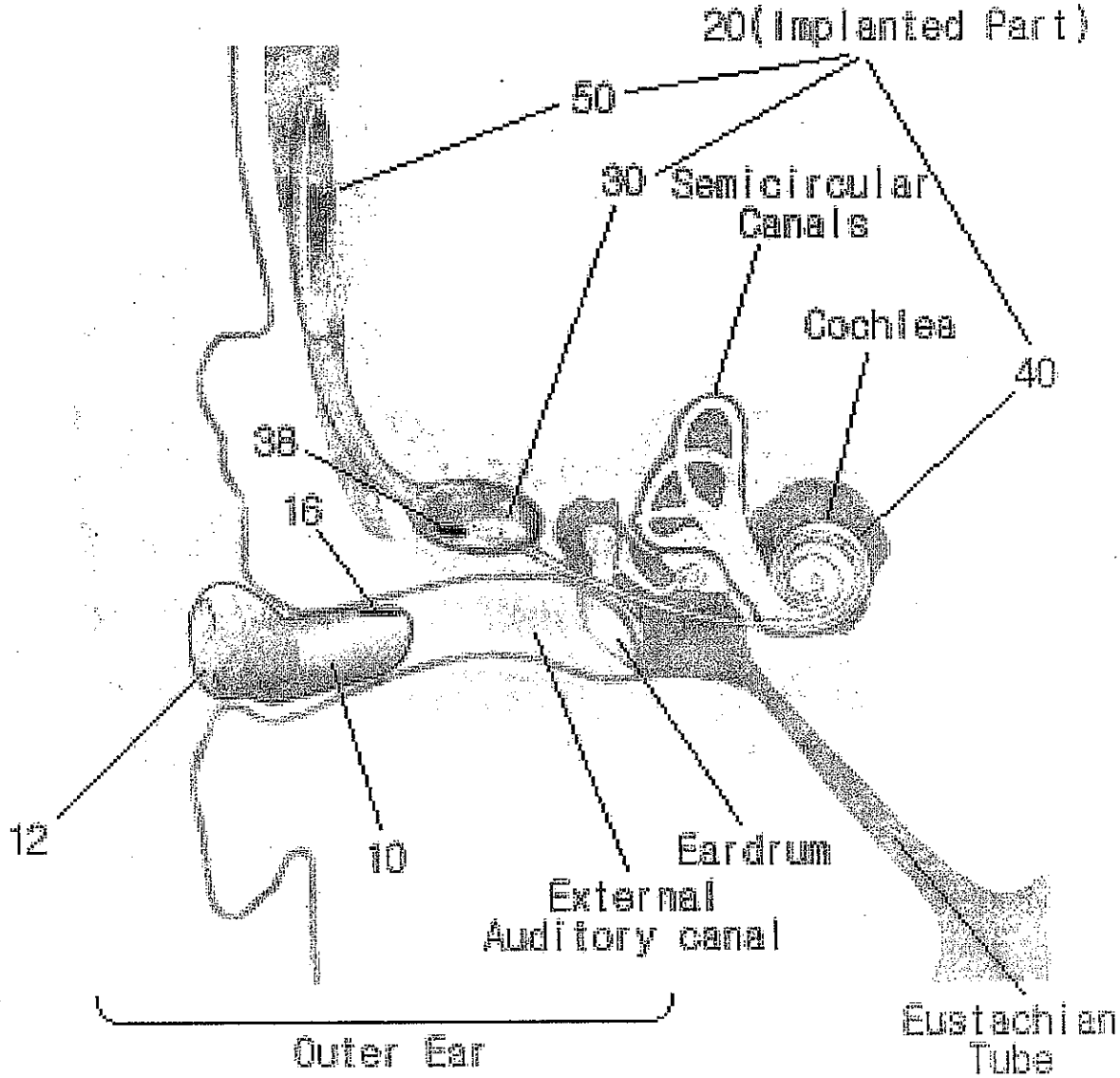
