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(54) Title: GROUPING FEATURES OF SHOWERHEADS IN SUBSTRATE PROCESSING SYSTEMS

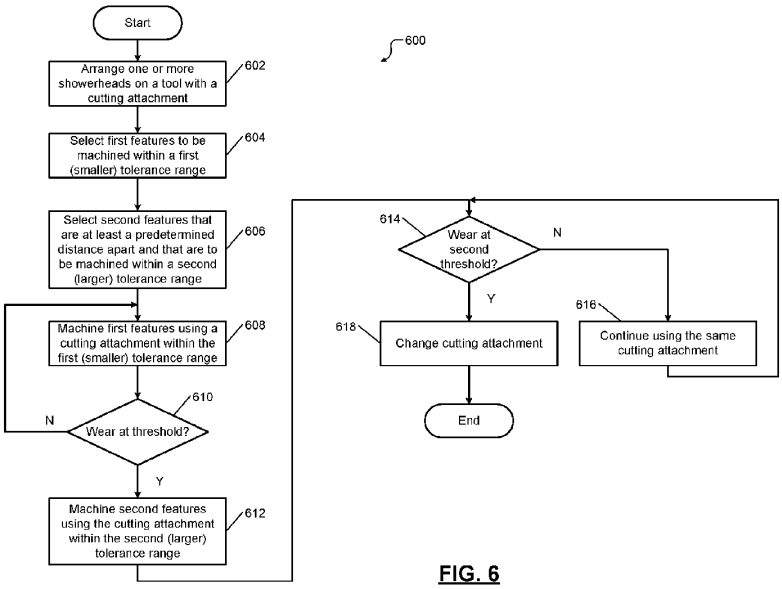

FIG. 6

(57) Abstract: A method includes selecting first features to be machined within a first tolerance range, and second features, which are located at least a predetermined distance apart, to be machined within a second tolerance range of a specified dimension for the selected features. The method includes machining, using a cutting attachment of a tool, the first features within the first tolerance range, and when a parameter associated with the tool causing variation in dimension of the first selected features reaches a predetermined threshold, machining, using the cutting attachment, the second selected features within the second tolerance range. In a second method, a mean value of dimensions of the first and second features is less than or equal to a predetermined mean deviation from the specified dimension, and a standard deviation of the dimensions of the first and second features is less than or equal to a predetermined standard deviation.

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