

A Method For Digesting Biodegradable Packaging Waste And An Apparatus Thereof

Abstract

The present invention relates to a method for digesting biodegradable packaging waste and an apparatus thereof. Specifically, the present invention relates to a method of treating biodegradable packaging waste prior to subjecting the biodegradable packaging waste to a biological valorisation process and an apparatus thereof. The apparatus includes a tank for receiving the biodegradable packaging waste therein, the tank comprises a top portion and a bottom portion below the top portion, an air supply module adapted to supply air into the tank, a microbe injector adapted to inject mesophilic microbe into the tank, such that the tank is adapted to receive the biodegradable packaging waste, air and mesophilic microbe therein, wherein the biodegradable packaging waste is subjected to mesophilic aerobic digestion prior to conveying the biodegradable packaging waste from the tank to a biological valorisation system to subject the biodegradable packaging waste to the biological valorisation process.

Fig. 1