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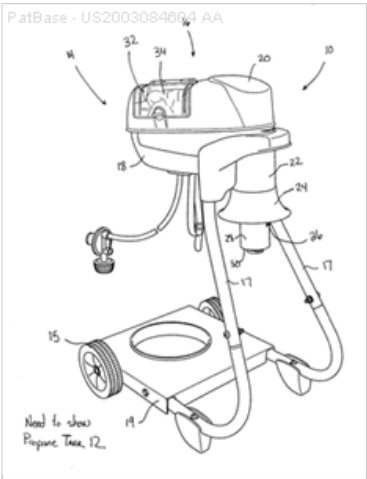
Records: 20 (1-20 of 20)
Export type: Family Export

1. Family 28448801 (US2003084604 AA)

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Title
[EN] SYSTEM FOR TRAPPING FLYING INSECTS AND A METHOD FOR MAKING THE SAME

Abstract
[EN] A flying insect trapping device configured to be used with a fuel supply containing combustible fuel. The device may include a supporting frame; an insect trap chamber carried on the supporting frame; and a combustion device which may also be carried on the supporting frame. The combustion device comprises an inlet port for connection with the fuel supply, an exhaust port, and a combustion chamber communicating the inlet port with the exhaust port. The inlet port enables the fuel from the fuel supply to flow into the combustion chamber for continuous combustion therein to create an exhaust gas within the combustion chamber. The combustion device further includes a catalyst element disposed within the combustion chamber. The catalyst element has a catalyst body with a plurality of essentially linear elongated conduits for enabling the exhaust gas created in the combustion chamber to flow therethrough towards the exhaust port. The catalyst body includes a catalytically active material that, during operation, converts carbon monoxide in the exhaust gas to carbon dioxide as the exhaust gas flows through the elongated conduits. An insect inlet is communicated with the insect trap chamber to enable flying insects to enter the trap chamber through the insect inlet. A vacuum device communicated to the insect inlet is constructed and arranged to draw insects attracted to the exhaust outlet through the insect inlet and into the insect trap chamber.



International Class: A01M1/02; A01M1/06; A01M5/00; A01M5/04; F23C99/00; F23D99/00; F01N3/28; F23D21/00; A01M1/00; F23C13/00; A01M1/08; A01M5/08
Cooperative Patent Class: A01M1/02; A01M1/023; A01M1/06; A01M1/106; A01M2200/012; A01M5/00; F23C99/00; F23D91/02; Y02A50/30; Y10S43/00; F23C13/00
US Class: 43/107; 43/139; 43/139P; 431/390

Family Information

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	AT404053 E	20080815	AT20020003821T	20021003	
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	US6840005 BB	20050111	US20020264260	20021004	७६
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Priority Numbers: US20010326722P [20011004]; WO2002US31550 [20021003]; AU20020356537 [20021003]; AU20080246208 [20081114]; EP20020800460 [20021003]; WO2002US31550 [20040402]; US20020264260 [20021004]; US20040859160 [20040603]

Probable Patent Assignee: WOODSTREAM CORP

Assignees: AMERICAN BIOPHYSICS CORP; WOODSTREAM CORP; DURAND EMMA A; PALOMBO MICHAEL J; AMERICAN BIOPHYSICS CORPATION

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Non Std Inventors: EMMA A DURAND; PALOMBO MICHAEL

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR; AE; AG; AL; AM; AU; AZ; BA; BB; BF; BJ; BR; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DZ; EC; GA; GD; GE; GH; GM; GN; GQ; GW; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LV; MA; MD; MG; MK; ML; MN; MR; MW; MX; MZ; NE; NO; NZ; OM; PH; PL; RO; RU; SD; SG; SI; SL; SN; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; UZ; VC; VN; YU; ZA; ZM; ZW

2. Family 59141805 (US2016270393 AA)

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Title
[EN] INSECT REPELLENT COMPOSITIONS AND METHODS OF USE

Abstract
[EN] In a bioassay for candidate mosquito repellent compounds, six compounds significantly reduced the number of landings on an attractant-baited pad in a chamber. In order of increasing efficacy the compounds found are 6-methyl-5-hepten-2-one, linalool, delta-decalactone, DEET, PMD and delta-undecalactone. Delta-undecalactone was tested and compared to other repellent compounds in a semi-field experiment. In both "push" and "push-pull" mode, delta-undecalactone provided significant mosquito repelling activity, and improved with respect to catnip and PMD. Delta-decalactone and delta-undecalactone provide improved mosquito repellents with a spatial effect for topical human or animal use, or in environmental control situations in either "push" or "push-pull" mode.

International Class: A01M1/10; A01M1/20; A01N25/00; A01N43/16; A01N65/00; A01P7/04; A01N25/10; A01P17/00; A1N25/00; A1N65/00; A1P7/04; A61K8/49; A61Q17/02; A01N25/34; A01N31/02; A01N35/02; A01N37/18; A01M; A01N; A01P

Cooperative Patent Class: A01M1/023; A01M1/106; A01M1/2027; A01M1/2038; A01M1/2061; A01M2200/01; A01N25/34; A01N31/02; A01N35/02; A01N37/18; A01N43/16; D06M13/228; Y02A50/30

US Class: 1/1; 424/403

Family Information

	Patent Number	Publication Date	Application Number	Application Date
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	BR112016009902 A2	20170801	BR20161109902	20141030
	CA2966411 AA	20170501	CA20142966411	20141030
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	ID201709080 A	20170825	ID2016P0003785	20141030
	SG11201604523S A1	20160728	SG20161104523	20141030
	US2016270393 AA	20160922	US20140033884	20141030
	WO15063238 A1	20150507	WO2014EP73399	20141030
	ZA201603800 A	20190424	ZA20160003800	20160603

Priority Numbers: WO2013EP72948 [20131104]; WO2014EP73399 [20141030]; EP20140792492 [20141030]; WO2013IB72948 [20131104]

Probable Patent Assignee: UNIV WAGENINGEN

Assignees: UNIV WAGENINGEN; WAGENINGEN UNIV

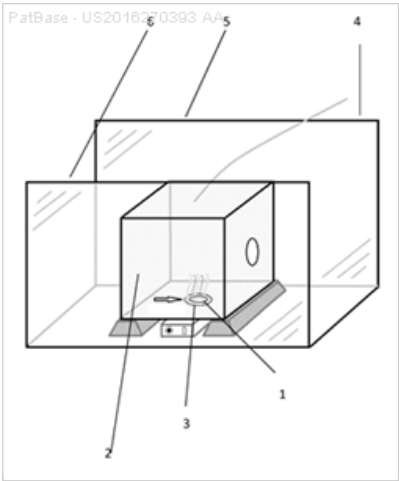
Non Std Assignees: WAGENINGEN UNIVERSITEIT; ZWIEBEL LAURENCE J; TAKKEN WILLEM; VAN LOON JOSEPH JOHANNES ANTONIUS; MUKABANA WOLFGANG RICHARD; PASK GREGORY M

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Non Std Inventors: WILLEM TAKKEN; JOSEPH JOHANNES ANTONIUS VAN LOON; LAURENCE J ZWIEBEL; GREGORY M PASK; RICHARD WOLFGANG MUKABANA

Agent(s): FB RICE; FB RICE PTY LTD; GOWLING WLG CANADA LLP; WILLIAMS RICHARD ANDREW NORMAN; HGF LTD; ADOLF MARTUA PANGGABEAN; WILLIAMS RICHARD; HGF LTD

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



3. Family 43983597 (US2009277076 AA)

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Title
[EN] DEVICE FOR ELIMINATION OF MOSQUITOES AND FLYING PESTS

Abstract
[EN] The present invention provides a device for eliminating mosquitoes and other harmful flying insects by eradicating the eggs and larvae laid or deposited in the device. The device is an electrically operated, self-contained, compact device that eliminates harmful flying insects and/or mosquitoes by attracting the insects to lay their eggs in a body of liquid within the device. This is accomplished with the use of attractants in the device, in the liquid, on the device, or around the device. The body of liquid acts as a breeding ground which is then periodically drained by a valve onto a screen or mesh of sufficient size to filter and separate eggs and larvae from the liquid. The eggs and larvae are then crushed, smashed, or otherwise destroyed by mechanical means. The liquid flows through a filter media, making it ready to be recycled from a reserve tank for reuse in refilling the body of liquid in the device.

