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Abstract of the Disclosure:

To simplify the structure, realize autonomous automation, digitalize data, and effectively use data
5 by utilizing a network. A measuring card for measuring voltage and current according to values detected by the state detector that detects voltage and current of the system, a protection card for performing a protective arithmetical operation according to values
10 detected by the state detector and outputting a protection command to a controller, and a control card for performing a protective arithmetical operation according to values detected by the state detector and outputting a control command to a controller are
15 integrated within an on-site cubicle, wherein the protection card, measuring card, and control card are connected to the substation monitoring and controlling device via a serial bus which is shared by those cards, and data is sent and received between those cards and
20 the monitoring and controlling device via the serial bus.

[Selected Figure] Fig. 1