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ABSTRACT

According to one embodiment, an apparatus is prevented from being stopped by a breakdown of one or more of multiple temperature detector used to detect an abnormality of a resonance frequency. The apparatus includes: a circuit that adjusts power from a power supply to power of a desired voltage; an inverter that converts the power output by the circuit into alternate-current power; a resonance circuit having an inductance and a capacitance; a transformer that converts the alternate-current power; a rectifier that converts the alternate-current into direct-current power; temperature detector that detects temperatures of the resonance circuit; and a controller that detects an abnormality of a resonance frequency in response to that the temperatures are equal to or higher than a predetermined temperature threshold, and, in response to that the temperature detector of the resonance circuit is abnormal, executes control for handling the abnormality of the temperature detector.

