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(54) **Title: IRRIGATION SYSTEM FOR A VERTICAL GROWTH TOWER**

(57) **Abstract:** There is presented an irrigation system for use in a vertical growth tower, the irrigation system comprising a watering head mounted on the lift mechanism of the vertical growth tower such that the lift mechanism is configured to transfer a growth tray from a stack of growth trays from a storage position to a management position and to move the watering head into position to water a growth tray within the vertical growth tower.

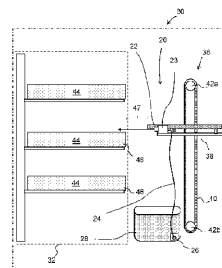


Figure 1

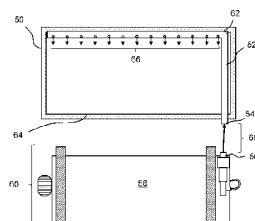


Figure 2