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(71) Applicant *(for all designated States except US)*: **XYLECO, INC.** [US/US]; 271 Salem St., Unit L, Woburn, MA 01801 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **MEDOFF, Marshall** [US/US]; 271 Salem St., Unit L, Woburn, MA 01801 (US). **MASTERMAN, Thomas** [US/US]; 271 Salem St., Unit L, Woburn, MA 01801 (US). **BAE, Seula** [US/US]; 271 Salem St., Unit L, Woburn, MA 01801 (US). **WALLICK, Kelly** [US/US]; 271 Salem St., Unit L, Woburn, MA 01801 (US).

(74) Agent: **LEBER, Celia**; 2682 NW Shields Dr., Bend, OR 97701 (US).

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(54) Title: PROCESSING BIOMASS

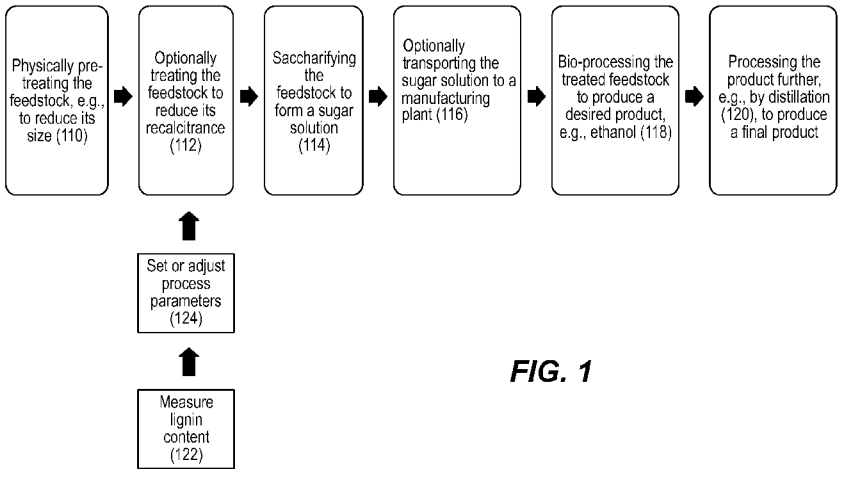


FIG. 1

(57) Abstract: Biomass (e.g., plant biomass, animal biomass, and municipal waste biomass) is processed to produce useful intermediates and products, such as energy, fuels, foods or materials. For example, methods are described that can use feedstock materials, such as cellulosic and/or lignocellulosic materials, to produce an intermediate or product, e.g., by fermentation.