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(54) Title: AN INTEGRATED PROCESS FOR CONVERTING CARBON OXIDE TO OLEFINS

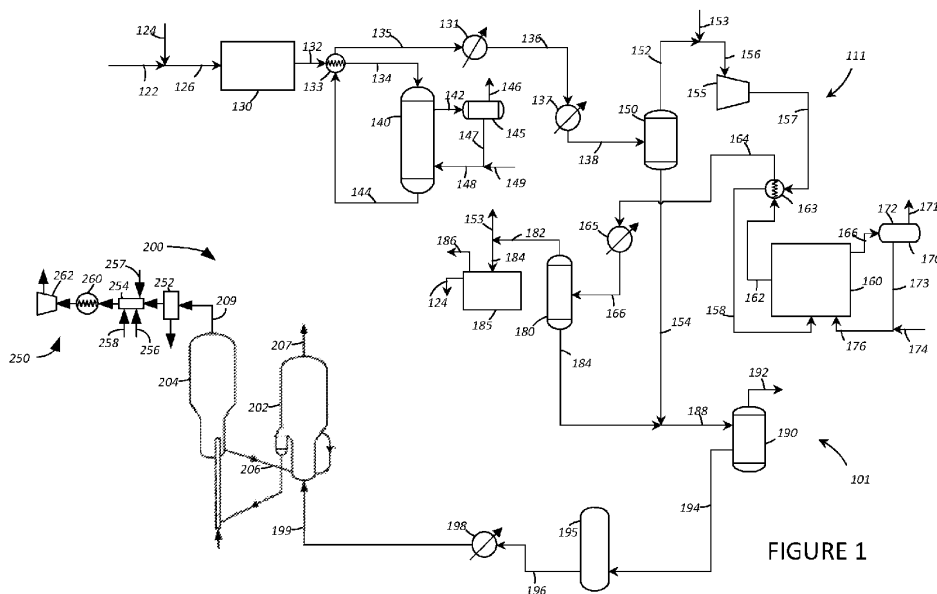


FIGURE 1

(57) Abstract: An integrated process for producing light olefins by integrating methanol purification with olefin production from methanol. The methanol fed to the MTO process may be crude methanol or purified methanol with the heavy oxygenates removed and treated with heavy oxygenates in the MTO effluent. By eliminating or reducing the need for purification of methanol by the methanol supplier, the cost will be reduced for methanol conversion to olefins or fuels.

[Continued on next page]

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