International Class: A01M99/00; A01M1/00; A01M1/02
Cooperative Patent Class: A01M1/106; A01M1/12; Y02A50/30

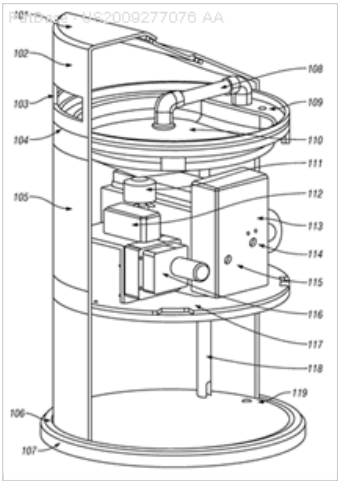
US Class: 43/132.1

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	US2009277076 AA	20091112	US20080118504	20080509
	WO09136951 A1	20091112	WO2008US64383	20080521

Priority Numbers: US20080118504 [20080509]
Probable Patent Assignee: MOSQUITO ABATEMENT SOLUTIONS I
Assignees: BOSTON THOMAS WILLIAM; MOSQUITO ABATEMENT SOLUTIONS I
Non Std Assignees: MOSQUITO ABATEMENT SOLUTIONS INC
Inventors: BOSTON THOMAS WILLIAM
Agent(s): CARSTENS AND CAHOON LLP; O HAGAN CHRISTOPHER P; CARSTENS AND CAHOON LLP

Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CH; CI; 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; 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; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SI; SK; SL; SM; SN; SV; SY; SZ; TD; TG; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW



4. Family 67171563 (US2017290323 AA)

[View in PatBase](#)

Title

[EN] SKEETER EATER™ APPARATUS AND METHOD FOR CONCENTRATING THEN KILLING MOSQUITO LARVAE

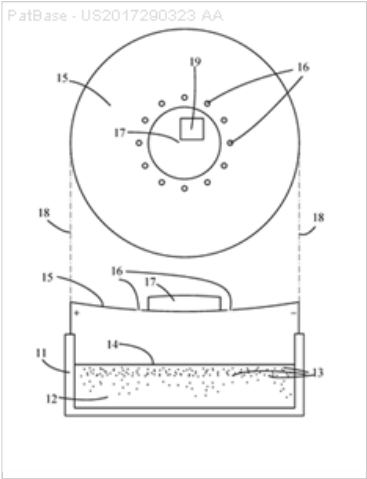
Abstract

[EN] An apparatus for concentrating then killing mosquito larvae, comprising: a mosquito larvae trap for containing a stagnant, stationary pool of water; and an electrical connection for enabling a power source attached to the electrical connection, to introduce an electrical current into the stagnant, stationary pool of water, with a voltage sufficient to electrocute mosquito larvae in the stagnant, stationary pool of water.

International Class: A01M1/02; A01M1/10; A01M1/22; A01M1/04

Cooperative Patent Class: A01M1/02; A01M1/106; A01M1/223; A01M2200/012; Y02A50/30; Y02B10/30

US Class: 1/1; 43/112



Family Information

Patent Number	Publication Date	Application Number	Application Date
US2017290323 AA	20171012	US20170632679	20170626
US2019150422 AA	20190523	US20190260045	20190128
WO19005430 A1	20190103	WO2018US35875	20180604
WO20159814 A1	20200806	WO2020US14909	20200124

Priority Numbers: US20170632679 [20170626]; WO2018US35875 [20180604]; US20190260045 [20190128]

Probable Patent Assignee: WELCH GERRY M

Assignees: WELCH GERRY MINER; WELCH GERRY M

Inventors: WELCH GERRY MINER; WELCH GERRY M; WELCH GERRY

Agent(s): YABLON JAY R

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; WS

5. Family 57698113 (US2017164596 AA)

[View in PatBase](#)

Title

[EN] ATTRACTANTS AND BAIT STATIONS COMPRISING DATE-DERIVED SYRUP PRODUCTS FOR ATTRACTING FLIES AND METHODS THEREIN

Abstract

[EN] The present invention discloses attractants and bait stations comprising date-derived syrup products for attracting biting flies and methods therein. The methods including the steps of: providing a bait station including: a date-derived syrup product for attracting at least one type of biting fly selected from the group consisting of: mosquitoes, sand flies, stable flies, biting midges, and stomoxys; and a substrate material for supporting the date-derived syrup product; and locating the bait station in a designated geographic area in order to attract said at least one type of biting fly. Preferably, the date-derived syrup product is derived from at least one date material selected from the group consisting of: dates, date paste, date syrup obtained from pressed dates, and commercially-available date syrup.

International Class: A01M1/20; A01N25/02; A01N65/00; A01M1/02; A01M25/00; A01M1/10; A01M1/14; A01N25/00; A01M; A01N65/40; A01P19/00; A01N

Cooperative Patent Class: A01M1/02; A01M1/106; A01M1/14; A01N25/006; Y02A50/30; Y02A50/371; Y02A50/373

US Class: 1/1; 43/107

Family Information

	Patent Number	Publication Date	Application Number	Application Date
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	CN106132198 B	20201117	CN201580011713	20150119
	EP3099160 A1	20161207	EP20150742813	20150119
	EP3099160 A4	20171108	EP20150742813	20150119
	EP3099160 B1	20220727	EP20150742813	20150119
	ES2927735 T3	20221110	ES20150742813T	20150119
	IL230774 A0	20140930	IL20140230774	20140202
	IN201647029451 A	20161007	IN201647029451	20160830
	IN409614 B	20221028	IN201647029451	20160830
	JP2017505816 T2	20170223	JP20160567173T	20150119
	JP6664335 B2	20200313	JP20160567173T	20150119
	US10765100 BB	20200908	US20150115922	20150119
	US2017164596 AA	20170615	US20150115922	20150119
	WO15114619 A1	20150806	WO2015IL50060	20150119
	ZA201605567 A	20171129	ZA20160005567	20160811

Priority Numbers: IL20140230774 [20140202]; WO2015IL50060 [20150119]; EP20150742813 [20150119]

Probable Patent Assignee: WTO INVESTMENTS LLC

Assignees: WESTHAM LTD; WTO INVEST LLC; MIRI BARAK SIMCHONI; YOSEF SCHLEIN

Non Std Assignees: WTO INVESTMENTS LLC; WTO INVESTMENT LLC; N A

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Non Std Inventors: YOSEF SCHLEIN; MIRI BARAK SIMCHONI

