

ABSTRACT

A discharge detection system of the present invention includes: a plurality of filter circuits 32 electrically connected to each of a plurality of electrical circuits and
5 configured to pass a noise; a plurality of amplifiers 31 electrically connected to each of the plurality of filter circuits 32 and configured to amplify a level of the noise passed through the filter circuit 32; and a processor 50 electrically connected to each of the plurality of amplifiers 31 and configured to detect occurrence of discharge based on the noise level amplified by the amplifier 31, wherein the processor 50 is set to have an
10 amplification factor of the amplifier 31 and a threshold related to the noise level, and if a noise at a level of the threshold or more is output from each of two or more of the amplifiers 31, the processor 50 executes process of reducing the amplification factor of each of the two or more amplifiers 31, and process of specifying any one of the noises by comparing the level of the noise output from each of the two or more amplifiers 31
15 having the reduced amplification factor.