ABSTRACT

SMART INSECT COLLECTION DEVICE

A smart insect collection device comprising: a trapping device; a sensing device having a through opening in fluid connection with the trapping device; a processing unit to receive electrical signals from the sensing device; and a collecting module comprising: a selection plate having at least one through hole configured to engage an opening of a collection container for collection of insects therein, the sensing device provided between the trapping device and the selection plate, the selection plate movable between at least one non-collecting position and at least one collecting position; and a controller in communication with the processing unit and with a motor provided to move the selection plate, the controller programmable to activate the motor to move the selection plate to the collecting position in response to the processing unit identifying an insect passing through the through opening to be an insect of a predetermined kind for collection.

FIG. 13