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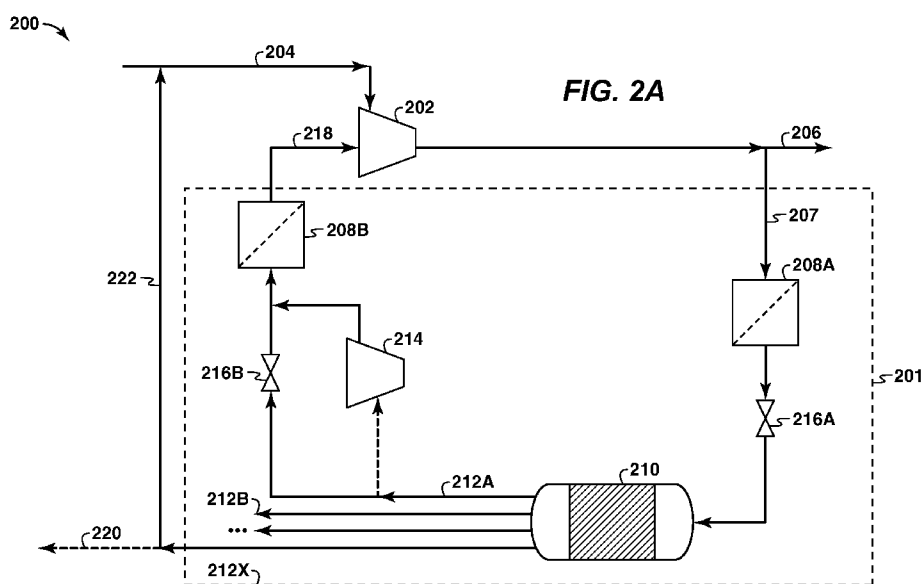
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(54) Title: METHODS OF GENERATING AND UTILIZING UTILITY GAS



(57) Abstract: The present application is directed to a method and system for preparing gaseous utility streams from gaseous process streams, nitrogen process streams, and other types of streams. The methods and systems may include at least one swing adsorption process including pressure swing adsorption, temperature swing adsorption, and rapid-cycle adsorption processes to treat gaseous streams for use in dry gas seals of rotating equipment such as compressors, turbines and pumps and for other utilities. The systems and processes of the present disclosure are further applicable to high pressure gaseous streams, for example, up to about 600 bar.



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CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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