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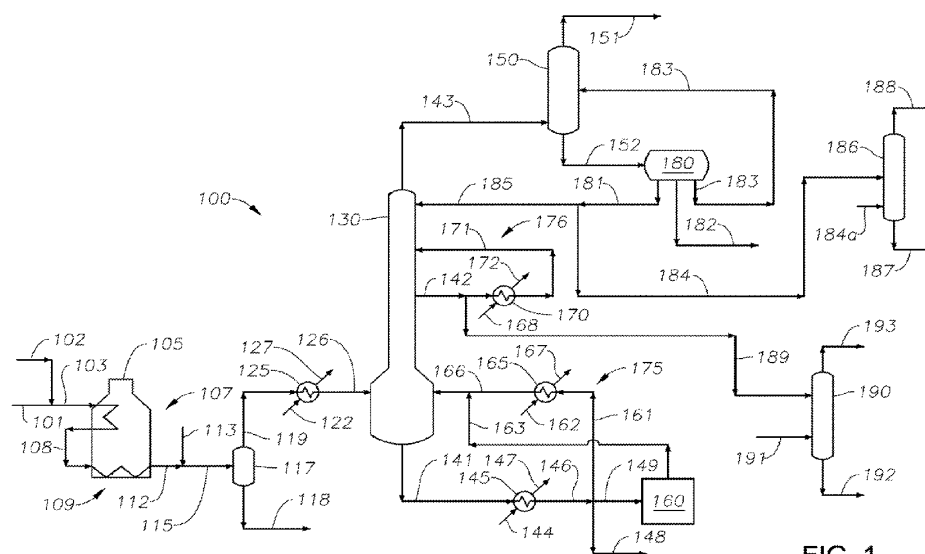


FIG. 1

(57) Abstract: The process can include transferring heat from a light product in a first heat exchange stage to produce a cooled product and a first medium pressure steam and separating a steam cracker quench oil therefrom. Heat can be transferred from the steam cracker quench oil in a second heat exchange stage to produce a first cooled quench oil and a second medium pressure steam. Heat can be transferred from at least a portion of the first cooled quench oil in a third heat exchange stage to produce a second cooled quench oil and low pressure steam. A total heat duty generated in the first heat exchange stage, the second heat exchange stage, and the third heat exchange stage can be equal to Q_{T1} and a heat duty generated in the first heat exchange stage and the second heat exchange stage can be $\geq 0.5Q_{T1}$ joules/sec.

[Continued on next page]

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