Agent(s): HERRMANN JOHANNA; INDUSTRIAL PROPERTY SERVICES GMBH; JORGE ISERN JARA; MORITA HIROSHI; FLASHPOINT IP LTD; FLASHPOINT IP LTD; MOUALLEM LLM REUVEN K; MOUALLEM REUVEN; FLASHPOINT IP LTD

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

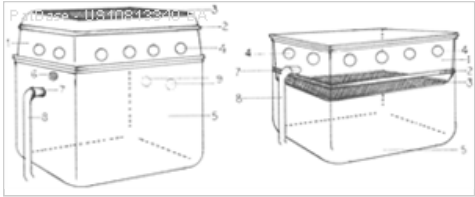


6. Family 81595415 (US10813349 BA)

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Title
[EN] APPARATUS AND METHOD FOR ERADICATING MOSQUITO EGGS

Abstract
[EN] An apparatus for controlling mosquito populations by eradicating mosquito eggs. The apparatus consists of a spawning tank, a multi-purpose spawning tank cover, a confining chamber, a water refilling chamber and a water pump. The apparatus can be set to operate either in automated mode or in manual mode. In the automated operation mode, a timer-controlled water pump transfers mosquito eggs from the spawning tank to the confining chamber where the mosquito eggs are trapped and drowned. In the manual operation mode, the cover of the spawning tank is used as a depressor bowl and the spawning tank functions as a confining chamber. Experimental results show that the mosquito egg eradicating apparatus can effectively eradicate 90 percent of field mosquito eggs in four hours.



International Class: A01M1/02; A01M1/06; A01M1/10
Cooperative Patent Class: A01M1/02; A01M1/06; A01M1/106; Y02A50/30; A01M2200/012

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	US10813349 BA	20201027	US20200915705	20200629
	US10945423 BA	20210316	US20200060863	20201001

Priority Numbers: US20190940636P [20191126]; US20200915705 [20200629]; US20200060863 [20201001]
Probable Patent Assignee: CHENG LOGAN
Assignees: CHENG LOGAN
Inventors: CHENG LOGAN
Agent(s): KNOBBE MARTENS OLSON AND BEAR LLP; KNOBBE MARTENS OLSON AND BEAR LLP

7. Family 33603240 (US2006248782 AA)

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Title

[EN] MOSQUITO BREEDING TRAP AND METHOD FOR ELIMINATING MOSQUITOES

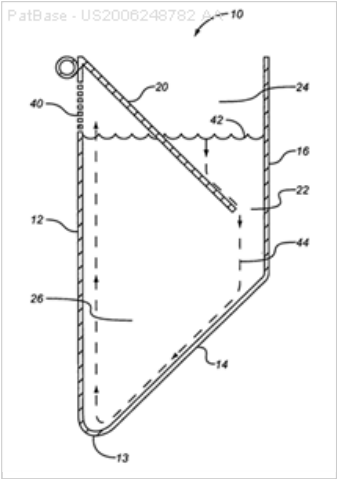
Abstract

[EN] An apparatus is disclosed for mosquitoes and other "biting" insects to lay eggs which become trapped before maturing into adults. The trap comprises a reservoir filled with water and divided into two chambers 24 and 26. One chamber 24 is open to the outside at the surface to allow an accessible breeding area. The other chamber 26 is enclosed. Immature mosquitoes fall or are flushed from the open chamber 24 to the enclosed chamber 26, guided along the way by the sloping bottoms of the chambers 20 and 14. A screen, small holes, or similarly restricted exit 40 between the enclosed chamber 26 and the outside chamber 24 allows excess water to escape while retaining most or all of the trapped mosquitoes.

International Class: A01M1/00; A01M1/02; A01M1/10

Cooperative Patent Class: A01M1/106; Y02A50/30

US Class: 43/107; 43/132.1



Family Information

Patent Number	Publication Date	Application Number	Application Date
US2006248782 AA	20061109	US20060429683	20060508

Priority Numbers: US20050679144P [20050509]; US20060429683 [20060508]

Probable Patent Assignee: MOSQUITO SWALLOW LLC

Assignees: MOSQUITO SWALLOW LLC

Inventors: DANCY BLAIR

Agent(s): HEINZ GRETHER PC

8. Family 49386649 (US2013067795 AA)

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Title
[EN] MOSQUITO TRAP

Abstract
[EN] A mosquito trap includes a container having an open end and a composition positioned in the container. The composition comprises at least one active agent. The mosquito trap also includes an enclosure protruding above the open end of the container. The enclosure includes an opening to access an interior of the enclosure and the open end of the container, and at least one active agent.

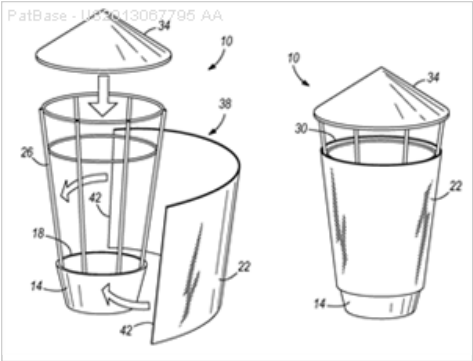
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Cooperative Patent Class: A01M1/106; A01M1/20; A01M1/2016; Y02A50/30; Y02A50/371

US Class: 43/107

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	AU2011210715 AA	20110804	AU20110210715	20110128
	AU2011210715 BB	20160526	AU20110210715	20110128
	BR112012019026 A2	20160614	BR20121119026	20110128
	BR112012019026 B1	20190521	BR20121119026	20110128
	CN102946722 A	20130227	CN201180016247	20110128
	CN102946722 B	20150401	CN201180016247	20110128
	IN06717DN2012 A	20151023	IN2012DN06717	20120731
	MX2012008805 A1	20121129	MX20120008805	20110128
	PE08262013 A1	20130817	PE20120001094	20110128
	PE20130826 A1	20130817	PE20120001094	20110128
	TH122286 A	20130329	TH20121003853	20110128
	US10178860 BB	20190115	US20110575242	20110128
	US2013067795 AA	20130321	US20110575242	20110128
	WO11094581 A1	20110804	WO2011US22978	20110128



Priority Numbers: US20100299838P [20100129]; WO2011US22978 [20110128]; US20110575242 [20110128]

Probable Patent Assignee: UNIV NORTH CAROLINA STATE

Assignees: UNIV NORTH CAROLINA STATE; UNIV TULANE; ADMINISTRATORS OF TULANE EDUCATIONAL FUND; WESSON DAWN; APPERSON CHARLES; PONNUSAMY LOGANATHAN; XU NING; SCHAL COBY; HOFFMANN CHRISTOPHER

Non Std Assignees: THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND; NORTH CAROLINA STATE UNIVERSITY; NORTH CAROLINA STATE UNIV

Inventors: PONNUSAMY LOGANATHAN; XU NING; WESSON DAWN; SCHAL COBY; APPERSON CHARLES; HOFFMANN CHRISTOPHER; LOGANATHAN PONNUSAMY; CHRISTOPHER HOFFMANN; CHARLES APPERSON; DAWN WESSON; NING XU; COBY SCHAL

Agent(s): GRIFFITH HACK; FERNANDO ROSALES VAZQUEZ; MICHAEL BEST AND FRIEDRICH LLP; MICHAEL BEST AND FRIEDRICH LLP; EVANS EDWARD J; MICHAEL BEST AND FRIEDRICH LLP

