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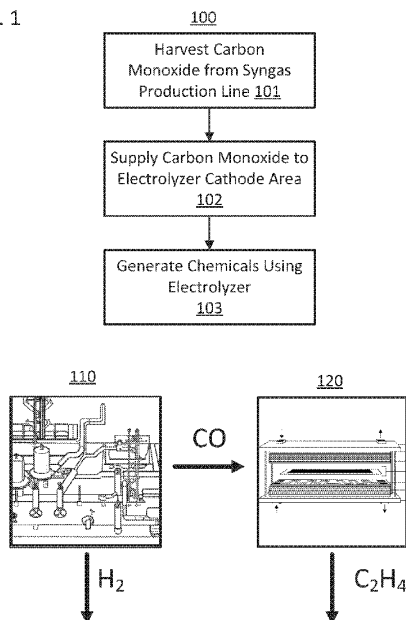
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(54) Title: SYNGAS EVOLUTION PROCESS AND CARBON MONOXIDE ELECTROLYSIS

FIG. 1



(57) Abstract: Methods and systems related to augmenting syngas production using electrolysis are disclosed. A disclosed method includes harvesting a volume of carbon monoxide from a syngas production system operating on a volume of natural gas, supplying the volume of carbon monoxide to a cathode area of an electrolyzer, and generating, using the volume of carbon monoxide and the electrolyzer, a volume of generated chemicals. The volume of generated chemicals is at least one of: a volume of hydrocarbons, a volume of olefins, a volume of organic acids, a volume of alcohols, and a volume of N-rich organic compounds.

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