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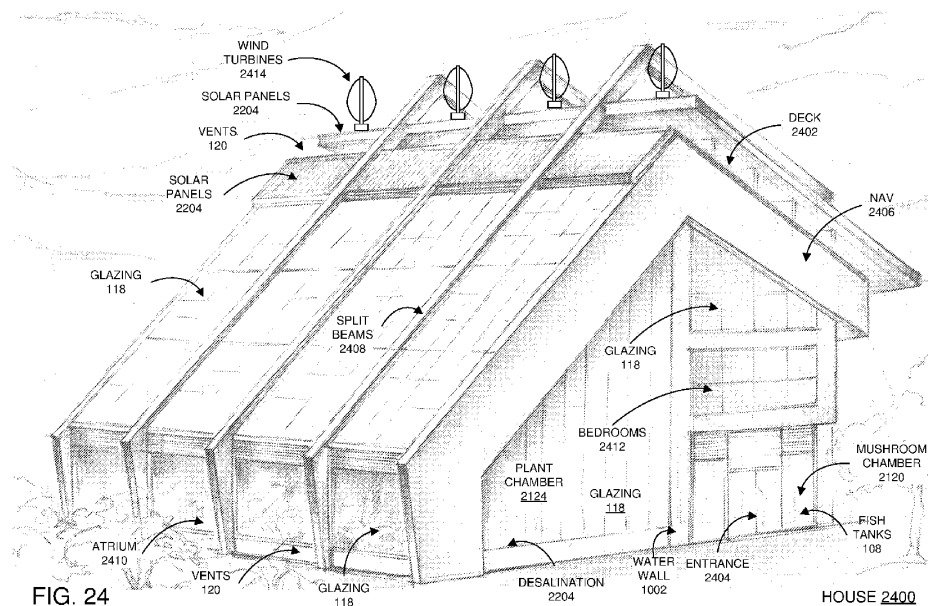
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(54) Title: SYSTEM AND METHOD FOR PASSIVE SOLAR HOUSES, BUILDINGS AND SKYSCRAPERS WITH INTEGRATED
AQUAPONICS, GREENHOUSE AND MUSHROOM CULTIVATION



(57) Abstract: An insulated passive house, building, or skyscrapers system and method with integrated aquaponics, greenhouse, and mushroom cultivation, includes a glazing on a sun facing side at an angle to maximize winter sunlight, and housing a fish tank; a plant growing area; a mushroom growing area; a shop, apartment or office area; a water wall thermal mass that divides the plant growing area from the mushroom growing and the shop, apartment or office areas, and the fish tank; and a natural air ventilation (NAV) system that provides misted air to the mushroom growing and the shop, apartment or office areas, and the fish tank from O₂ generated by the plant growing area, and CO₂ generated by the mushroom growing and the shop, apartment or office areas, and the fish tank to the plant growing area.

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