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(54) **Title:** A METHOD FOR PROVIDING AN INSECT POPULATION GROWTH FORECAST, A MONITORING DEVICE AND A SYSTEM

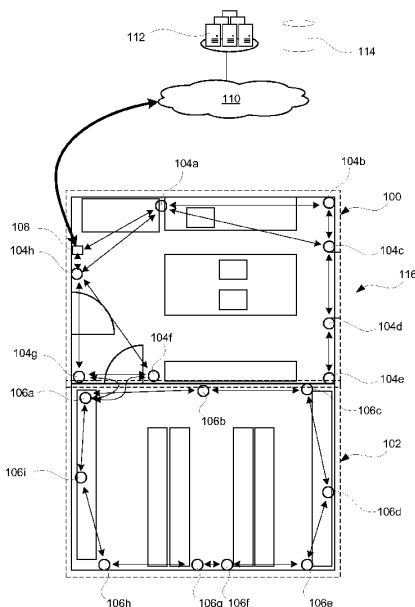


Fig. 1

(57) **Abstract:** A method (500) for providing an insect population growth forecast in a monitored area (100) is presented. The method comprises obtaining (502) sensor data sets (300a-h) from a plurality of monitoring devices (104a-h) placed in the monitored area (100) for a sample time period, wherein each monitoring device (104a-h) comprises at least one sensor (408a-f), wherein the sensor data sets (300a-h) comprises for each sensor detection a detection time point, determining (504) a number of individuals detected in the monitoring devices (104a-h) during the sample time period based on the sensor data sets (300a-h), obtaining (506) respective location data sets (302a-h) for the plurality of monitoring devices (104a-h), wherein each location data set (302a-h) at least provides a distance to another monitoring device among the plurality of monitoring devices, and determining (508) the insect population growth forecast by combining the number of individuals detected in the monitoring devices (104a-h), the detection time points registered by the monitoring devices (104a-h), and the location data sets (302a-h) of the monitoring devices (104a-h).

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