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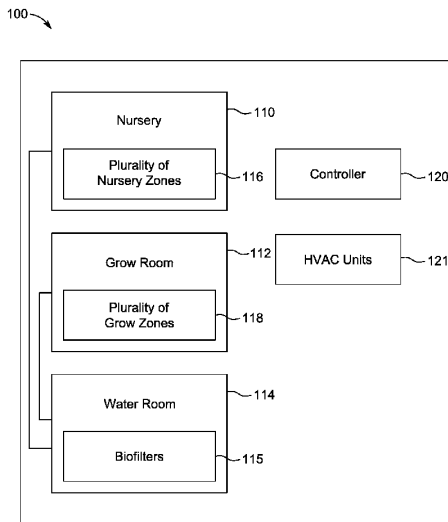


FIG. 1

(57) Abstract: Disclosed herein are control systems and methods for managing and controlling the localized environment for growing plants in an indoor organic environment. The methods and systems provide for optimizing the climate at the localized level beneath the plant canopy to ensure the climate promotes plant growth. The control system controls the environment by monitoring, adjusting, and managing various systems within the indoor growing environment such as an air circulation system, a temperature control system, an irrigation system, a nutrition delivery system, a lighting system, and a sensor system, either individually or in various combinations.

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