

Nicolas Vargas

**Search history**

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Search 2: 1 and camera and sensor (Results 15)  
Search 3: 2 and PD<20171128 (Results 9)  
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**Title: MOSQUITO TRAP**

**Abstract:** The application provides an apparatus for attracting **mosquitoes**. The apparatus includes one or more **mosquito**-breeding containers, a purging container with a purging pump, and a purging tube. In particular, the breeding container includes a water outlet that is provided at a bottom of the breeding container. The purging pump is provided for transferring water out of the purging container. The purging tube is connected to the purging container and to the breeding container water outlet of the breeding container. The purging tube is provided for allowing water with any egg or larvae to flow, by gravitational force, from the breeding container to the purging tube and to the purging container. The purging pump is further provided with a predetermined low water operating level, which is positioned below the purging tube.

**Classifications:**

**International (IPC 8-9):** A01K67/033 A01M1/00 (Advanced/Invention)

**CPC:** A01K67/033 A01M1/02 A01M1/106 Y02A50/371

PatBase - WO15111007\_A1

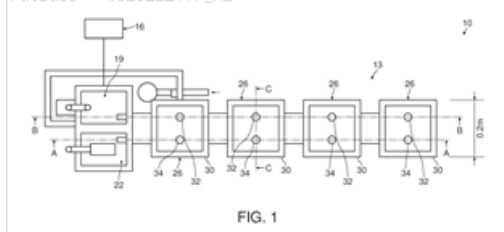


FIG. 1

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| SG11201605617Y A1  | 20160830         | SG20161105617      | 20150126         |
| WO15111007 A1      | 20150730         | WO20151B50560      | 20150126         |

**Priority:**

WO2014IB58520 20140124 SG20141002154 20140507 SG20141005033 20140819  
 WO2015IB50560 20150126 SG20161105617 20150126

**Probable Assignee:** SCHWEIGER MARTIN RAINER GABRIEL

**Assignee(s):** (std): SCHWEIGER MARTIN RAINER GABRIEL

**Inventor(s):** (std): SCHWEIGER MARTIN RAINER GABRIEL

**Agent(s):** SCHWEIGER MARTIN ET AL

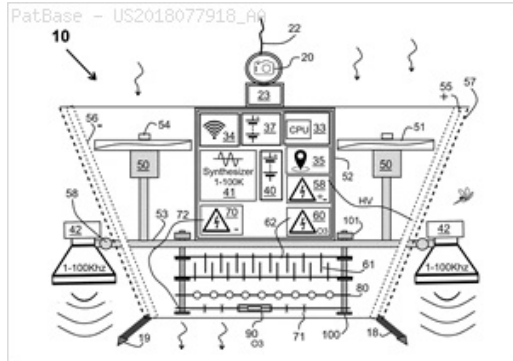
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**Title:** MULTI FUNCTION PHOTO ELECTRO ACOUSTIC IONS DRONE

**Abstract:** An autonomous drone integrated with wide bandwidth, high energy acoustic wave generators sent to evict and eradicate agricultural pests within a patrolling area. The drone hovering close to a plant bombards its leaves and fruits with high energy acoustic waves via frequency and tone determined by an onboard synthesizer through acoustic power amplified to drive the sideways and bottom mounted acoustic wave generators. Agricultural pests such as caterpillar, beetle and the like are bombarded with powerful acoustic waves causing their bodies to vigorously vibrate and resonate with synthesizer frequency to dislodge or kill the pests. Other insects such as moths are forced airborne by a propeller's strong downdraft and are electrocuted by integrated high voltage screens. Inside a hotel room, the drone hovers close to a surface of a bedding mattress, bombarding the surfaces with powerful acoustic waves tuned to frequencies that cause bed bugs to resonate and die.

