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(54) Title: CONTROL OF ELECTRIC INFRASTRUCTURE INTEGRATED WITH SOLID STATE TRANSFORMERS

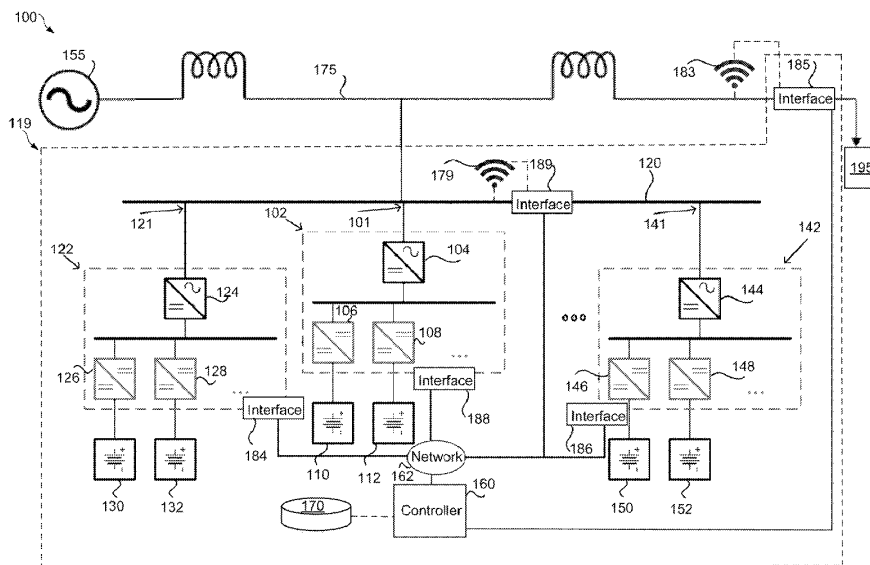


FIG. 1

(57) Abstract: A system for controlling an electric infrastructure includes one or more interfaces coupled to one or more stations. The stations are operable to receive first electric energy via a bus. Each station is operable to receive the first electric energy from a power supply and to transmit second electric energy to one or more entities. Each station is operable to transmit third electric energy back towards the bus. A controller system includes the one or more interfaces and a controller. The controller system includes one or more hardware processors that detect an existence of a fault within the electric infrastructure, determine a faulty type, and based on the faulty type, adjust an operation of a particular station of the stations to compensate for the fault. The fault indicates an outage or performance loss.

[Continued on next page]

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