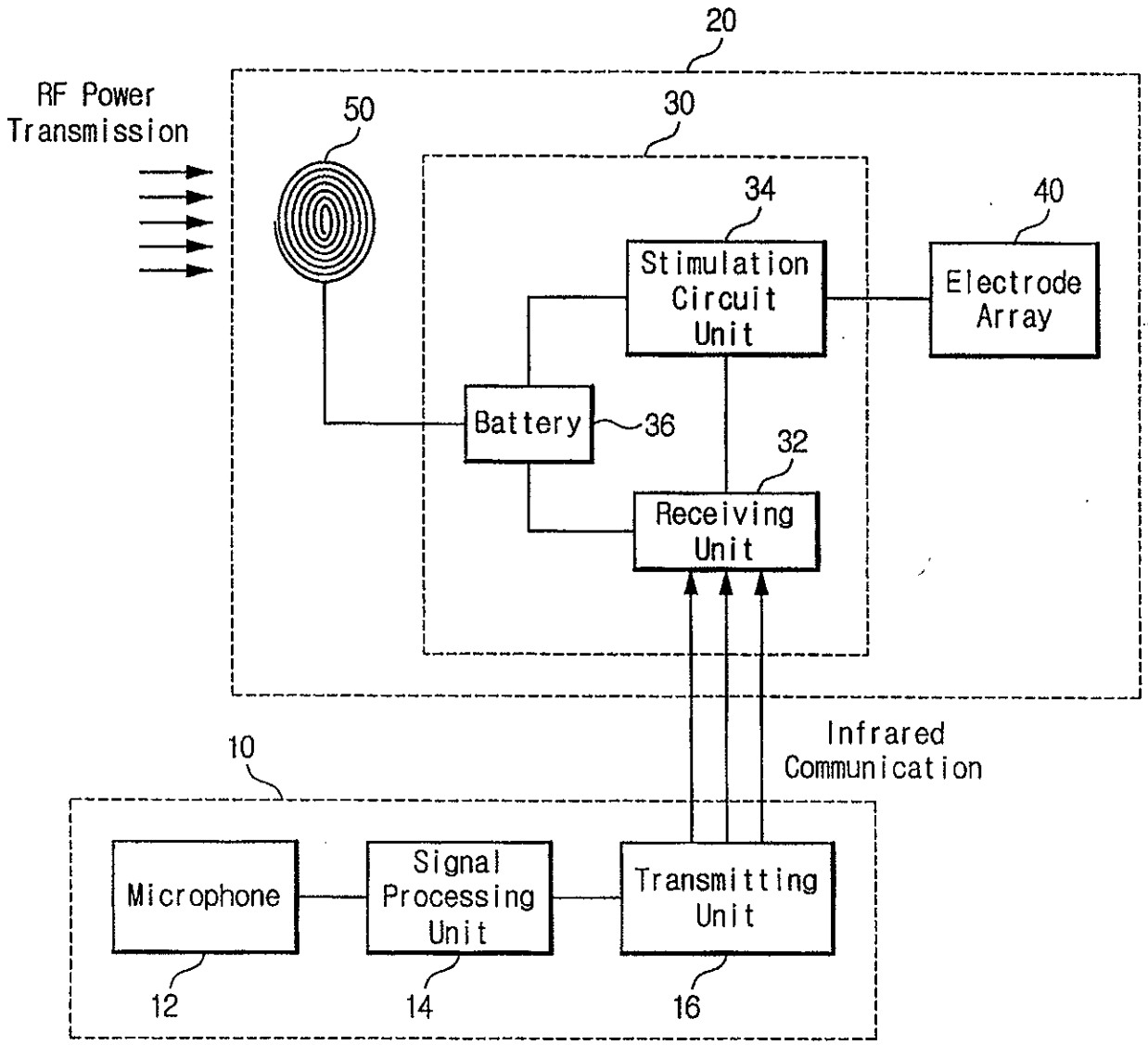
【DRAWINGS】

