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(54) Title: METHODS FOR REACTING HYDROCARBONS UTILIZING STRIPPERS

(57) Abstract: According to one or more embodiments described herein, olefinic compounds may be formed by a process including contacting a feed stream including one or more hydrocarbons with a particulate solid in a reactor. In the reactor, the one or more hydrocarbons may be reacted to form one or more olefinic compounds and coke may form on the particulate solid. The particulate solid may be passed from the reactor to a strip zone. In the strip zone, the particulate solid may be contacted with a strip gas and oxygen. The strip gas may include nitrogen, steam, or combinations thereof. In the strip zone, a majority of the coke may be reacted with oxygen to form carbon dioxide. The majority of the carbon dioxide produced in the strip zone may be passed out of the strip zone and combined with the one or more olefinic compounds.

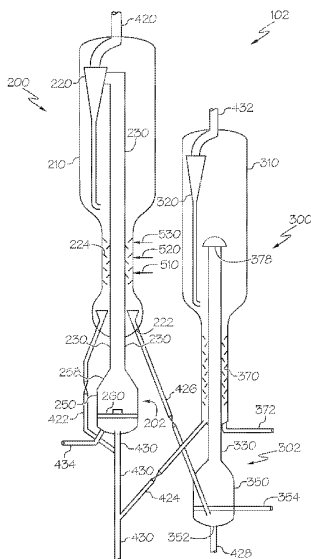


FIG. 1

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- *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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