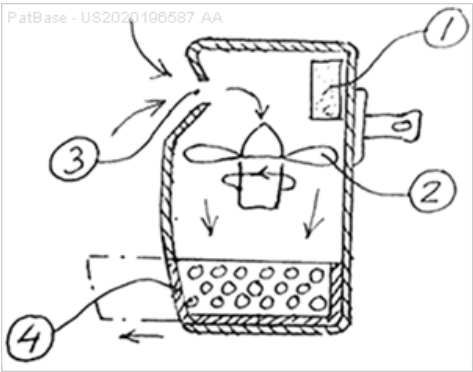
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9. Family 71876489 (US2020196587 AA)

[View in PatBase](#)

Title
[EN] MOSQUITO ATTRACTING DEVICE AND SYSTEM USING THE SAME

Abstract
[EN] Disclosed is a capture device for attracting and trapping mosquitoes comprising a sound emitter, a distress cancelling emitter for use in a mosquito trapping device for minimizing or eliminating distress signals given off by trapped mosquitoes from exiting the device. A system for minimizing mosquito populations and infestation in an area comprising: an apparatus for attracting disease-carrying female gravid mosquitoes that can trap the mosquitoes and capture/destroy the eggs released from such mosquitoes, a capture device that emits a sound that attracts male mosquitoes and a means for instantly killing the captured mosquitoes.



International Class: A01M1/00; A01M1/04; A01M1/22; A01M1/02; A01M1/06; A01M1/10
Cooperative Patent Class: A01M1/02; A01M1/023; A01M1/04; A01M1/06; A01M1/106; A01M2200/012; Y02A50/30

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	AU2018266265 AA	20191205	AU20180266265	20180509
	CA2966262 AA	20181110	CA20172966262	20170510
	CA3062898 AA	20191108	CA20183062898	20180509
	EP3621435 A1	20200318	EP20180798927	20180509
	EP3621435 A4	20210127	EP20180798927	20180509
	US2020196587 AA	20200625	US20180612600	20180509
	WO18205025 A1	20181115	WO2018CA50551	20180509

Priority Numbers: US20170503415P [20170509]; CA20172966262 [20170510]; WO2018CA50551 [20180509]; US20180612600 [20180509]

Probable Patent Assignee: MAXTECH MOSQUITO CONTROL INC

Assignees: MAXTECH MOSQUITO CONTROL INC

Non Std Assignees: SMITH MARK; VASUDEVA KAILASH; VASUDEVA KAILASH C

Inventors: SMITH MARK; VASUDEVA KAILASH; VASUDEVA KAILASH C

Agent(s): SPRUSON AND FERGUSON; SYNERGYIP LTD; GOWLING WLG CANADA LLP; BARTLE READ; BOWN CHRISTOPHER ET AL; GOWLING WLG CANADA LLP

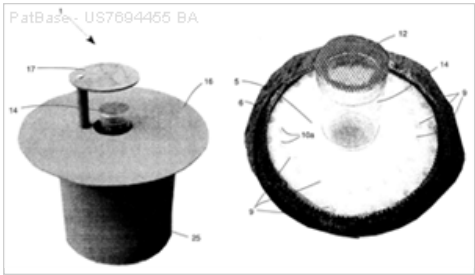
Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG;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

10. Family 44871265 (US7694455 BA)

[View in PatBase](#)

Title
[EN] APPARATUS AND METHOD OF MOSQUITO CONTROL

Abstract
[EN] A mosquito control trap taking advantage of the normal stages of development for a mosquito. The trap including stagnant water trapped within a container by a weeping platform floating on top of the water. A series of holes in the weeping platform provide exposure of the water to form brood cups in which female mosquitoes lay eggs. In order to develop through the larva and pupa stage the developing insects must enter the larger reservoir of stagnant water, since there is insufficient room in the brood cups. However, the holes are too small to permit escape of the adult mosquito, thus preventing any of the eggs from developing. This device provides a means for controlling mosquitoes without the use of pesticides and is especially suitable for use in lesser developing countries.



International Class: A01M1/00; A01M1/10; A01M1/02

Cooperative Patent Class: A01M1/106; Y02A50/30

US Class: 43/107; 43/107P; 43/132.1

Family Information

	Patent Number	Publication Date	Application Number	Application Date
Green	US2010229458 AA	20100916	US20100758440	20100412
Red	US7694455 BA	20100413	US20060643230	20061221
Green	US8109035 BB	20120207	US20100758440	20100412

Priority Numbers: US20050754065P [20051227]; US20060643230 [20061221]; US20100758440 [20100412]

Probable Patent Assignee: WAKE FOREST UNIV HEALTH SCIENCES

Assignees: BOWDEN ROBERT LEE; BOWDEN TIMOTHY EDWARD; UNIV WAKE FOREST HEALTH; UNIV WAKE FOREST HEALTH SCIENCES

Non Std Assignees: WAKE FOREST UNIVERSITY HEALTH SCIENCES; WAKE FOREST UNIV HEALTH SCIENCES

Inventors: BOWDEN ROBERT LEE; BOWDEN TIMOTHY EDWARD

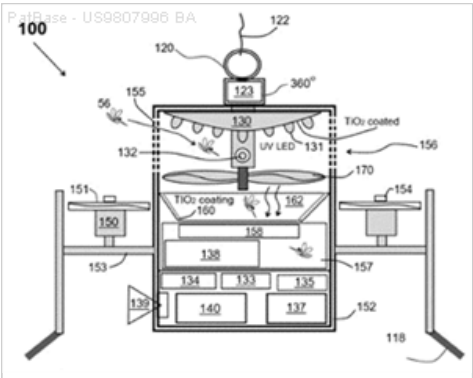
Agent(s): MYERS BIGEL SIBLEY AND SAJOVEC

11. Family 67405327 (US9807996 BA)

[View in PatBase](#)

Title
[EN] BUG EATER

Abstract
[EN] A drone with a high-voltage trap seeks, identifies, pursues and destroys flying insects within a patrolling area. During its passive attracting mode, the drone lands on a designated ground site and attracts insects with light, sound, and scents. Once insects are lured, the high voltage screens trap will immediately electrocute targeted insects. In its active offensive mode, the drone hovers closer to insect nests using its high-velocity propellers, producing strong downdraft jet streams to disturb the nest and force insects, such as mosquitoes and the like, to evacuate their nest. Once insects are airborne, the drone pursues fleeing insects from below or behind, making use of its propellers and vacuuming the fleeing insects. Slow flying insects that come in contact with the high-voltage electrified screens are immediately electrocuted. Insects that are vacuumed into the fast-spinning propellers blades are knocked down and killed. A rectified charging pad recharges the drone batteries.



