CLAIMS

1. A sound signal amplitude suppressing apparatus comprising:

a first amplitude limiter shifting, when an amplitude of an input signal exceeds a predefined level, a bias potential in an opposite direction to a change in the amplitude;

a high cut filter provided to a subsequent stage of the first amplitude limiter;

a low cut filter which the input signal is input;

a second amplitude limiter provided to a subsequent stage of the low cut filter, and performing, when an amplitude of an output signal of the low cut filter exceeds a predefined value, an amplitude limitation by eliminating an amplitude part exceeding the predefined value; and

an adder adding an output of the second amplitude limiter and an output of the high cut filter.

2. A sound signal amplitude suppressing apparatus comprising:

a first amplitude limiter shifting, when an amplitude of an input signal exceeds a predefined level, a bias potential in an opposite direction to a change in the amplitude;

a high cut filter provided to a subsequent stage of the first amplitude limiter;

a low cut filter provided in parallel with the first amplitude limiter, and has the input signal input;

an adder adding an output of the low cut filter and an output of the high cut filter; and

a second amplitude limiter provided to a subsequent stage of the adder, and performing, when an amplitude of the input signal exceeds a predefined value, an amplitude limitation by eliminating an amplitude part exceeding the predefined value.