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(54) Title: THE USE OF TRACERS TO MONITOR THE CONDITION OF STORED MATERIALS

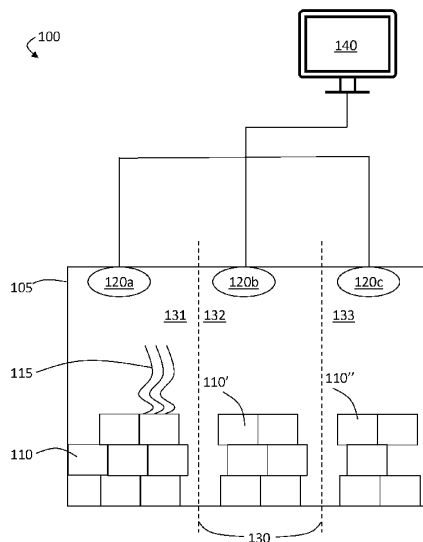


FIG. 1

(57) Abstract: Some aspects are generally related systems for monitoring degradable material, for example, biomass, food products, pharmaceuticals, and/or nuclear waste. In some embodiments, the degradable materials are stored in a materials storage facility. In some embodiments, one or more tracers may be included in a compartment containing the degradable material in the materials storage facility. Degradation of the material and/or exposure of the material to conditions in which the material may degrade may release the one or more tracers from the compartment of the storage facility, in some embodiments, after which the one or more tracers may be detected. Some aspects are related to the use of one or more tracers and/or combinations thereof when at least two tracers are present. Still other aspects are related methods of using the systems and/or detecting the one or more tracers for monitoring the degradable materials.

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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