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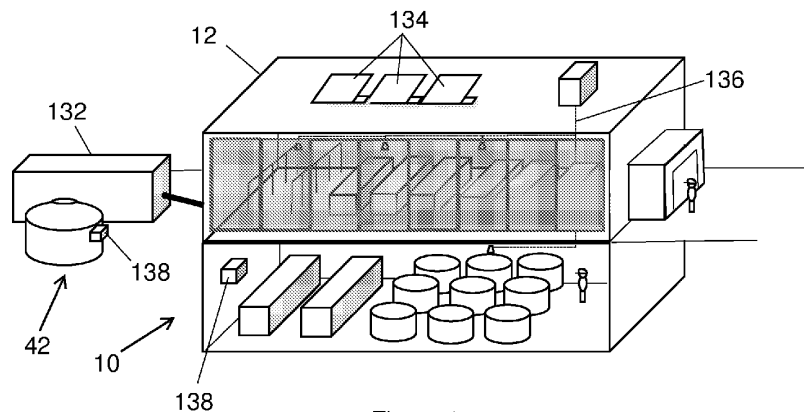


Figure 1

(57) Abstract: A controlled environment agriculture system (10) and method are described, in which the system (10) is modular and configured for retrofit location in a pre-existing building structure (12). The system (10) comprises one or more multi-modal farm modules (34), the or each multi-modal farm module (34) comprising an aquaculture module (36), a plant production module (38), a mushroom production module (40) and a waste regeneration module (42). The aquaculture module (36), plant production module (38), mushroom production module (40) and waste regeneration module (42) are coupled together and operatively associated to form a process loop, whereby at least one output (44) from the aquaculture module (36) forms an input into the plant production module (38), at least one output (46) from the plant production module (38) forms an input into the mushroom production module (40), at least one output (48) from the mushroom production module (40) forms an input into the waste regeneration module (42), and at least one output (50) from the waste regeneration module (42) forms an input into the aquaculture module (36).

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