International Class: A01M1/06; A01M1/08; A01M1/20; A01M1/22; A01M5/00; B64C13/20; B64C27/00; B64C27/08; H05C3/00; B05B12/12; E03C1/05; A01M1/02; A01M1/10; A01M5/02; B64D45/00; G05D1/02; A01M1/04; B64C13/18; B64C39/02; B64D27/24; B64D45/04; B64D47/08; A01M29/16; A62C29/00; A62C3/02; A62C99/00; H04R1/02; H04R1/30; H04R1/40; A47K3/28; B05B1/18; E03C1/02; E03C1/04; F16K31/02; A01M29/00

Cooperative Patent Class: A01M1/023; A01M1/06; A01M1/08; A01M1/106; A01M1/223; A01M29/00; A01M5/02; B64C39/024; B64U10/13; B64U2101/00; B64U2201/10; B64U30/20; Y02A50/30; Y02A20/40; A01M1/02; A01M1/10; A01M1/226; G05D1/102; A47K3/28; B05B1/18; B05B12/122; E03C1/0408; E03C2001/026; F16K31/02; A01M29/16; A62C29/00; A62C3/02; A62C3/0228; A62C99/009; H04R1/028; H04R1/30; H04R1/40; H04R2217/03

US Class: 1/1; 4/612; 43/140

Family Information

Patent Number	Publication Date	Application Number	Application Date
BR112018070032 A2	20190205	BR20181170032	20170519
CN109195865 A	20190111	CN201780033156	20170519
CN109195865 B	20220308	CN201780033156	20170519
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EP3464062 A1	20190410	EP20170807226	20170519
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IN201847036077 A	20181123	IN201847036077	20180925
JP2019517243 T2	20190624	JP20180549260T	20170519
SG11201805859Q A1	20181228	SG20181105859	20170519
SG11201907410R A1	20190927	SG20191107410	20180214
US10501180 BB	20191210	US20180987307	20180523
US10709298 BB	20200714	US20180894936	20180213
US2018077918 AA	20180322	US20170724943	20171004
US2019045980 AA	20190214	US20180894936	20180213
US2019100311 AA	20190404	US20180987307	20180523
US9807996 BA	20171107	US20160269173	20160919
US9999213 BB	20180619	US20170724943	20171004
WO17209974 A1	20171207	WO2017US33433	20170519
WO18182944 A1	20181004	WO2018US21543	20180308
WO18224890 A2	20181213	WO2018IB01004	20180214
WO18224890 A3	20190321	WO2018IB01004	20180214

Priority Numbers: US20160392341P [20160528]; US20160269173 [20160919]; WO2017US33433 [20170519]; US20180894936 [20180213]; WO2018IB01004 [20180214]; US20170601652P [20170325]; US20170724943 [20171004]; WO2018US21543

[20180308]; US20180761526P [20180327]; US20180987307 [20180523]; US20170600151P [20170213]; US20170601652P [20170213]

Probable Patent Assignee: SIMON SIU CHI YU

Assignees: SIMON SIU CHI YU; YU SIMON SIU CHI; CHANG HUEI MENG; CHANG HUEI; YU SMON SU CH

Inventors: SIMON SIU CHI YU; YU SIMON SIU CHI; CHANG HUEI MENG; CHANG HUEI; YU SIMON; YU SMON SU CH

Agent(s): MEWBURN ELLIS LLP; MOULTON ESQ LYMAN; MOULTON PATENTS PLLC; MOULTON PATENTS PLLC; LYMAN

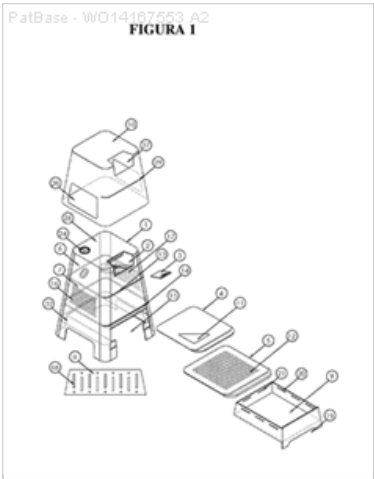
Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG;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

12. Family 57586853 (WO14167553 A2)

[View in PatBase](#)

Title
[EN] TRAP FOR CAPTURING AND MONITORING AEDES AEGYPTI

Abstract
[EN] The present invention relates to a trap designed for capturing the Aedes aegypti mosquito. Said trap uses visual and chemical stimuli as an attraction mechanism, the visual stimuli being provided by two contrasting colours: red in the body of the trap (1) and black in the entrance to the trap (2). The trap consists of a frusto-pyramidal body having a square base (1) made of translucent polymethyl methacrylate, which has an opening in the apical lateral area where the entrance for the mosquitoes (2) is located. Said opening (2) leads into the trap via the curved shape (22) and angle of inclination thereof, which restrict the entry of light. Internally, the trap (1) comprises two compartments (6, 7), the first (6) of which serves as a transition area and the second (7) as an area for capturing and confusing the mosquitoes. A vertical wall (8), having grooves (18) and located in the second compartment (7), serves as a disorienting element relative to light that enters through the openings (16, 17), as well as the moisture and volatile compounds emitted by the bait disposed in the container (9) located in the area immediately below the second compartment (7). Overall, the trap of the present invention comprises a plurality of elements that improve the capture of the mosquito given the internal features thereof. The trap has a resilient red cover (10) that contrasts with the black colour of the entrance and stands out against the background.



International Class: A01M1/00; A01M5/02; A61P31/12; A01M1/10
Cooperative Patent Class: A01M1/02; A01M1/04; A01M1/106; A61P31/12; Y02A50/30

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	CO7090247 A1	20141021	CO20130095397	20130412
	WO14167553 A2	20141016	WO2014IB60670	20140412
	WO14167553 A3	20150312	WO2014IB60670	20140412

Priority Numbers: CO20130095397 [20130412]
Probable Patent Assignee: UNIV IND DE SANTANDER
Assignees: UNIV IND DE SANTANDER
Non Std Assignees: UNIVERSIDAD INDUSTRIAL DE SANTANDER
Inventors: DUQUE LUNA JHONY EDWARD; PENA TORRES JESSICA; PARRA MORENO HECTOR JULIO; NAVARRO ARANDA MONICA; DUQUE LUNA JHONNY EDWARD
Non Std Inventors: JONNY EDWARD DUQUE LUNA; JESSICA PENA TORRES; HECTOR JULIO PARRA MORENO; MONICA NAVARRO ARANDA
Agent(s): CARLOS R OLARTE GARCIA; OLARTE CARLOS R

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

13. Family 64544079 (US2017000101 AA)

[View in PatBase](#)

Title

[EN] COLLAPSIBLE STACKABLE DISPOSABLE INEXPENSIVE PESTICIDE FREE TRAPS AND ATTRACTANT FOR SURVEILLANCE AND CONTROL OF AEDES CONTAINER BREEDING MOSQUITOS AND OTHER CONTAINER BREEDING INSECTS

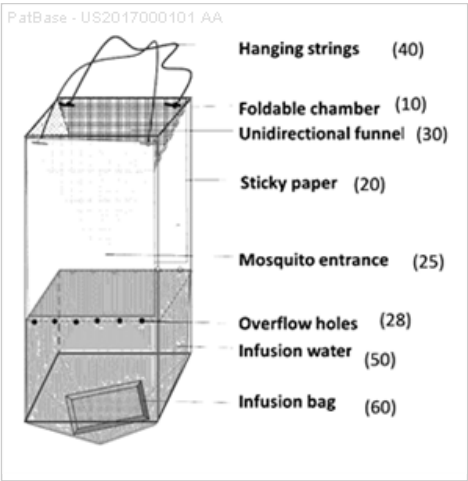
Abstract

[EN] An inexpensive, biodegradable, easily transportable mosquito trap and improved attractant formulation and apparatus are provided.

