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(54) Title: METHODS FOR AUTOMATICALLY CHARACTERIZING A PLASMA

(57) Abstract: A method for automatically characterizing plasma during substrate processing is provided. The method includes collecting a set of process data, which includes at least data about current and voltage. The method also includes identifying a relevancy range for the set of process data, wherein the relevancy range includes a subset of the set of process data. The method further includes determining a set of seed values. The method yet also includes employing the relevancy range and the set of seed values to perform curve-fitting, wherein the curve-fitting enables the plasma to be automatically characterized.

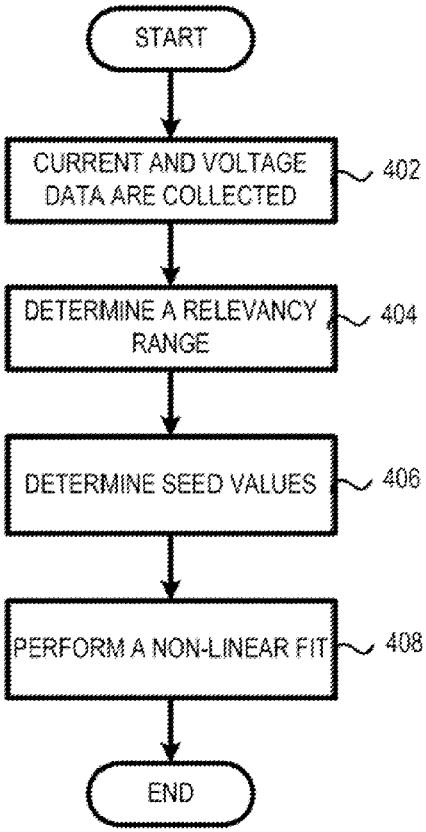

FIG. 4

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