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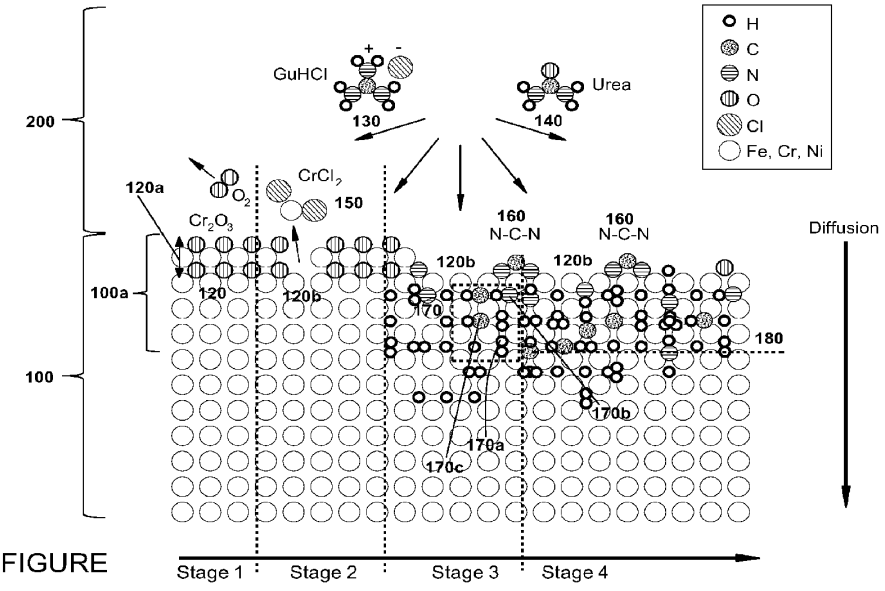
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(54) Title: ACTIVATION OF SELF-PASSIVATING METALS USING REAGENT COATINGS FOR LOW TEMPERATURE NITROCARBURIZATION IN THE PRESENCE OF OXYGEN-CONTAINING GAS



FIGURE

(57) Abstract: A method for low-temperature interstitial case formation on a self-passivating metal workpiece includes exposing the workpiece in a heated gaseous environment comprising oxygen to pyrolysis products of a nonpolymeric reagent comprising nitrogen and carbon.

[Continued on next page]

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