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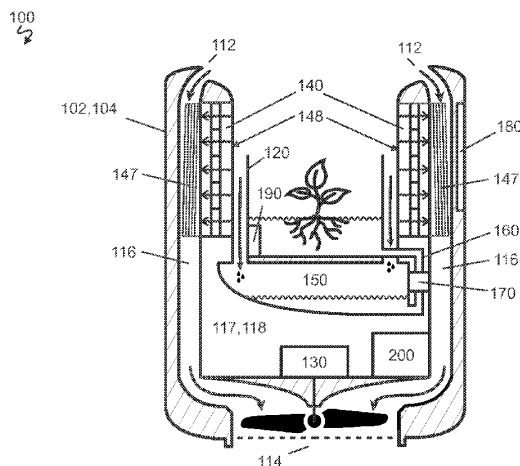


FIGURE 1

(57) Abstract: An atmospheric water harvesting system associated with an associated plant including a body defining: an air inlet vent; an air outlet vent; and an air conduit fluidically coupling the air inlet vent to the air outlet vent. The system also includes: a convection subsystem configured to cause ambient air to flow into the inlet vent, through the air conduit, and out of the outlet vent; a harvesting subsystem arranged near the air conduit and configured to contact the ambient air flowing through the air conduit; a water reservoir configured to collect water extracted by the harvesting subsystem; a water delivery structure configured to release water from the water reservoir toward a root system of the associated plant; a water dispensing subsystem configured to control water flow from the water reservoir to the water delivery structure; ambient sensors; delivery sensors; and an electronic control subsystem.

[Continued on next page]

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