

ELECTRIC CIRCUIT ABNORMALITY DETECTION DEVICE

ABSTRACT

An electric circuit abnormality detection device (10) includes a pulse generator (11), a directional coupler (12), and a detection unit (14). The detection unit (14) includes a reference reflected wave database (25) and a calculation part (21). The reference reflected wave database (25) stores waveform information of a reference reflected wave inputted from the directional coupler (12) when a pulse signal is inputted to a reference electric circuit that has a same wiring pattern as a pulse heater (30) and does not have an abnormality. The calculation part (21) detects an abnormality in the pulse heater (30) by comparing waveform information of a reflected wave inputted from the directional coupler when the pulse signal is inputted to the pulse heater (30), with waveform information of the reference reflected wave stored in the reference reflected wave database (25).

Fig.1