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(54) Title: RECOVERY OF HEAT FROM LOW PRESSURE WASTE STREAMS

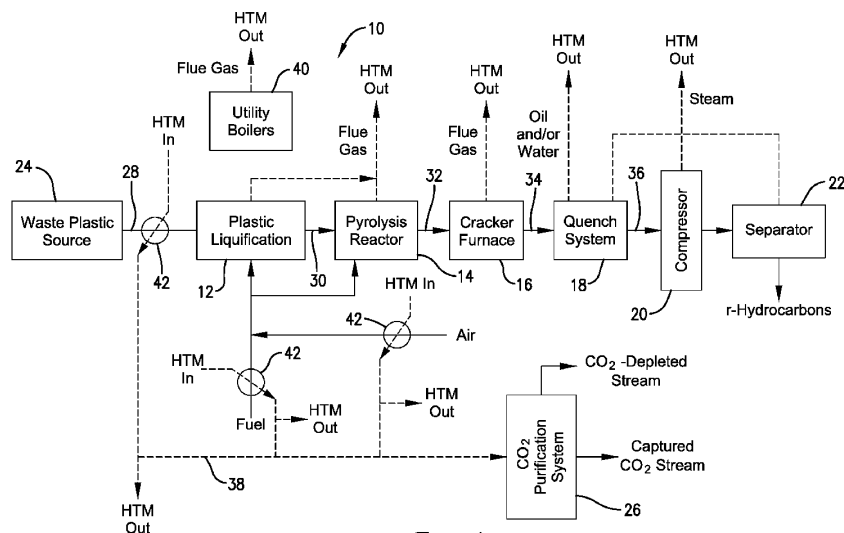


Fig. 1.

(57) Abstract: It has been discovered that heat energy may be captured from typical waste streams, such as flue gas streams, that were previously lost due to exhausting. More particularly, it has been discovered that residual heat energy from various waste streams in a chemical recycling facility may be used to preheat waste plastic streams and provide heat for waste plastic pyrolysis. Consequently, the pyrolysis processes and systems described herein may obtain a lower carbon footprint.

[Continued on next page]

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