ABSTRACT

An insect monitoring system (ISM) and e-commerce system are provided. The ISM includes an insect attracting light, an intake, an exhaust, an airflow conduit between intake and exhaust, an insect collecting mesh in the conduit, a fan for the airflow conduit, and camera(s). The insect attracting light and the fan are activated such that insects are drawn into the intake and trapped against the insect collecting mesh. The insect collecting mesh is rotatively to either trap or release insects, cleaning means are provided to clean the mesh from insects or debris. Camera images of the insects are analyzed using a machine learning algorithm to recognize a type and number of insects. Recommendations are provided based on the analysis. The insect monitoring system can be connected to electronic client devices over a communication network. The electronic devices are provided with an e-commerce application for sale of products and services.

<Figure 1>