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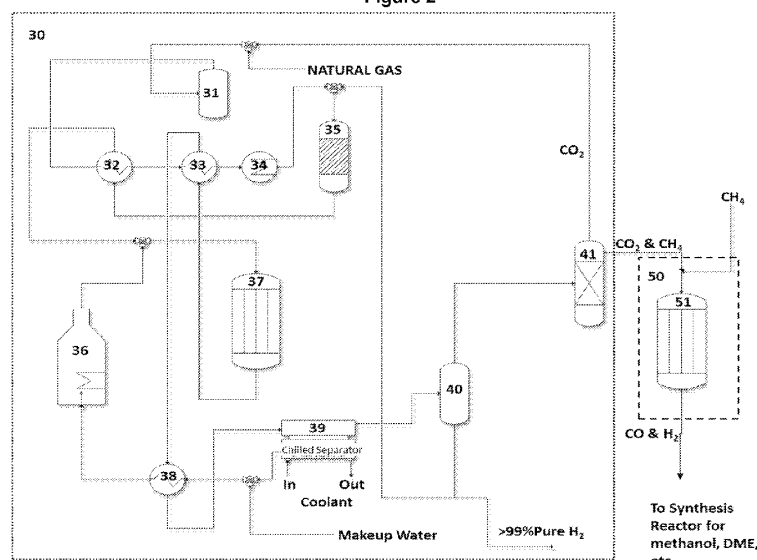
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(54) Title: METHANE REFORMER FOR THE PRODUCTION OF HYDROGEN AND A HYDROCARBON FUEL

Figure 2



(57) Abstract: The present disclosure is directed to systems and methods for reforming methane into hydrogen and a hydrocarbon fuel. In example embodiments, the methane reformer integrates a photocatalytic steam methane reforming (P-SMR) system with a subsequent photocatalytic dry methane reforming (P-DMR) system.

[Continued on next page]

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