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(54) Title: TEMPERATURE SWING ADSORPTION OF CO₂ FROM FLUE GAS UTILIZING HEAT FROM COMPRESSION

FIG. 8(a)

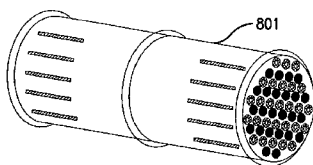


FIG. 8(b)

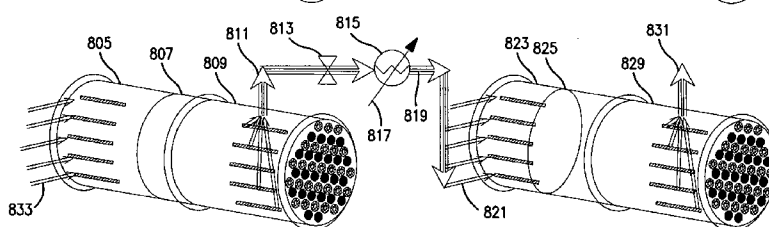
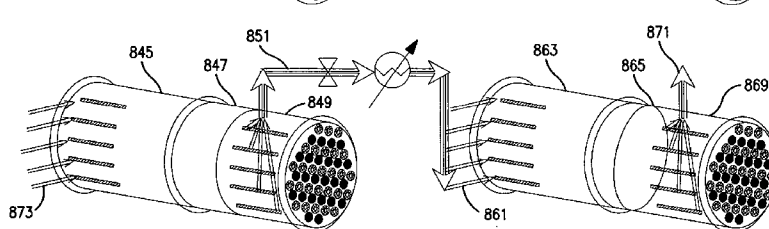


FIG. 8(c)



(57) Abstract: Adsorption of CO₂ from flue gas streams using temperature swing adsorption. The resulting CO₂ rich stream is compressed for sequestration into a subterranean formation and at least a portion of the heat of compression is used in the desorption step of the temperature swing adsorption process.