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(54) Title: DEVICE, SYSTEM, AND METHOD FOR FARMING

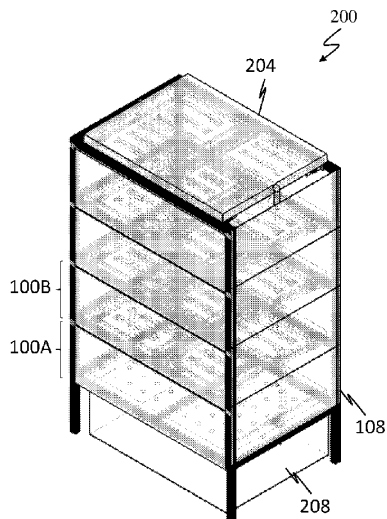


FIG. 4A

(57) Abstract: Various embodiments concern a device for farming, the device comprising a growth tray, the growth tray shaped and dimensioned to receive one or more plants for growth and comprising a base portion for allowing flow of a fluid growth medium; a frame extending from the growth tray to define a roof portion; the roof portion configured to receive at least one artificial light source, the at least one artificial light source capable of providing illumination to the growth tray to facilitate plant growth; and a shield mechanism configured to generate an isolated environment within a volume defined by the growth tray, the frame, and the roof portion; wherein the base portion is configured to contact the at least one artificial light source of another device in a manner such that in operation, the flow of the fluid growth medium dissipates heat from the at least one artificial light source.

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