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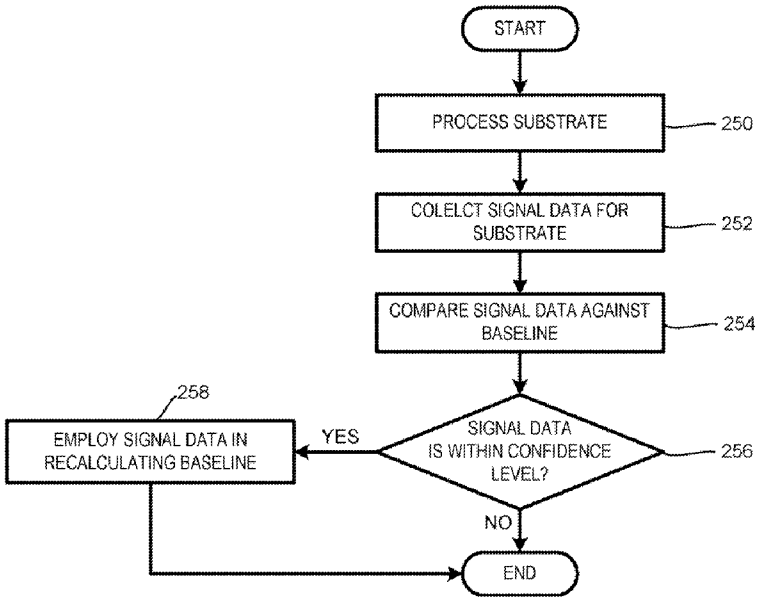
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(57) Abstract: In a plasma processing system., a method for dynamically establishing a baseline is provided. The method includes processing a first substrate The method also includes collecting a first signal data for the first substrate. The method further includes comparing the first signal data against the baseline The method moreover includes including the first signal data in a recalculation of the baseline if the fust signal data is within a confidence level range, which is in between a top level above the baseline and a bottom level below the baseline.

WO 2008/042578 A3