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(54) Title: METHOD FOR PROCESSING HYDROCARBON PYROLYSIS EFFLUENT

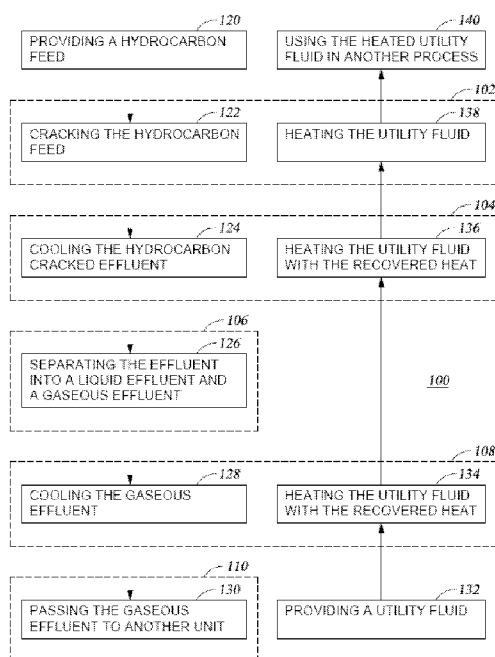


Fig. 1

(57) Abstract: A method and system are disclosed for treating the effluent from a hydrocarbon pyrolysis unit employing a small primary fractionator. The method comprises cooling the effluent from a furnace through a first heat exchanger, a vapor-liquid separator, and a second heat exchanger before it is passed to a fractionator for further processing. These heat exchangers may also be utilized to heat a utility fluid as part of the cooling process. Further, one or more generators and a third heat exchanger may also be used to assist in heat recovery for the process.



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