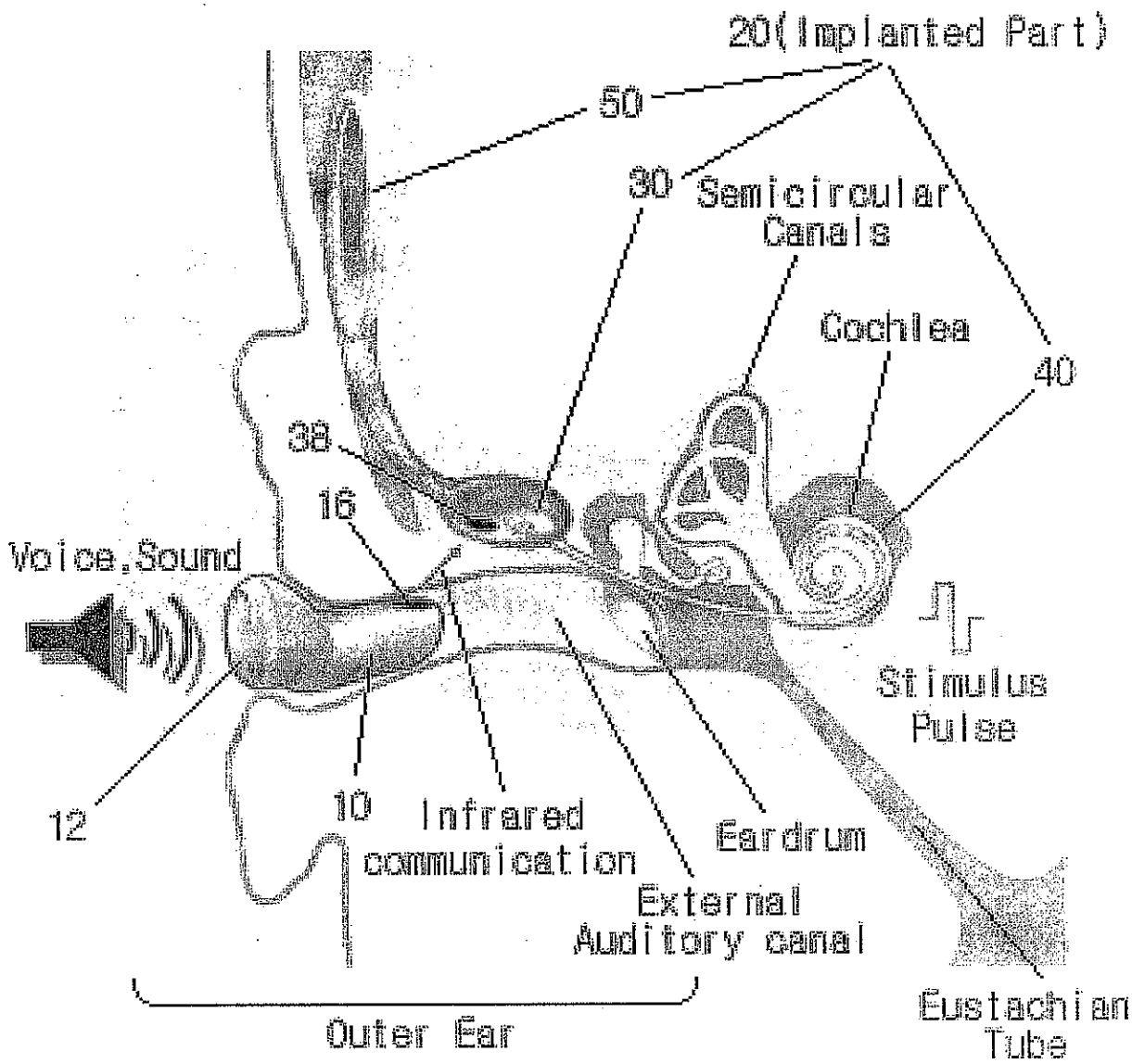
【Figure 1】



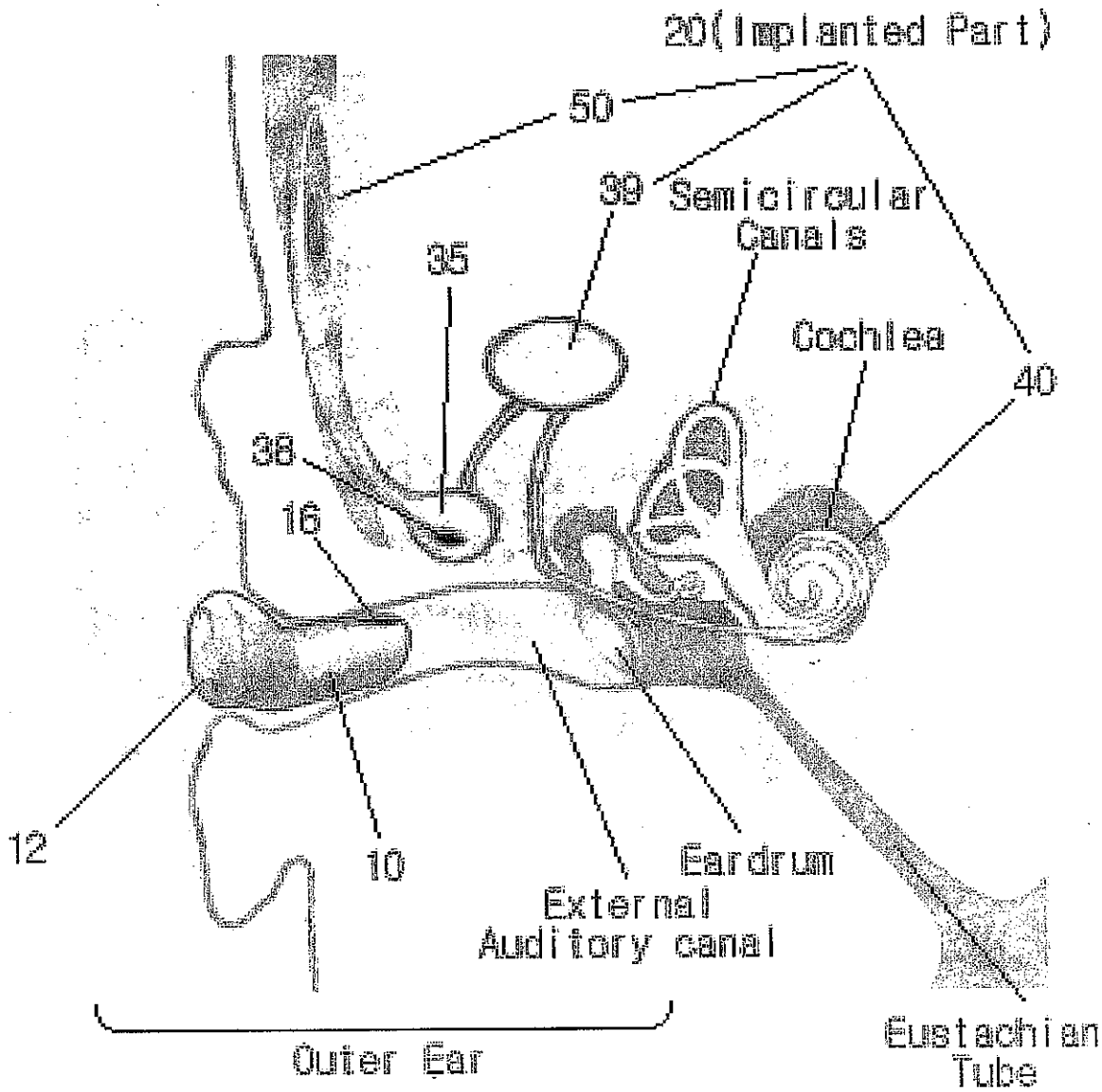
【Figure 2】


20
RF Power Transmission
50
30
34
40
Stimulation Circuit Unit
Electrode Array
Battery
36
32
Receiving Unit
Infrared Communication
10
Microphone
Signal Processing Unit
Transmitting Unit
12
14
16

