

ABSTRACT

Disclosed is an ecological building with an organic agricultural aquaculture function and an internal circulation treatment function. The ecological building comprises a production maintenance passage (20) arranged on the building and located on an elevation of an external wall of each storey. Replaceable planting boxes (3) are arranged on an external wall of the building, each kitchen in the building is provided with a garbage crusher, and each toilet in the building is provided with a vacuum toilet system. A biogas digester (7) is in communication with a vacuum base station (8), the vacuum base station (8) is connected to the vacuum toilet system via a vacuum pipeline (10), the biogas digester (7) is in communication with a biogas slurry storage pool via a biogas slurry pipeline (11), and an inlet end of the biogas digester (7) is connected to a discharge port of the garbage crusher via a black water delivery pipeline (12). The ecological building realizes ecological environmental protection and zero discharge of household garbage, and has an organic agriculture production function and an internal circulation treatment function.