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(54) Title: INTEGRATED CRUDE REFINING WITH REDUCED COKE FORMATION

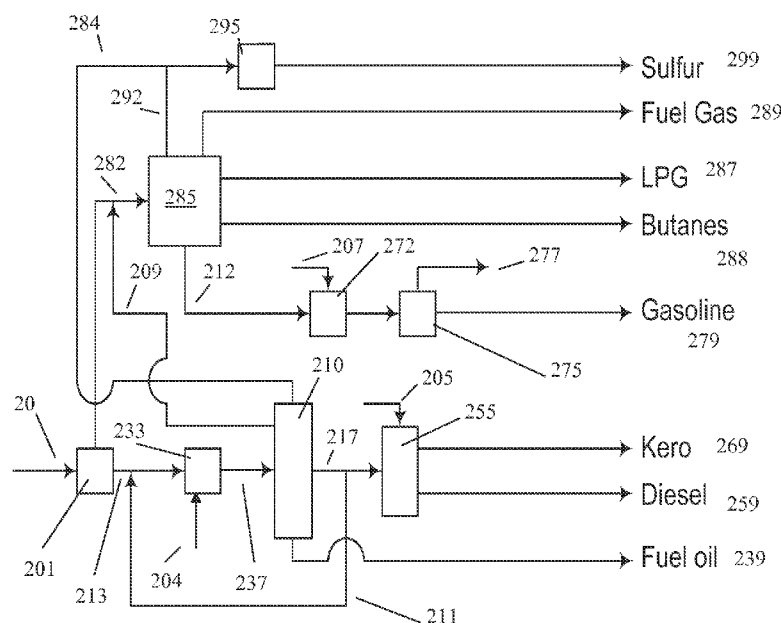


FIG. 2

(57) Abstract: Methods are provided for processing crude oil feeds with reduced or minimized energy usage, reduced or minimized numbers of processing steps, improved allocation of hydrogen, and reduced or minimized formation of low value products. The methods reduce or minimize the use of vacuum distillation, and in many aspects reduce or minimize the use of both atmospheric and vacuum distillation. The methods also reduce or minimize the use of coking and fluid catalytic cracking processes.



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