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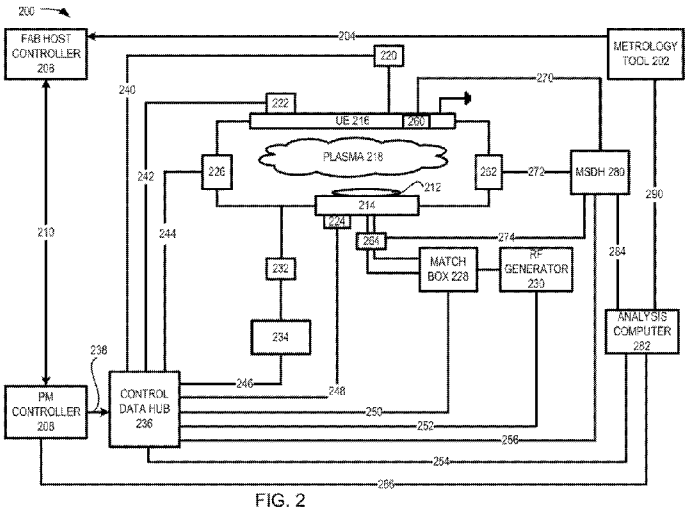


FIG. 2

(57) Abstract: An arrangement for implementing an automatic in-situ process control scheme during execution of a recipe is provided. The arrangement includes control-loop sensors configured at least for collecting a first set of sensor data to facilitate monitoring set points during the recipe execution, wherein the control-loop sensors being part of a process control loop. The arrangement also includes independent sensors configured at least for collecting a second set of sensor data, which is not part of the process control loop. The arrangement yet also includes a hub configured for at least receiving at least one of the first set of sensor data and the second set of sensor data. The arrangement yet further includes an analysis computer communicably coupled with the hub and configured for performing analysis of at least one of the first set of sensor data and the second set of sensor data.

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