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61/305,281 17 February 2010 (17.02.2010) US(71) Applicant (for all designated States except US): **XYLECO, INC.** [US/US]; 271 Salem St., Unit L, Woburn, Massachusetts 01801 (US).

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Declarations under Rule 4.17:

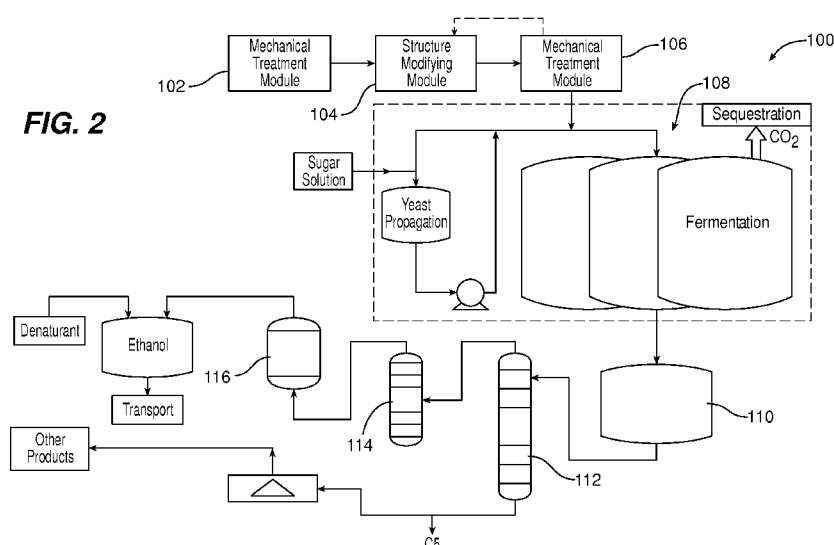
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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(54) Title: PROCESSING BIOMASS

FIG. 2



(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, systems are described that can use feedstock materials, such as cellulosic and/or lignocellulosic materials, to produce an intermediate or product, e.g., by fermentation.