International Class: A01M1/02; A01M1/16; B01F3/04

Cooperative Patent Class: A01M1/02; A01M1/106; A01M1/14; A01M1/165; Y02A50/30

US Class: 1/1; 43/115



Family Information

	Patent Number	Publication Date	Application Number	Application Date
	US10506804 BB	20191217	US20160202564	20160705
	US2017000101 AA	20170105	US20160202564	20160705

Priority Numbers: US20150188271P [20150702]; US20160202564 [20160705]

Probable Patent Assignee: RUTGERS STATE UNIV OF NEW JERSEY

Assignees: UNIV RUTGERS

Non Std Assignees: RUTGERS STATE UNIV OF NEW JERSEY

Inventors: GAUGLER RANDY; WANG YI; CHANDEL KSHITIJ; SUMAN DEVI S

Agent(s): HOWSON AND HOWSON LLP; HOWSON AND HOWSON LLP; RIGAUT KATHLEEN D

14. Family 28021242 (WO03007710 A1)

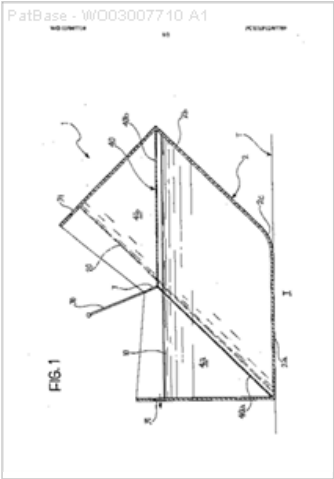
[View in PatBase](#)

Title
[EN] A DEVICE FOR INHIBITING THE PROLIFERATION OF INSECTS, IN PARTICULAR MOSQUITOES

Abstract
[EN] A device for inhibiting the proliferation of insects, in particular mosquitoes, includes a container (1) for containing a liquid, and a filtering surface (40) which can be placed in two alternative operating positions with respect to the surface of the liquid (10; 20): an immersed position, in which at least one portion (40a; 40b) of the filtering surface is immersed so as to allow insects to lay their eggs on the surface (10; 20) of the liquid, and a raised position, in which at least the one portion of filtering surface (40a; 40b) is raised above the surface (10; 20) of the liquid, thereby removing any larvae that were in the liquid between the surface (10; 20) thereof and the filtering surface (40a; 40b) when this was in the first position.

International Class: A01M1/02; A01M1/10; A01M1/12; A01M1/00

Cooperative Patent Class: A01M1/02; A01M1/106; A01M1/12; A01M2200/012; Y02A50/30



Family Information

Patent Number	Publication Date	Application Number	Application Date
AU2002331250 AA	20030303	AU20020331250	20020712
ITTO20010696 A0	20010716	IT2001TO00696	20010716
ITTO20010696 A1	20030116	IT2001TO00696	20010716
WO03007710 A1	20030130	WO2002EP07789	20020712

Priority Numbers: IT2001TO00696 [20010716]; WO2002EP07789 [20020712]

Probable Patent Assignee: COSTANTINO GIOVANNI BATTISTA

Assignees: COSTANTINO GIOVANNI BATTISTA

Inventors: COSTANTINO GIOVANNI BATTISTA

Designated States: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BE; BF; BG; BJ; BR; BY; BZ; CA; CF; CG; CH; CI; CM; CN; CO; CR; CU; CY; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GW; HR; HU; ID; IE; IL; IN; IS; IT; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MC; MD; MG; MK; ML; MN; MR; MW; MX; MZ; NE; NL; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; SN; SZ; TD; TG; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW

15. Family 55003469 (US2013276355 AA)

[View in PatBase](#)

Title
[EN] DUAL ACTION LETHAL CONTAINERS, SYSTEMS, METHODS AND COMPOSITIONS FOR KILLING ADULT MOSQUITOS AND LARVAE

Abstract
[EN] Dual action lethal containers, systems, methods, compositions and formulas used to kill mosquitoes and their larvae. The containers can have separate interior larvicidal and adulticidal coatings separated from each other by horizontal water line holes in the container. Another container can use a novel combined coating of a larvicidal and adulticidal coating. Unique compositions of adulticidal coatings, larvicidal coatings and combined adulticidal and larvicidal coatings can be used as liners.

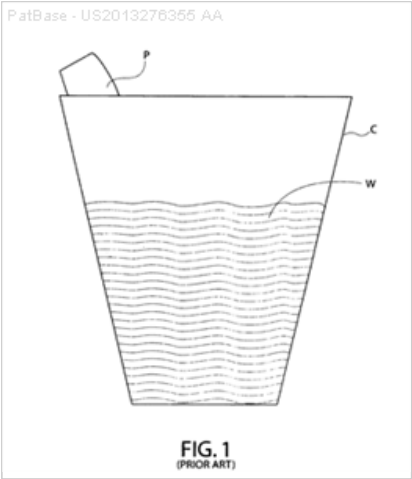
International Class: A01C1/08; A01G7/06; A01G9/02; A01N63/23; A01M1/02; A01M1/20; A01M1/10; A01M1/04; A01N43/22; A01N43/40; A01N47/22; A01N49/00; A01N53/00; A01N57/16; A01N63/00; A01N25/08; A01N25/10; A01N25/34; A01M; A01N37/38; A01M25/00; A01N31/14; A01N37/06; A01N43/30; A01N43/38; A01N47/18

Cooperative Patent Class: A01M1/04; A01M1/106; A01M1/20; A01M1/2005; A01M1/2011; A01M1/2016; A01N37/38; A01N43/22; A01N43/40; A01N47/22; A01N49/00; A01N53/00; A01N57/16; A01N63/23; Y02A50/30; A01M1/02; A01M25/00; A01N25/08; A01N31/14; A01N37/06; A01N43/30; A01N43/38; A01N47/18; A01M1/2055; A01N25/10; A01N25/34; A01N63/02; A01M1/10; A01N37/32

US Class: 1/1; 424/411; 424/93.461; 427/230; 43/107; 43/131; 43/132.1; 514/345; 514/531; 514/86; 514/89

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	AU2013249080 AA	20141030	AU20130249080	20130419
	AU2013249080 BB	20170406	AU20130249080	20130419
	AU2014249037 AA	20150709	AU20140249037	20140311
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	US2017105402 AA	20170420	US20160367874	20161202
	US2017142955 AA	20170525	US20160382072	20161216
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Priority Numbers: US20120635497P [20120419]; US20130777766P [20130312]; US20130866656 [20130419]; WO2013US37422 [20130419]; US20140204524 [20140311]; WO2014US23478 [20140311]; AU20140249037 [20140311]; AU20160203144 [20160513]; BR20151121101 [20140311]; EP20130778229 [20130419]; EP20140779603 [20140311]; US20160367874 [20161202]; WO2017US64187 [20171201]; US20150881509 [20151013]; US20160048604 [20160219]; US20160382072 [20161216]; US20170465732 [20171201]

Probable Patent Assignee: OF FLORIDA RESEARCH FOUNDATION INC UNIV

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

16. Family 32024889 (US2006236591 AA)

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Title

[EN] TRAP FOR CATCHING WOODLAND, GARDEN AND AGRICULTURAL INSECT PESTS AND METHOD FOR TRAPPING AND STORING WOODLAND, GARDEN AND AGRICULTURAL INSECT PESTS

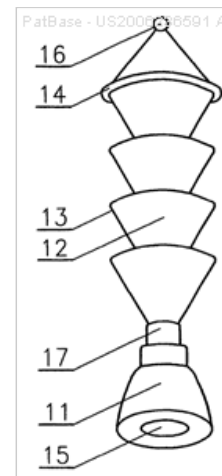
Abstract

[EN] A trap for catching woodland, garden, and agricultural insect pests, consisting of a catching part (37) with an outlet opening, and a container (31) for storing caught pests, has a device for separating the captured pests from water and small debris. The device for separating the captured pests from water and small debris is placed between the outlet opening of the catching part and the container. The device for separating the caught pests from water and small debris has a shape of a funnel (135) having a funnel inlet covered up by a mesh (32) and an funnel outlet (36) situated outside of the container (31) for storing the caught pests. The funnel inlet is placed below the outlet opening of the catching part (37).

