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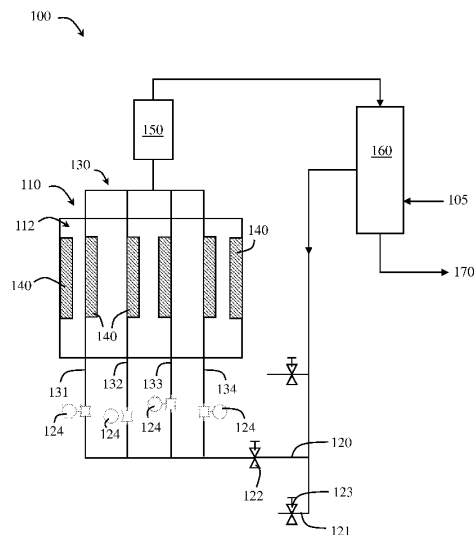


FIG. 1

(57) Abstract: A method of thermally cracking a hydrocarbon feed (105) includes feeding the hydrocarbon feed (105) into at least one coil (130) in a reaction section (112) of an electric heater (110), using electrical energy to heat the hydrocarbon feed (105) in the electric heater (110) to a reaction temperature, and directing a reaction output from the electric heater (110) to at least one exchanger (150) to cool the reaction output.

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