**Classifications:**

**International (IPC 8-9):** A01M1/02 A01M1/06 A01M1/08 A01M1/10 A01M1/20 A01M1/22 A01M29/00 A01M5/00 A01M5/02 B64C13/20 B64C27/00 B64C27/08 B64C39/02 B64D45/00 G05D1/02 H05C3/00 (Advanced/Invention)  
**CPC:** A01M5/02 A01M1/023 A01M1/06 A01M1/08 A01M1/106 A01M1/223 A01M29/00 B64C39/024 B64D45/0015 B64C2201/12 Y02A50/371 A01M1/10 A01M1/02 A01M1/226 B64D45/00 G05D1/02



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB201814324 A0     | 20181017         | GB20180014324      | 20170519         |
| IN201847036077 A   | 20181123         | IN201847036077     | 20180925         |
| US2018077918 AA    | 20180322         | US20170724943      | 20171004         |
| US9807996 BA       | 20171107         | US20160269173      | 20160919         |
| US9999213 BB       | 20180619         | US20170724943      | 20171004         |
| WO17209974 A1      | 20171207         | WO2017US33433      | 20170519         |
| WO18182944 A1      | 20181004         | WO2018US21543      | 20180308         |

**Priority:**

US20160392341P 20160528 US20160269173 20160919 US20170601652P 20170325  
WO2017US33433 20170519 US20170724943 20171004

**Probable Assignee:** CHANG HUEI MENG

**Assignee(s):** (std): CHANG HUEI MENG ; YU SIMON SIU CHI ; YU SMON SU CH

**Inventor(s):** (std): YU SIMON ; YU SIMON SIU CHI ; YU SMON SU CH

**Agent(s):** LYMAN; MOULTON PATENTS PLLC

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

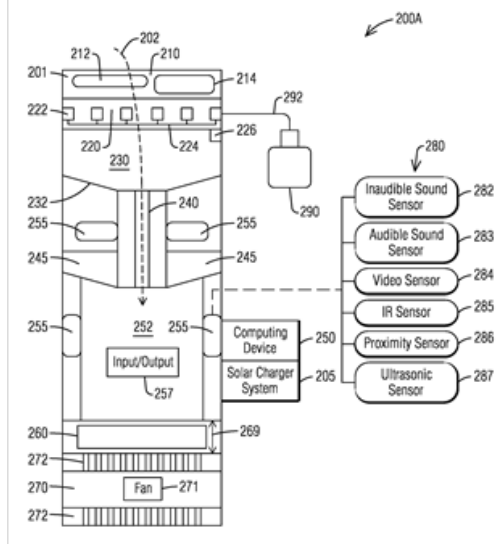
**Title:** WIRELESS SMART MOSQUITO AND INSECT TRAP DEVICE, NETWORK AND METHOD OF COUNTING A POPULATION OF THE MOSQUITOES OR INSECTS

**Abstract:** Embodiments relate to smart mosquito and insect trap devices, networks and method for detecting, counting, trapping and discarding a population of mosquitoes and/or insects. The mosquito species include the ones such as Aedes mosquito species that can cause Zika virus diseases. The device comprising a housing (201) having a directional force through a narrow path (240) to move an insect or mosquito in a predetermined direction. The device comprises one or more detectors (255) to detect a presence of an insect or mosquito along the path (240). An isolated basket (260) or trap is included to trap the insect or mosquito at a location below or at an end of the path. A processor (352) tracks a count of a population in the basket based on detection of the presence of the insect or mosquito.

**Classifications:**

**International (IPC 8-9):** A01M1/02 A01M1/06 A01M1/10 A01M1/12  
G05B15/02 (Advanced/Invention)  
**CPC:** A01M1/08 A01M1/106 G05B15/02 A01M1/12 A01M1/06  
A01M1/026 A01M1/02 A01M1/023

PatBase - US2018279598\_AA



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2018279598 AA    | 20181004         | US20160566930      | 20160413         |
| WO16168347 A1      | 20161020         | WO2016US27352      | 20160413         |

**Priority:**

US20150146904P 20150413      US20160566930 20160413      WO2016US27352 20160413

**Probable Assignee:** UNIV OF FLORIDA RESEARCH FOUNDATION INC

**Assignee(s):** (std): UNIV FLORIDA ; UNIV OF FLORIDA RES FOUND INC ; UNIV OF FLORIDA RESEARCH FOUNDATION INC

**Assignee(s):** OF FLORIDA RESEARCH FOUNDATION INC UNIV

**Inventor(s):** (std): EISENSTADT WILLIAM R ; HUR BYUL

**Agent(s):** VAN DYKE TIMOTHY H ET AL

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW