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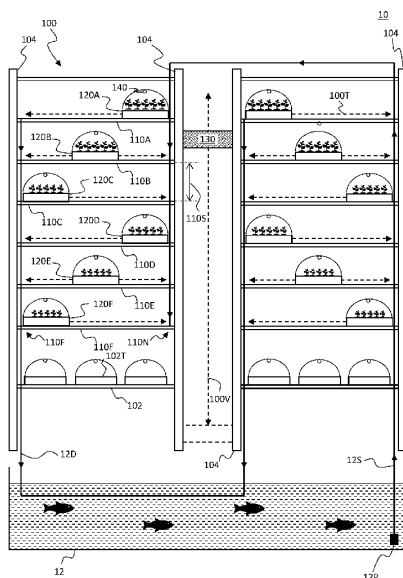


Fig. 1

(57) Abstract: An aquaponic system is provided. Aquaponic system includes a hydroponic system disposed above and in fluid communication with an aquaculture system. The hydroponic system includes a plurality of frames arranged in a vertical direction and spaced apart from each other at a pre-determined spacing, such that the plurality of frames are adapted to allow light therethrough, such that each of the plurality of frames includes a length extending in a longitudinal direction perpendicular to the vertical direction and a width extending in a lateral direction perpendicular to the vertical direction and the longitudinal direction, such that each of the plurality of frames includes a bed having a length extending in the longitudinal direction and slidably attached to the each of the plurality of frames and adapted to slide along the width of the each of the plurality of frames, such that the bed is adapted to hold crops and fluidly connected to the aquaculture system, and a platform for supporting a user and adapted to travel to the plurality of frames in the vertical direction. Further, a method of arranging beds of a plurality of frames of an aquaponic system according to the above embodiment is provided.

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