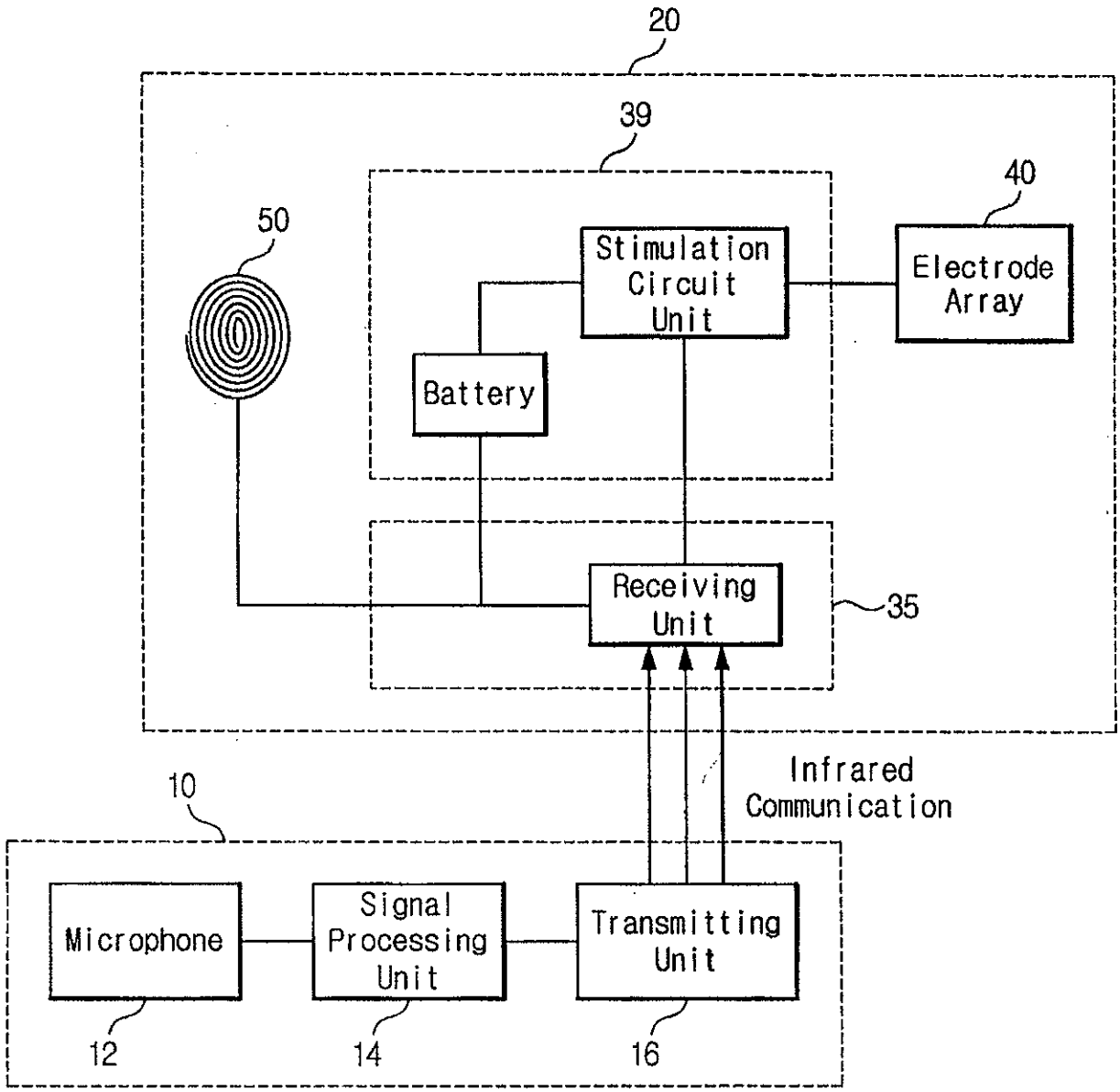
【Figure 3】


20(Implanted Part)
50
30
Semicircular Canals
Cochlea
40
38
16
Voice, Sound
Stimulus Pulse
12
10
Infrared communication
Eardrum
External Auditory canal
Outer Ear
Eustachian Tube

