

Search history

Search 1: FT=(trap* and insect* and motor* and fan* and light* and mesh* and battery*) (Results 396)
Search 2: (1) AND IPC=(A01) (Results 100)

1) Family number: 69563031 (US2018116131A)

© PatBase

Title: CANNABIS FARMING SYSTEMS AND METHODS

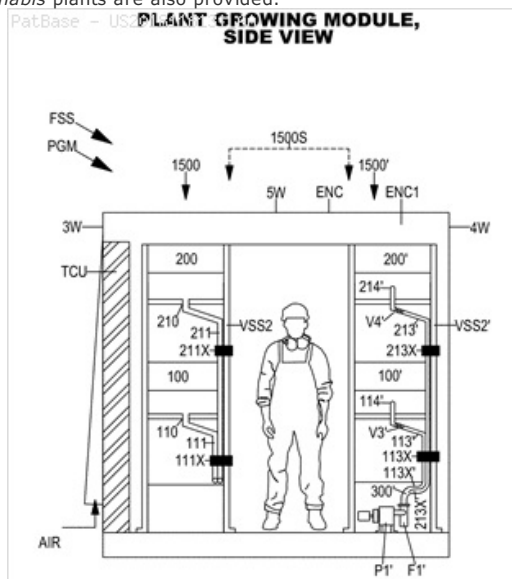
Abstract: Variable-scale, modular, easily manufacturable, energy efficient, reliable, and computer-operated farming superstructure systems (FSS) may be used to produce *cannabis* for human consumption with minimal water and environmental impact. A system for producing electricity, heat, and *cannabis* includes a power production system (PPS), a farming superstructure system (FSS), and a temperature control unit (TCU). Methods to method to separate volatiles from *cannabis* are described. Methods to asexually clone a plurality of *cannabis* plants are also provided.

Classifications:

International (IPC 8-9): A01C23/00 A01C23/04 A01G1/00 A01G2/10 A01G22/00 A01G22/15 A01G24/25 A01G25/00 A01G25/16 A01G27/00 A01G3/00 A01G3/08 A01G31/00 A01G31/02 A01G7/02 A01G7/04 A01G9/02 A01G9/10 A01G9/14 A01G9/18 A01G9/20 A01G9/24 A01G9/26 A01H5/02 A01H5/06 A01H5/12 A01H6/28 A01K67/033 A21D13/04 A21D13/40 A23B7/153 A23G9/32 A23L29/00 A23L5/20 A23L7/126 A23N15/00 A61K36/185 B01D11/02 B26D3/00 C05B17/00 C05C11/00 C05D1/00 C05D3/00 C05D5/00 C05D9/00 C05G1/00 F02C3/04 F25B13/00 H02K7/18 H05B33/08 H05B37/02 (Advanced/Invention); A01G24/00 A01G24/18 A01G24/23 A01G24/48 A01G7/02 A01G7/04 (Advanced/Non-invention)

CPC: A01G7/02 A01G9/246 A01G9/20 A01G27/006 H02K7/1823 A01G31/02 A01G2031/006 A01G1/001 A01G9/1066 C05G1/00 C05B17/00 C05C11/00 C05D1/00 C05D3/00 C05D5/00 C05D9/00 B01D11/0288 F02C3/04 A23N15/00 F25B13/00 B26D3/00 F05D2220/76 B01D11/0296 A23L5/23 A23B7/153 A01G9/1033 A01H5/12 A01G24/23 A23V2002/00 A01G31/06 A01G24/00 A01G24/18 A01G24/48 A01G22/00 A01G9/0297 A01G9/02 A01G25/00 A01G9/14 A01G3/08 A01G31/001 A01G25/16 A01H5/02 A21D13/40 A23G9/32 A23L7/126 A23L29/00 A01G2031/005 A01G2031/003 A01G9/247 A01G9/26 F25B1/00 F25B15/04 F25B15/06 F25B27/02 A01G7/04 A21D13/04 B01D9/0054 B01D11/0203 B01D11/0207 B01D11/0226 B01D11/0257 B01D11/0284 A23L29/20 A23L33/105 A23L33/135 A23L7/10 A01H6/28 H05B33/0857 H05B37/0218 H05B37/0281 A21D2/34 A21D2/36 A01H5/10 A61K36/185 A61K2236/00 A01G9/249 A01G24/30 A01G24/40 A01G2/10 A01G9/18 A01G7/045 A01C23/042 A01G22/15 A01K67/0339 A01H5/06 A01K2207/20 A01G24/25 A61K2236/11 A61K2236/33 A61K2236/37 A01K2227/706

US: 426/481 47/17 47/62A 47/66.6 800/298



Family:

Publication number	Publication date	Application number	Application date
US2018116131 AA	20180503	US20170841923	20171214
US2018332786 AA	20181122	US20170600714	20170520
US2018343806 AA	20181206	US20170609472	20170531
US2018343812 AA	20181206	US20180029627	20180708
US2018343900 AA	20181206	US20170784112	20171014
US2018343901 AA	20181206	US20180904044	20180223
US2019000029 AA	20190103	US20170639437	20170630
US2019037792 AA	20190207	US20170667022	20170802
US2019246591 AA	20190815	US20190396134	20190426

Priority:

US20170600714 20170520	US20170609472 20170531	US20170639437 20170630
US20170667022 20170802	US20170784112 20171014	US20170841923 20171214
US20180904044 20180223	US20180029627 20180708	US20190396134 20190426

Probable Assignee: INSECTERGY LLC

Assignee(s): (std): FREITAS SHAWN ROBERT ; INSECTERGY LLC ; LEO DANIEL MICHAEL

Inventor(s): (std): FREITAS SHAWN ROBERT ; LEO DANIEL MICHAEL

2) Family number: 41121057 (US2009277074A)

© PatBase

Title: AN IMPROVED APPARATUS FOR ATTRACTING, TRAPPING, DAMAGING INSTANTLY AND KILLING OF INSECTS

Abstract: Multipurpose apparatus capable of attracting, trapping, damaging instantly and subsequent killing of insects including mosquitoes which comprises of a supporting cylindrical body (3) with open ends, the body provided with a removable cover (1) on open top end (2) fixed with supporting legs (12) leaving sufficient gap between cover and body,

having a UV lamp (6) with a protective safety cover (4) fitted internally below top open end and a removable insect collecting part (8) installed at other end, UV lamp is closely enclosed with a heat conducting wire mesh (5) which further extends horizontally to entire diameter of axial fan's opening, an axial fan (7) is fitted above the protective wire mesh guard (17) and beneath UV lamp and heat conducting wire mesh (5).

Classifications:

International (IPC 8-9): A01M1/08 (Advanced/Invention);
A01M1/08 (Core/Invention)

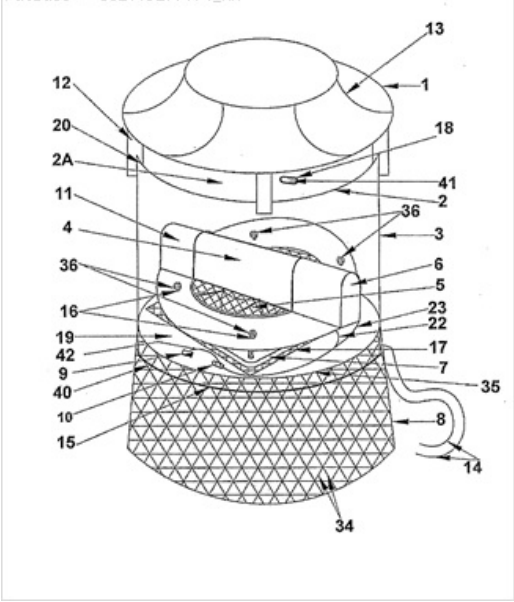
International (IPC 1-7): A01M1/00

CPC: A01M1/08 A01M1/2094

European: A01M1/08 A01M1/20D

US: 43/113 43/118

PatBase - US2009277074_AA



Family:

Publication number	Publication date	Application number	Application date
IN01275CH2006 A	20070330	IN2006CH01275	20060721
IN240728 B	20100604	IN2006CH01275	20060721
US2009277074 AA	20091112	US20070374435	20070711
WO08010232 A1	20080124	WO2007IN00285	20070711

Priority:

IN2006CH01275 20060721 IN2006CH02452 20061229 WO2007IN00285 20070711

Probable Assignee: NORONHA IGNATIUS ORWIN

Assignee(s): (std): NORONHA IGNATIUS ORWIN

Assignee(s): INGNATIUS ORWIN NORONHA

Inventor(s): (std): NORONHA IGNATIUS ORWIN

Inventor(s): INGNATIUS ORWIN NORONHA

Agent(s): PORTER WRIGHT MORRIS AND ARTHUR LLP INTELLECTUAL PROPERTY GROUP

Designated states: AE AG AL AM 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

3) Family number: 40991061 (US2008178819A)

© PatBase

Title: SWIFTLETS FARMING FOR PRODUCTION OF EDIBLE BIRD'S NESTS

Abstract: A swiftlet breeding facility, for use in creating and harvesting edible bird's nests. The facility includes sub-systems for injecting live insect and worm prey, and water, into an aerial enclosure to provide a feeding system imitative of a natural swiftlet feeding environment.

