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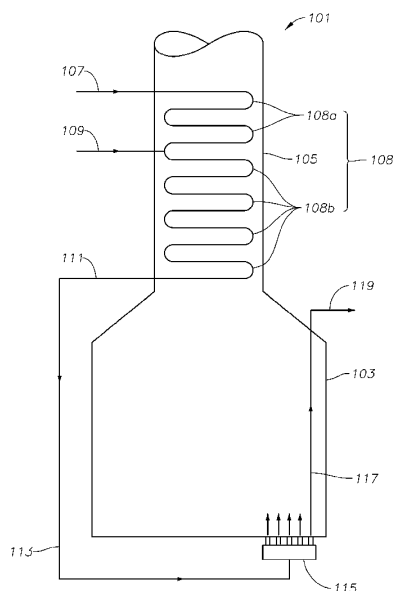
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(54) Title: PROCESS FOR STEAM CRACKING HYDROCARBONS



FIGURE

(57) Abstract: A steam cracking process for converting hydrocarbons into smaller hydrocarbons, particularly olefins, in a tube reactor comprising a convection section, a cross-over section, and a radiant section. The process includes heating the fluid mixture inside the tube to a temperature at the end of the convection section where significant cracking occurs in the cross-over section. The high convection section and cross-over section temperatures allow for lower tube wall temperature in the radiant section resulting in less coke deposition on the inner wall of the tube, and hence extended run-lengths between adjacent decoking sessions.

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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