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(54) Title: METHOD OF COMPRESSING CARBON DIOXIDE USING HIGH-PRESSURE ELECTROLYSIS

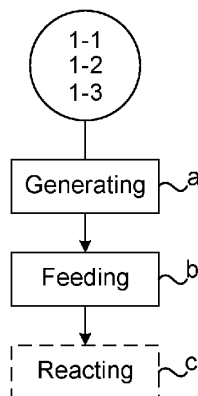


Fig. 4

(57) Abstract: A method of compressing carbon dioxide, CO₂, comprising: a) generating a stream of high-pressure oxygen gas and a stream of high-pressure hydrogen gas using a high-pressure electrolyser, b) feeding a reciprocating positive displacement pump comprising a reciprocating member, with a stream of CO₂, and with the stream of high-pressure oxygen gas as drive gas to actuate the reciprocating member and compress the CO₂ to obtain a stream of high-pressure CO₂.

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