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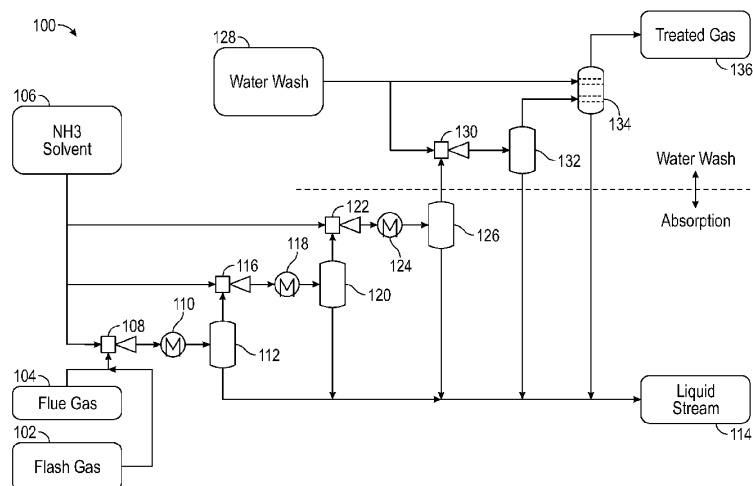


FIG. 1

(57) Abstract: Systems and methods for removing carbon dioxide from a combustion flue gas and/or air by using a high-pressure aqueous ammonia solvent and a plurality of liquid driven ejectors to absorb and remove the carbon dioxide for carbon capture utilization or storage. The aqueous ammonia solvent is regenerated at a high pressure to save potential compression energy required for the absorption and removal of carbon dioxide.

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