

ARC DETECTION SYSTEM, ARC DETECTION METHOD, AND PROGRAM

[ABSTRACT]

5 An arc detection system (100) includes a first obtainment unit (11), a second obtainment unit (12), and a determination unit (13). The first obtainment unit (11) obtains a measurement result of current (I1) flowing in a power line (L1) to which power is supplied from a power supply (2) or a measurement result of voltage (V1) in
10 the power line (L1). The second obtainment unit (12) obtains quality information about the quality of communication with a device (3) connected to the power line (L1) through power line communication with the device (3) via the power line (L1). The determination unit (13) determines whether or not an arc fault has
15 occurred in the power line (L1) based on components in a specific frequency band of the measurement result obtained by the first obtainment unit (11) and the quality information obtained by the second obtainment unit (12).

20 [Fig.1]