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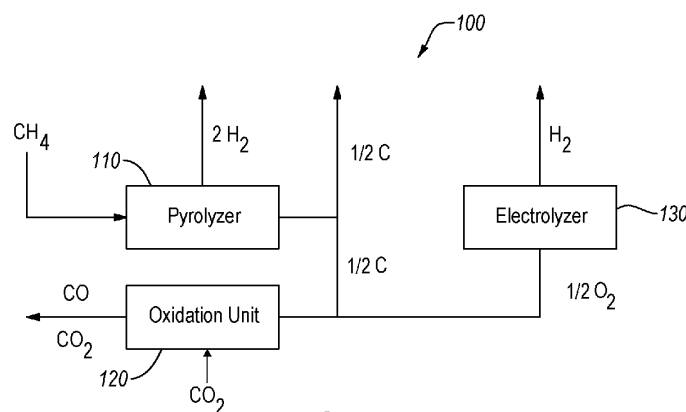
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(54) Title: ELECTROLYSIS AND PYROLYTIC NATURAL GAS CONVERSION SYSTEMS FOR HYDROGEN AND LIQUID FUEL PRODUCTION



(57) Abstract: Embodiments of the invention relate to systems and methods for producing hydrogen gas and liquid fuels from methane-containing gases or organic feedstock using one or more of pyrolysis or electrolysis. The systems and methods include using gasifiers, oxidation units, cleaners, and liquid fuel manufacturing systems to produce liquid fuels. Ratios of carbon to hydrogen are controlled in the systems and methods to provide efficient liquid fuel and hydrogen formation.

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