



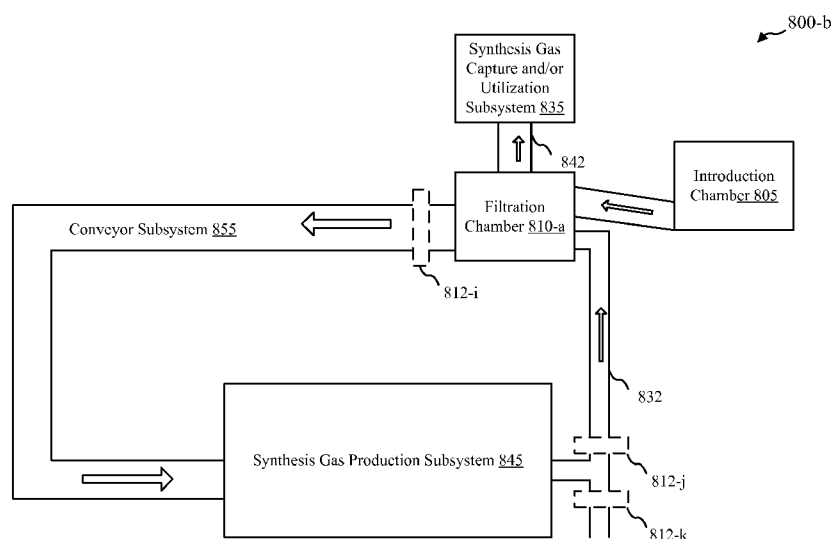
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- (71) **Applicant: PROTON POWER, INC.** [US/US]; 487 Sam Rayburn Parkway, Lenoir City, TN 37771 (US).
- (72) **Inventors; and**
- (71) **Applicants :** **WEAVER, Samuel, C.** [US/US]; 12100 Channel Point Drive, Knoxville, TN 37922 (US). **HENSELEY, Daniel, L.** [US/US]; 12300 Todwick Lane, Knoxville, TN 37934 (US). **WEAVER, Samuel, P.** [US/US]; 2423 23rd Street, Boulder, CO 80304 (US). **WEAVER, Daniel, C.** [US/US]; 5190 Intersoll Place, Boulder, CO 80303 (US).
- (74) **Agent: WILSON, David, B.;** Holland & Hart LLP, David B. Wilson, 1800 Broadway, Suite 300, Boulder, CO 80302 (US).

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(54) **Title:** METHODS, SYSTEMS, AND DEVICES FOR SYNTHESIS GAS RECAPTURE

(57) **Abstract:** Methods, systems, and/or devices for synthesis gas recapture are provided, which may include methods, systems, and/or devices for filtering a synthesis gas stream. In some cases, tars, particulates, water, and/or heat may be removed from the synthesis gas stream through the filtering of the synthesis gas stream. The filtered synthesis gas stream may then be captured and/or utilized in a variety of different ways. Some embodiments utilizing a C-O-H compound to filter a synthesis gas stream. In some embodiments, the C-O-H compound utilized to filter the synthesis gas stream may be utilized to produce additional synthesis gas. The additional synthesis gas may be filtered by additional C-O-H compound.