

ABSTRACT

The discharge detector 1 of the present invention includes: a filter circuit 11 configured to pass a noise superimposed on the current or voltage in a predetermined
5 frequency range; an amplifier 12 configured to amplify a level of the noise passed through the filter circuit 11; and a processor 10 configured to detect occurrence of discharge based on the noise level amplified by the amplifier 12, wherein the processor 10 is set to have a threshold related to the noise level and a determination time to determine whether discharge has occurred, the processor 10 is capable of selectively
10 executing either one of a discharge detection mode or a learning mode, and the processor 10 in the learning mode executes process of sampling the noise at the level of the threshold or more and resetting the value of the setting of the determination time based on a result of the sampling.