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(54) Title: METHOD AND APPARATUS FOR CONVERTING HYDROCARBONS INTO OLEFINS

(57) Abstract: An apparatus and method are provided for processing hydrocarbon feeds. The method may pass a pyrolysis feed to a thermal pyrolysis reactor and expose at least a portion of the pyrolysis feed to high-severity operating conditions in a thermal pyrolysis reactor, wherein the thermal pyrolysis reactor is operated at operating conditions that include pressure ≥ 36 psig and provide a reactor product that has a C_3^+ to C_2 unsaturate weight ratio ≤ 0.5 .



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