International Class: A01M1/00; A01M1/02; A01M1/10; A01M1/20; A01M5/00

Cooperative Patent Class: A01M1/02; A01M1/103; A01M2200/011

US Class: 43/107; 43/107P; 43/122



Family Information

	Patent Number	Publication Date	Application Number	Application Date
	AT488136 E	20101215	AT20040748884T	20040730
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	AU2004261140 BB	20100603	AU20040261140	20040730
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	PL361513 A1	20050207	PL20030361513	20030731
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	US2010139151 AA	20100610	US20100688507	20100115
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	WO05011374 A1	20050210	WO2004PL00060	20040730
	WO05011374 C1	20060914	WO2004PL00060	20040730

Priority Numbers: PL20030361513 [20030731]; PL20040369216 [20040722]; WO2004PL00060 [20040730]; EP20040748884 [20040730]; PL20030361513 [20030801]; US20040566449 [20040730]; US20060566449 [20060127]; US20100688507 [20100115]

Probable Patent Assignee: BASF SE

Assignees: BASF SE; CWIKLINSKI LESZEK; BARCZYK ANDRZEJ; BASF AG; WIKLI; BASF CORP

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Inventors: CWIKLINSKI LESZEK; BARCZYK ANDRZEJ; LESZEK CWIKLINSKI; ANDRZEJ BARCZYK; ANDRZEJ CWIKLINSKI LESZEK BARC; WIKLI; ZWIKLINSKI LESZEK; BARCHIK ANDRZEI

Non Std Inventors: CWIKLINSKI LESZEK BARCZYK ANDRZEJ; Ć"WIKLIŃ"SKI LESZEK; ĆWIKLIŃSKI LESZEK

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Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; AL; HR; LT; LV; MK; AE; AG; AM; AU; AZ; BA; BB; BF; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GW; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; MA; MD; MG; ML; MN; MR; MW; MX; MZ; NA; NE; NI; NO; NZ; OM; PG; PH; RU; SC; SD; SG; SL; SN; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW

17. Family 52405604 (US2013303574 AA)

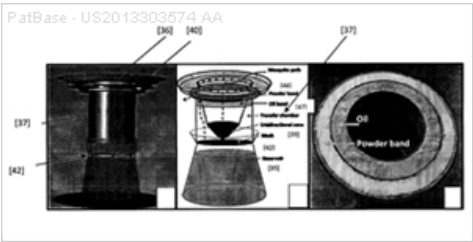
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Title

[EN] AUTODISSEMINATION OF AN INSECT-GROWTH REGULATOR FOR INSECT MANAGEMENT

Abstract

[EN] The described invention provides a gel formulation of a composition comprising at least one insecticide in an amount effective to control an insect larval population, an apparatus for autodissemination of an insecticide for insect management containing (1) a cap component, (2) a cup component, and (3) a mesh component, a method and a system for autodissemination for effectively controlling an insect larval population. Also disclosed is an improved biphasic autodissemination station for control of undesirable insect populations.



International Class: A01M1/02; A01M1/20; A01N25/00; A01N25/04; A01N25/24; A01N43/40

Cooperative Patent Class: A01M1/02; A01M1/20; A01M1/2005; A01M1/2011; A01M1/2016; A01M2200/011; A01M2200/012; A01N25/00; A01N25/04; A01N25/24; A01N43/40

US Class: 1/1; 43/131; 43/132.1; 514/345

Family Information

Patent Number	Publication Date	Application Number	Application Date
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US2013303574 AA	20131114	US20130863359	20130415
US2016242403 AA	20160825	US20160050439	20160222
US9265247 BB	20160223	US20130863359	20130415
WO12158192 A1	20121122	WO2011US56106	20111013

Priority Numbers: US20100393681P [20101015]; US20110490449P [20110526]; US20130863359 [20130415]; US20160050439 [20160222]; WO2011US56106 [20111013]

Probable Patent Assignee: RUTGERS STATE UNIV OF NEW JERSEY

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Non Std Assignees: NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT; RUTGERS THE STATE UNIVERSITY OF NEW JERSEY

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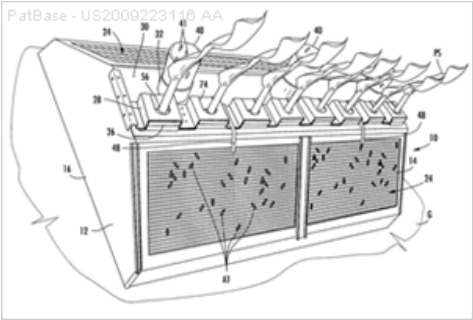
Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CY; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IS; IT; JP; KE; KG; KM; KN; KP; KR; KZ; 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; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; 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

18. Family 43706814 (US2009223116 AA)

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Title
[EN] APPARATUSES FOR CAPTURING INSECTS AND RELATED METHODS

Abstract
[EN] The presently disclosed subject matter provides an apparatus for trapping insects for purposes of monitoring insect load and in some cases studying the captured insects, and methods for using the same. Specifically, the present disclosure relates to an apparatus for trapping insects once they emerge from the soil, such as corn rootworm beetles and related insects, and methods for assembling and using the same. The apparatus comprises a frame having an open bottom and a removable top panel having at least one plant slot configured to receive a plant and a capture chamber opening configured to receive a capture chamber; a flexible sealing structure configured to seal the plant slot on the top panel; and a securing mechanism configured to secure the flexible sealing structure such that a seal is created about the plant to prevent the egress of the insects about the plant.



International Class: A01M1/10; A01M1/02; A01K29/00; A01M1/00; A01M

Cooperative Patent Class: A01M1/026; A01M2200/012

US Class: 1/1; 119/6.5; 43/107; 43/118; 43/121; 43/122

Family Information

	Patent Number	Publication Date	Application Number	Application Date
Green	BRPI0909107 A2	20190226	BR2009PI09107	20090218
Red	CA2716629 AA	20100823	CA20092716629	20090218
Red	CA2716629 C	20130618	CA20092716629	20090218
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Red	CN101977497 B	20121107	CN200980109837	20090218
Green	IN01772MN2010 A	20110114	IN2010MN01772	20100820
Green	MX2010009579 A1	20100924	MX20100009579	20090218
Green	MX334619 B	20151106	MX20100009579	20090218
Green	US2009223116 AA	20090910	US20090392365	20090225
Green	US9044001 BB	20150602	US20090392365	20090225
Red	WO09111160 A1	20090911	WO2009US34341	20090218
Green	ZA201005821 A	20110525	ZA20100005821	20100816

Priority Numbers: US20080068040P [20080304]; WO2009US34341 [20090218]; US20090392365 [20090225]

Probable Patent Assignee: SYNGENTA AG

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Non Std Assignees: SYNGENTA PATICIPATIONS AG

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Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BR; BW; BY; BZ; CA; CF; CG; CH; CI; 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; 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; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

19. Family 44993355 (US2011308138 AA)

[View in PatBase](#)

Title
[EN] METHOD FOR THE ERADICATION OF PATHOGENIC MICROORGANISMS IN AN AQUEOUS SYSTEM

Abstract
[EN] The invention relates to a method for the eradication and killing of microorganisms from among insects and worms in an aqueous system, especially for the control and eradication of the larvae. A sustained reduction or killing of the larvae is achieved by a two-step method in which insecticides and a zooplankton community are used as biological agents, The insecticides specifically kill the larvae present in the aqueous system. The biological agents, which according to the invention preferably comprise competitors for food of the above microorganisms/larvae, prevent repopulation. The combined use of insecticidal and biological treatment in aqueous systems allows an efficient and permanent eradication.