Classifications:

International (IPC 8-9): A01K1/00 A01K31/00 A01K31/06

A01K31/12 A01K31/14 A01K31/16 A01K31/18 A01K31/22

A01K39/04 F24F5/00 F24F6/00 (Advanced/Invention);

E04B1/00 (Advanced/Non-invention);

A01K1/00 A01K31/00 (Core/Invention);

E04B1/00 (Core/Non-invention)

International (IPC 1-7): A01K1/00 A01K31/00

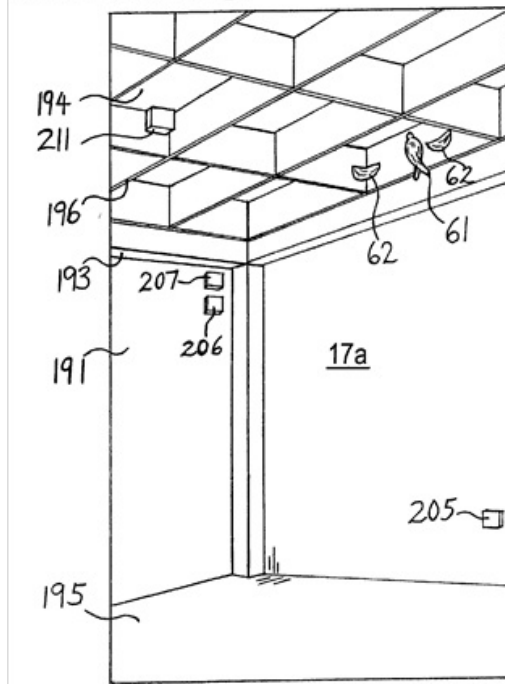
CPC: A01K39/04 A01K31/18 A01K31/00 A01K31/06 A01K31/22

A01K31/14 Y02P60/521

European: A01K31/00 A01K31/06 A01K31/14 A01K31/22

US: 1/1 119/300 119/346 119/436 119/436S 119/437 119/448

119/448S 119/449 119/531 119/531S 52/741.1 52/741.100S

**Family:**

Publication number	Publication date	Application number	Application date
MY167009 A	20180731	MY20100005762	20101203
SG136025 A1	20071029	SG20060082499	20061201
SG152946 A1	20090629	SG20070181126	20071123
SG171554 A1	20110629	SG20100008551	20101122
SG171554 A1	20110629	SG20100085512	20101122
TH115495 A	20120731	TH20101001844	20101203
US2008178819 AA	20080731	US20070949695	20071203
US2010139572 AA	20100610	US20090630309	20091203
US2012048205 AA	20120301	US20110218197	20110825
US2012255501 AA	20121011	US20120526929	20120619
US2014230744 AA	20140821	US20140179985	20140213
US2014318468 AA	20141030	US20140328285	20140710
US2015296749 AA	20151022	US20150755493	20150630
US2018098527 AA	20180412	US20170838555	20171212
US2018325084 AA	20181115	US20180973850	20180508
US2019090460 AA	20190328	US20180140975	20180925
US8205577 BB	20120626	US20090630309	20091203
US8210126 BB	20120703	US20070949695	20071203
US8651061 BB	20140218	US20120526929	20120619
US9066501 BB	20150630	US20140179985	20140213
US9839201 BB	20171212	US20150755493	20150630
US10080350 BB	20180925	US20170838555	20171212

Priority:

SG20060008249 20060313	SG20060008249 20061201	SG20060082499 20061201
SG20070181126 20071123	SG20070018112 20071123	US20070949695 20071203
US20090630309 20091203	US20110218197 20110825	US20120526929 20120619
US20140179985 20140213	US20140328285 20140710	US20150755493 20150630
US20170838555 20171212	US20180973850 20180508	US20180140975 20180925

Probable Assignee: SIA YIK HEI**Assignee(s):** (std): SIA YIK HEI ; TAN JEE HONG**Inventor(s):** (std): TAN JEE HONG ; SIA YIK HEI ; HONG TAN JEE ; HEI SIA YIK**Agent(s):** CROCKETT AND CROCKETT; CROCKETT AND CROCKETT PC; NIKY ECONOMY; K DAVID; NIKY ECONOMY; CROCKETT ESQ K DAVID; SYRENGELAS ESQ NIKY ECONOMY**4) Family number: 3080098 (US4780986A)**

© PatBase

Title: Apparatus for the collection and disposal of insects

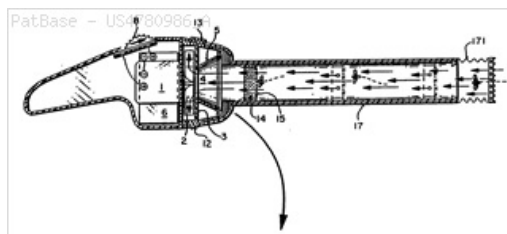
Abstract: Apparatus, especially hand-held, battery-powered apparatus, for the collection and disposal of insects through an open end thereof. In one embodiment, which may be in the form of an attachment for a conventional battery-powered vacuum cleaner, the insect is retained on a screen mounted on a carriage which is movable between rear and front positions within a housing. The front position is close to the open end, and after collecting the insect with the carriage in the rear position, the carriage is moved to the front position, where it is brought to an abrupt stop so that the insect is ejected from the apparatus. The ejection of the insect can alternatively or additionally be assisted by reversing the direction of the air flow through the open end.