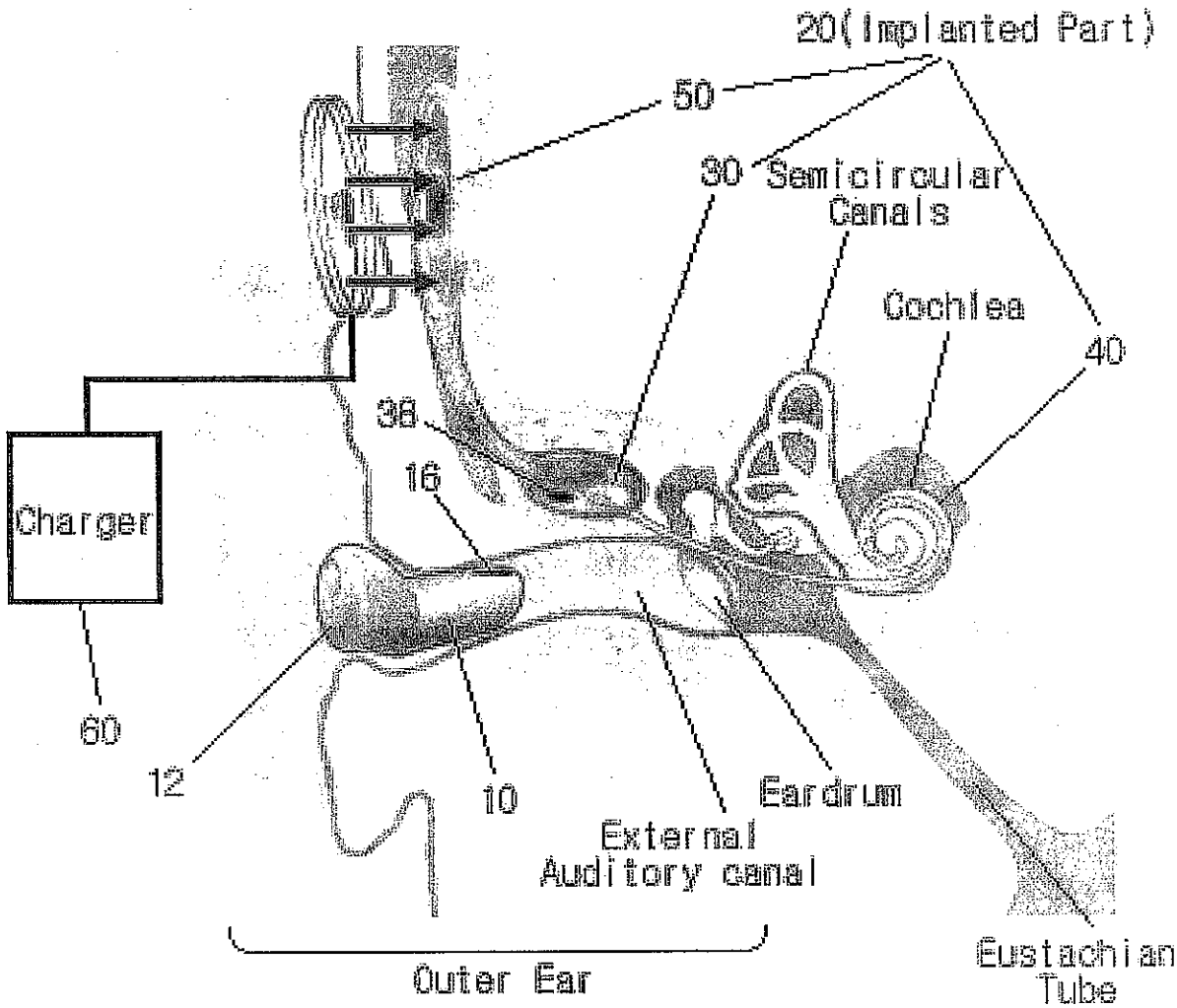
【Figure 4】


20(Implanted Part)
50
30
Semicircular Canals
35
Cochlea
40
38
16
12
10
Eardrum
External Auditory canal
Outer Ear
Eustachian Tube

