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(54) Title: METHOD AND SYSTEM FOR REDUCING FEEDER CIRCUIT LOSS USING DEMAND RESPONSE

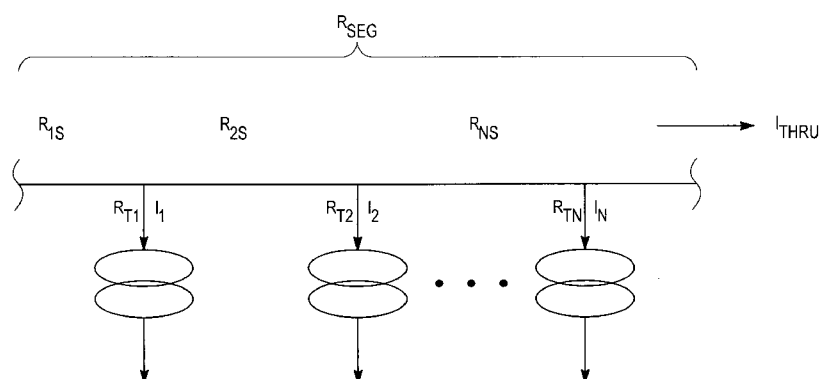


FIG. 4

(57) Abstract: A system and method that analyzes at least one aspect of the power grid for demand response in order to reduce feeder circuit losses is provided. The system and method may use a demand response model to select one or more factors for the demand response (such as selecting a subset of customers for demand response from a larger pool of available demand response customers). The demand response model may include a grid structure component (such as an indication of the particular customer's position in the grid) and a dynamic operation component (such as a real-time measurement of current in the feeder circuit). By using the demand response model, feeder circuit losses may thereby reduced.