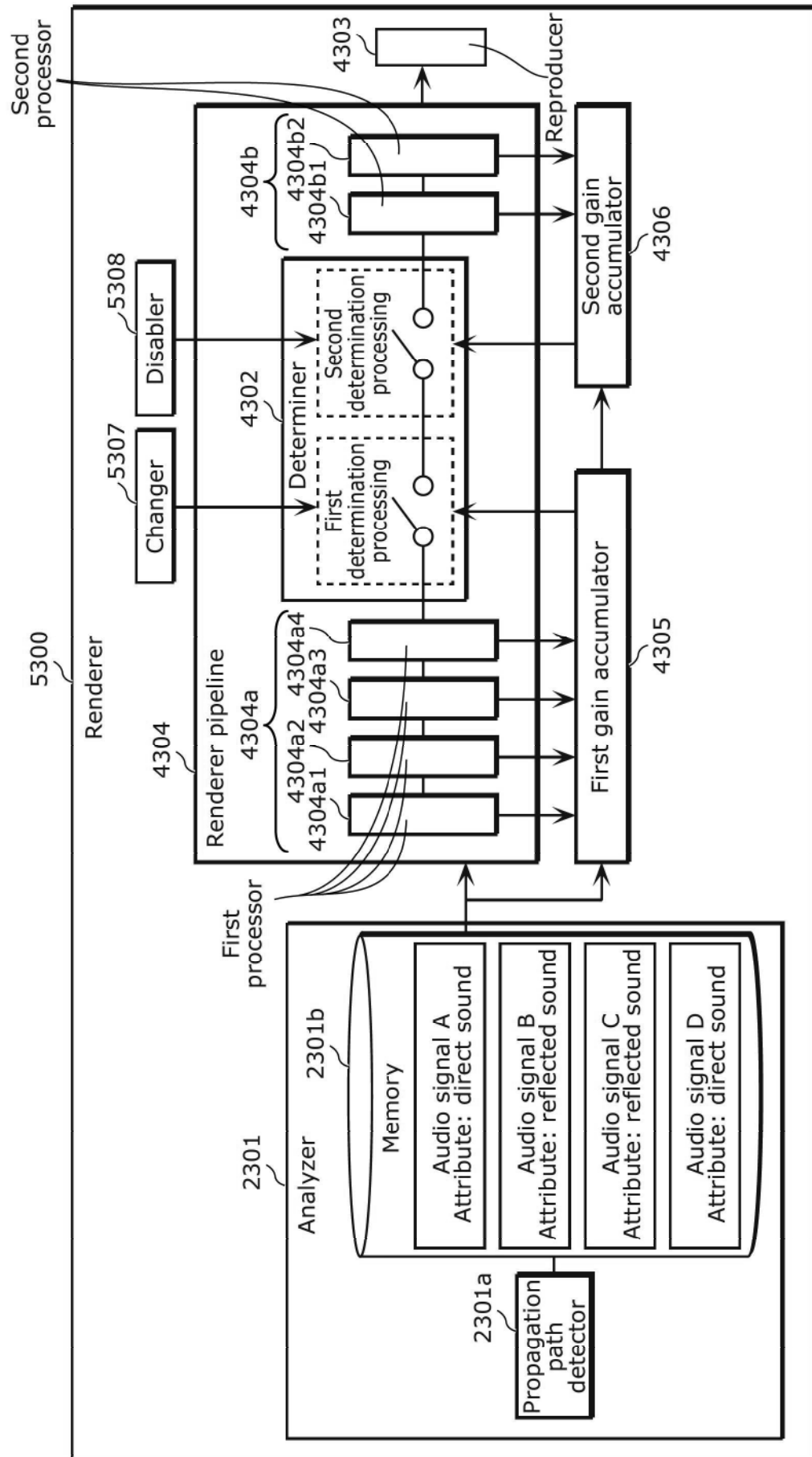


FIG. 37

		Change of first threshold value	
		First threshold value: large	First threshold value: small
Disabling processing	Second determination processing disabled	Processing complexity: ○ Sound quality maintenance: x Decimation factor: ○	Processing complexity: ○ Sound quality maintenance: ○ Decimation factor: x
	Second determination processing enabled	Processing complexity: x Sound quality maintenance: x Decimation factor: ○	Processing complexity: x Sound quality maintenance: ○ Decimation factor: ○