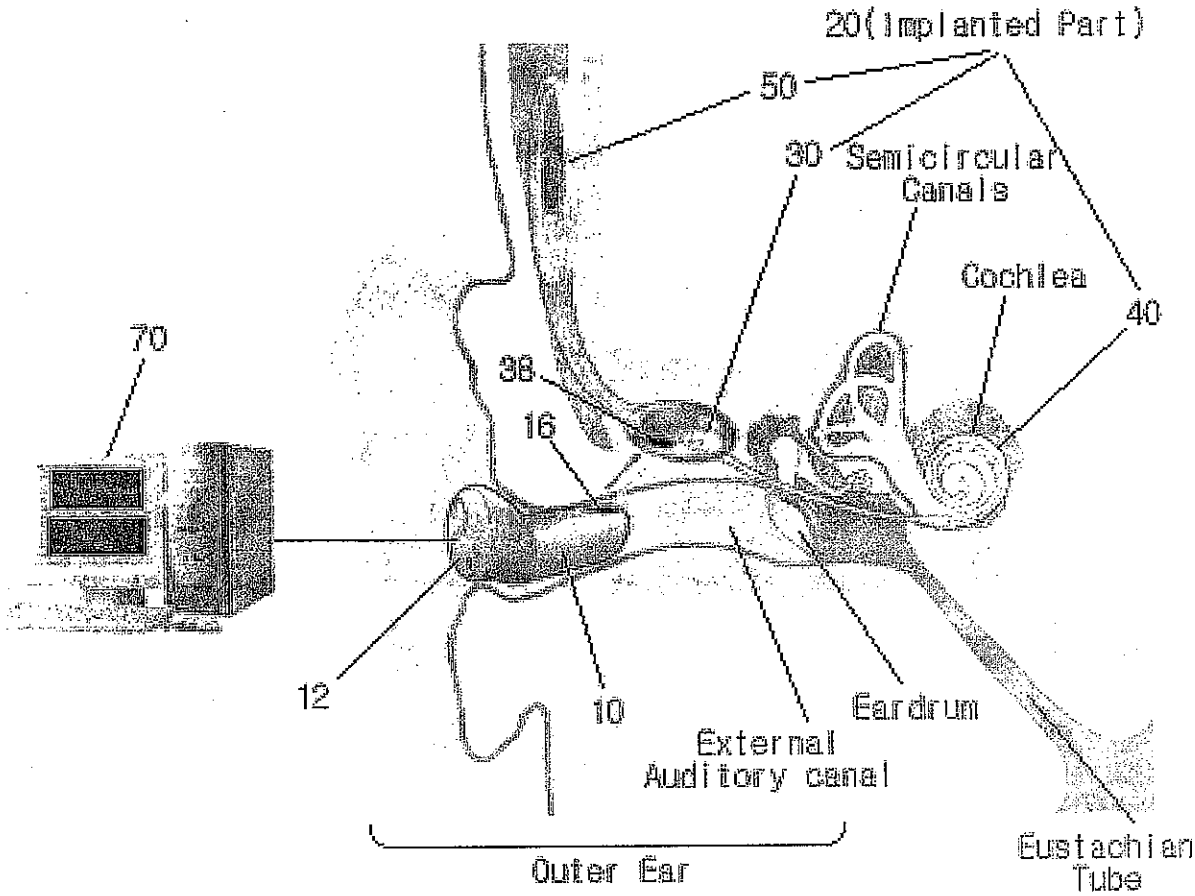
【Figure 5】


20
39
40
50
Stimulation Circuit Unit
Electrode Array
Battery
Receiving Unit
35
Infrared Communication
10
Microphone
Signal Processing Unit
Transmitting Unit
12
14
16

