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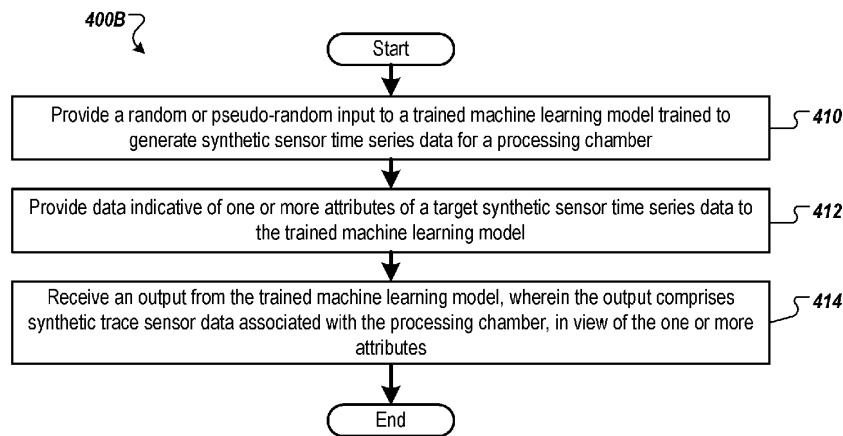


FIG. 4B

(57) Abstract: A method includes providing a random or pseudo-random input to a first trained machine learning model trained to generate synthetic sensor time series data for a processing chamber. The method further includes providing first data indicative of one or more attributes of target synthetic sensor time series data to the first trained machine learning model. The method further includes receiving an output from the first trained machine learning model. The output includes synthetic sensor time series data associated with the processing chamber. The output is generated in view of the first data indicative of the one or more attributes.

[Continued on next page]

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