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(54) Title: SYSTEMS AND METHODS OF PROCESSING BIOMASS FOR CARBON SEQUESTRATION

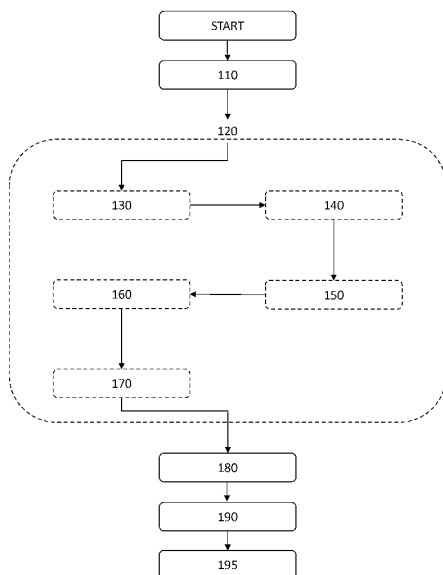


FIG. 1

(57) Abstract: Systems and methods for processing, storing, and/or monitoring biomass are generally described. The systems and methods include in different described embodiments one or more of the following process step or capabilities for sequestering carbon from biomass: comminuting the biomass; sterilizing or reducing bioburden or the ability to sustain biological activity of the comminuted biomass, for example by heated drying, consolidating biomass; encapsulating consolidated biomass; and quantifying a carbon content of the biomass. Certain systems and methods further include the capability for detecting leakage or degradation of processed biomass sequestered in a biomass storage facility.

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