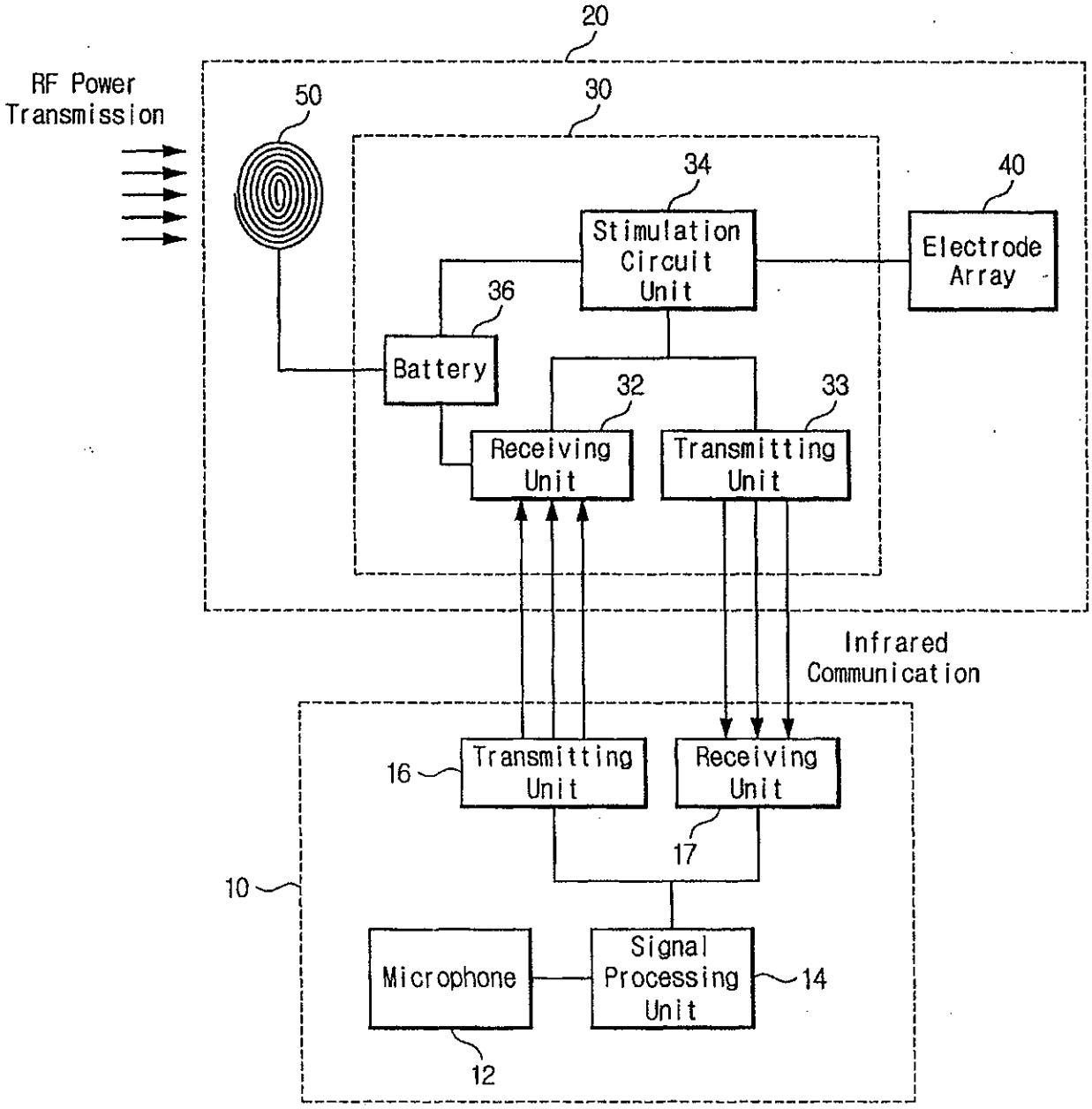
【Figure 6】


20(Implanted Part)
50
30
Semicircular Canals
Cochlea
40
38
16
Charger
60
12
10
Eardrum
External Auditory canal
Outer Ear
Eustachian Tube

【Figure 7】


20(Implanted Part)
50
30
Semicircular Canals
Cochlea
40
70
38
16
12
10
External Auditory canal
Eardrum
Outer Ear
Eustachian Tube

【Figure 8】


20
RF Power Transmission
50
30
34
40
Stimulation Circuit Unit
Electrode Array
36
Battery
32
33
Receiving Unit
Transmitting Unit
Infrared Communication
16
Transmitting Unit
Receiving Unit
17
10
Microphone
Signal Processing Unit
14
12