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(54) Title: ADAPTIVE METERING IN A SMART GRID

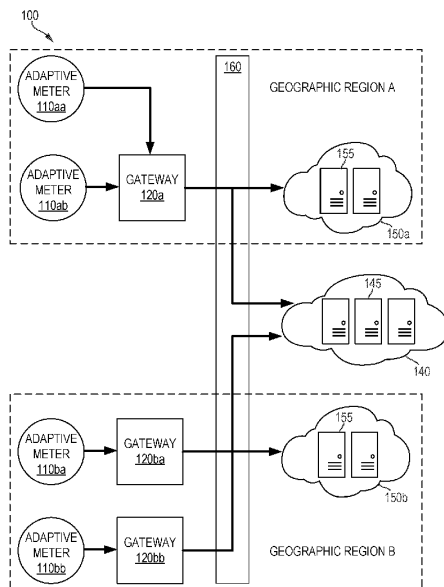


FIG. 3

(57) Abstract: An implementation of a utility meter is connected to a resource and to a customer premises. The utility meter includes a sensor, a converter, and a radio. The sensor is configured to detect a characteristic of resource usage by the customer premises. The converter is configured to convert the characteristic to raw consumption data describing the resource usage. The radio is configured to transmit the raw consumption data output by the converter to a remote processing system. The remote processing system includes one or both of a fog and a cloud. The fog is associated with a geographic region of the utility meter and performs data processing on the raw consumption data and on regional raw consumption data received from other endpoints in the geographic region. The cloud performs data processing on the raw consumption data as well as on data received from other endpoints across various geographic regions.

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