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(54) Title: MODULAR GROWTH UNIT FOR A VERTICAL FARMING SYSTEM

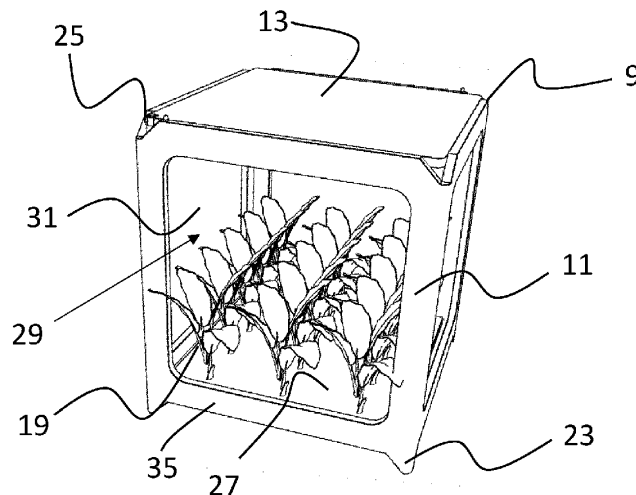


Figure 4

(57) Abstract: A modular growth unit (9) for forming a three dimensional extendible structure, the modular growth unit (7) comprising a top wall (13), a bottom wall (15) and sidewalls (11) extending between the top (13) and bottom walls (15) to define a box like structure having an interior space (17), the top and bottom walls (13, 15) comprising at least one interlocking feature (21, 23, 25) so as to enable one modular growth unit (9) to interlock with another modular growth unit when placed on top of each other in a stack (7), the bottom wall (15) having a rim (35) around the perimeter of the bottom wall (15) so as to define a growth tray for receiving at least one growth medium (27) for germinating, propagating and/or growing living organisms (19), and the top wall (13) supporting a lighting unit (39) configured to radiate light within at least one spectral region associated with the growing living organisms (19) within the interior space (17) of the box-like structure; **characterised in that** a sidewall (11) of the box-like structure comprises a window (29) having

[Continued on next page]

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an opening (31) extending into the interior space (17) of the box-like structure so that the interior space (17) of the modular growth unit (9) is accessible externally through the window (29).