GARBAGE TREATMENT APPARATUS

ABSTRACT:

A garbage treatment apparatus of the type which includes a cylindrical container formed to store an amount of porous inorganic balls containing microorganism effective for decomposition of garbage and to store an amount of garbage to be treated, a rotation shaft vertically mounted for rotary movement in a central portion of the container, a driving mechanism mounted on the container for driving the rotation shaft, a screw propeller assembly mounted to a lower portion of the rotation shaft for rotation therewith to feed downward the inorganic balls and garbage stored in the container, a flow adjustment plate in the form of a truncated conical plate mounted within a bottom portion of the container concentrically with the rotation shaft and placed in an upwardly expanded condition, and a rotary disk horizontally mounted to a lower end of the rotation shaft for rotation therewith and placed under the propeller assembly, the rotary disk being coupled with the flow adjustment plate to close a lower end opening of the adjustment plate and being rotatable relative to the flow adjustment plate. In the treatment apparatus, the inorganic balls and garbage stored in the container are agitated by the propeller assembly during rotation of the rotation shaft and moved downward at the central portion of the container to flow upward along the flow adjustment plate and the inner peripheral wall of the container.

Figure 1