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(54) Title: RECOVERY OF HEAT FROM PYROLYSIS FLUE GAS

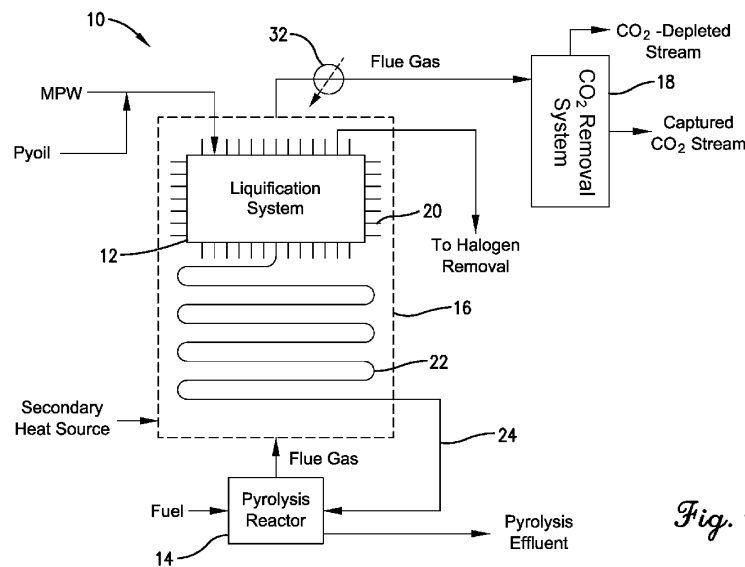


Fig. 1.

(57) Abstract: It has been discovered that heat energy may be captured from the flue gas from a pyrolysis reactor, which was previously lost due to exhausting. More particularly, it has been discovered that residual heat energy from pyrolysis flue gas 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.

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