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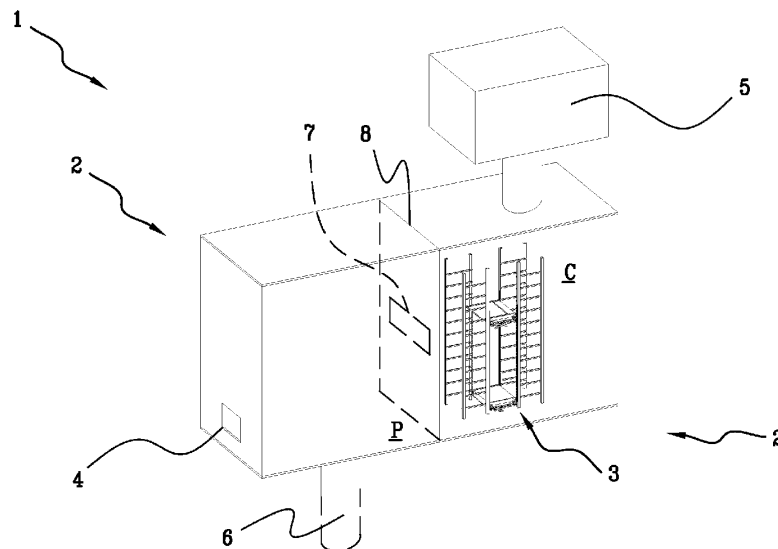
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(54) Title: VERTICAL FARM SYSTEM

Fig.1



(57) Abstract: A vertical farm system (1) comprises at least two modules each of which has a closed volume thereof with respect to an external environment, wherein a first module comprises a plant crop cultivation apparatus (3) while a second module comprises a collection opening (4) configurable between a closed position and an open position, a movement means configured to convey the plant crops from the cultivation apparatus (3) towards the collection opening (4) through a transfer passage (7), a carbon dioxide source (5) configured to blow a predetermined amount of carbon dioxide into the first module so as to define at least one respective growth module (C) of the plant crops, and a forced carbon dioxide recovery duct (6) configured to aspirate the carbon dioxide contained in the second module so as to define a collection module (P) of the plant crops.

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