International Class: A01N47/40; A01N51/00; A01N63/10; A01P7/04; A01P15/00; A01N63/00; A01M1/20

Cooperative Patent Class: A01N63/10; A01L63/00; A01N2300/00; A01N36/00; A01N47/40; A01N51/00

US Class: 43/124; 43/132.1; 43/132.100P

Family Information

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	DE102008043715 A1	20100520	DE200810043715	20081113
	DE502009012823 D1	20160818	DE200950012823T	20091112
	EP2364091 A1	20110914	EP20090774852	20091112
	EP2364091 B1	20160713	EP20090774852	20091112
	ES2599204 T3	20170131	ES20090774852T	20091112
	US2011308138 AA	20111222	US20090129147	20091112
	US8915013 BB	20141223	US20090129147	20091112
	WO10055080 A1	20100520	WO2009EP65025	20091112

Priority Numbers: DE200810043715 [20081113]; WO2009EP65025 [20091112]; EP20090774852 [20091112]

Probable Patent Assignee: HELMHOLTZ ZENTRUM FUR UMWELTFORSCHUNG GMBH

Assignees: HELMHOLTZ ZENTRUM FUER UMWELTFORSCHUNG GMBH UFZ; HELMHOLTZ ZENTRUM F UMWELTFORSCHUNG GMBH UFZ; LIESS MATTHIAS; DUQUESNE SABINE; HELMHOLTZ ZENTRUM UMWELTFORSCH; HELMHOLTZ ZENT UMWELTFORSCHUNG; HELMHOLTZ ZENTRUM FUR UMWELTFORSCHUNG GMBH; HELMHOLTZ ZENTRUM FUER UMWELTF

Inventors: DUQUESNE SABINE; LIESS MATTHIAS

Agent(s): MARKS AND CLERK; GULDE AND PARTNER PATENT U RECHTSANWALTSKANZLEI MBB; GULDE HENGELHAUPT ZIEBIG AND SCHNEIDER; GULDE AND PARTNER; IZQUIERDO MARIA ALICIA; KENT H; VLP LAW GROUP LLP

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

20. Family 51782487 (US2014223802 AA)

[View in PatBase](#)

Title

[EN] METHODS AND APPARATUS FOR SURVEILLANCE AND CONTROL OF INSECT VECTORS

Abstract

[EN] Improved devices for the capture, detection, or quantification of insect vectors such as gravid female insects, are provided. The devices include surface coloration, design, and dimension that improved their ability to attract and/or capture target insect vectors. The traps are used in process for detection or control of insect vectors in indoor and outdoor environments.

International Class: A01H5/00; C12N15/82; A01M1/00; A01M1/02; A01M1/04; A01M1/10; A01M1/14

Cooperative Patent Class: A01M1/00; A01M1/02; A01M1/026; A01M1/04; A01M1/10; A01M1/106; A01M1/14; A01M1/023; A01M1/145; C12N15/82

US Class: 1/1; 119/6.6; 43/107

Family Information

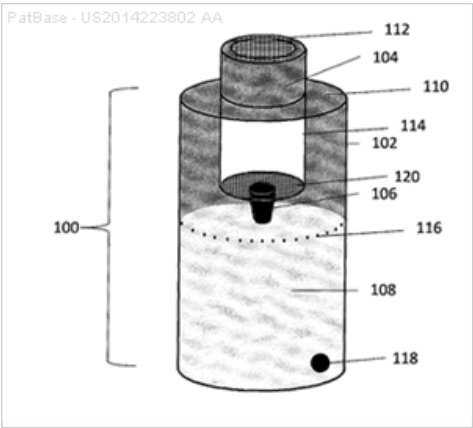
Patent Number	Publication Date	Application Number	Application Date
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AU2012217569 BB	20160128	AU20120217569	20120216
AU2012217569 CA	20160901	AU20120217569	20120216
BR112013007511 A2	20210302	BR20131107511	20120216
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IN355773 B	20210115	IN2013DN02578	20130321
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MX364909 B	20190510	MX20170000547	20120216
US10219505 BB	20190305	US20150965230	20151210
US2014223802 AA	20140814	US20120822598	20120216
US2016128313 AA	20160512	US20150965230	20151210
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US9237741 BB	20160119	US20120822598	20120216
WO12112785 A2	20120823	WO2012US25462	20120216
WO12112785 A3	20130131	WO2012US25462	20120216

Priority Numbers: US20110443588P [20110216]; WO2012US25462 [20120216]; US20150965230 [20151210]; US20130822598 [20130312]; US20120822598 [20120216]

Probable Patent Assignee: REPRESENTED BY SECRETARY OF DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND PREVENTION AS US GOV

Assignees: GOVT OF THE USA AS REP BY THE SEC Y; GOVT OF USA REP BY SEC Y DEPT OF HLTH AND HUM N SRVCS CTRS FOR DISEASE CTRL AND PRVN AS; GOVT OF USA REP BY SEC Y AS; US GOV HEALTH AND HUMAN SERV; GOVT OF USA REP BY SECY AS; GOVERNMENT OF US SEC DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEAS; US GOVERNMENT; GOVERNMENT OF US SECRETARY DEPT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND; GOVERNMENT OF US SEC DEP OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTR; US HEALTH; MACKAY ANDREW J; AMADOR MANUEL; BARRERA ROBERTO; CT S FOR DISEASE CONTROL AND PREVENTION; CENTERS DISEASE CONTROL AND PREVENTION; US SEC DEP OF HEALTH AND HUMAN SERVICES; GOVT OF THE USA AS REP BY THE SEC Y DEPT OF HLTH AND HUM N SRVCS CTRS FOR DISEASE CTRL AND PRVN

Non Std Assignees: THE GOVT OF THE USA AS REP BY THE SEC Y; REPRESENTED BY SECRETARY OF DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND PREVENTION AS US GOV; GOVT OF USA REP BY SECY DEPT OF HLTH AND HUMN SRVCS CTRS FOR DISEASE CTRL AND PRVN AS; REPRESENTED BY SEC DEP OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROLAND PREVENTION AS US GOV; REPRESENTED BY SEC DEP OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND PREVENTION AS US GOV; SEC DEP OF HEALTH AND HUMAN SERVICES AS US GOV; CENTERS FOR DISEASE CONTROL AND PREVENTION; SECRETARY DEPT OF HEALTH AND HUMAN SERVICES AS US GOV; THE GOVT OF THE USA AS REP BY THE SEC Y DEPT OFHLTH AND HUM N SRVCS CTRS FOR DISEASE CTRL AND PRVN; THE GOVT OF THE USA AS REP BY THE SEC Y



DEPT OF HLTH AND HUM N SRVCS CTRS FOR DISEASE CTRL AND PRVN; GOVT OF USA REP BY SEC Y DEPT OF HLTH AND HUM N SRVCS CTRS FOR DISEASE CTRL AND PRVN AS

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