Classifications:**International (IPC 8-9):** A01M1/06 A01M3/00 (Advanced/Invention);

A01M1/00 A01M3/00 (Core/Invention)

International (IPC 1-7): A01M5/00 A01M5/02**CPC:** A01M1/06 A01M3/00 A01M3/005

European: A01M1/06 A01M3/00 A01M3/00G
US: 15/352 15/415.1 15/415R 43/139



Family:

Publication number	Publication date	Application number	Application date
AU198929043 A1	19890614	AU19890029043	19881031
US4780986 A	19881101	US19870116464	19871103
US5052147 A	19911001	US19890438501	19890630
WO8904604 A1	19890601	WO1988US03856	19881031

Priority:

US19870116464 19871103 WO1988US03856 19881031 US19890438501 19890630

Probable Assignee: BROOMFIELD DOUGLAS W

Assignee(s): (std): BROOMFIELD DOUGLAS W ; BROOMFIELD JACK M ; JACK M BROOMFIELD

Inventor(s): (std): BROOMFIELD DOUGLAS W ; BROOMFIELD JACK M

Inventor(s): JACK M BROOMFIELD ; DOUGLAS W BROOMFIELD

Designated states: AT AU BB BE BG BJ BR CF CG CH CM DE DK FI FR GA GB HU IT JP KP KR LK LU MC MG ML MR MW NL NO RO SD SE SN SU TD TG US

5) Family number: 11122111 (US2002102604A)

© PatBase

Title: Full-length human cDNAs encoding potentially secreted proteins

Abstract: The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition, they may be used in screening and diagnosis assays for abnormal GENSET expression and/or biological activity and for screening compounds that may be used in the treatment of GENSET-related disorders.

Classifications:

International (ipc 8-9): A01K67/00 A01K67/027 A61K31/7088 A61K38/00 A61K38/16 A61K45/00 A61K48/00 A61P17/02 A61P25/00 A61P3/04 A61P31/00 A61P35/00 A61P9/00 A61P9/10 C07H21/00 C07H21/04 C07K1/00 C07K14/00 C07K14/435 C07K14/47 C07K14/575 C07K14/775 C07K16/18 C07K16/40 C12M1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/10 C12N15/11 C12N15/12 C12N15/63 C12N15/66 C12N5/00 C12N5/10 C12N5/12 C12N9/00 C12N9/16 C12P21/00 C12P21/02 C12P21/06 C12P21/08 C12Q1/42 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 G01N33/68 G06F17/30 G06F17/50 G06F7/02 (Advanced/Invention); A01K67/027 A61K38/00 C07K16/18 C12M1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/02 C12Q1/68 G01N33/53 G01N33/566 G06F17/30 G06F17/50 (Advanced/Non-invention); A01K67/00 A01K67/027 A61K38/00 A61K45/00 A61K48/00 A61P17/00 A61P25/00 A61P3/00 A61P31/00 A61P35/00 A61P9/00 C07H21/00 C07K14/435 C07K16/18 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/10 C12N15/11 C12N15/12 C12N5/00 C12N5/10 C12N5/12 C12P21/00 C12P21/02 C12P21/06 C12P21/08 C12Q1/68 G01N33/15 G01N33/50 G01N33/68 G06F17/30 G06F17/50 (Core/Invention); A61K38/00 (Core/Non-invention)

International (ipc 1-7): A01K67/00 A01K67/027 A61K31/7088 A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K38/17 A61K45/00 A61K48/00 A61P17/02 A61P25/00 A61P3/04 A61P31/00 A61P35/00 A61P9/00 A61P9/10 C07H21/00 C07H21/02 C07H21/04 C07K1/00 C07K14/00 C07K14/435 C07K14/47 C07K14/705 C07K16/18 C07K17/00 C12M1/00 C12N C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/10 C12N15/11 C12N15/12 C12N15/63 C12N15/66 C12N5/10 C12N9/00 C12P21/00 C12P21/02 C12P21/08 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 G01N33/68 G06F17/30 G06F17/50 G06F7/02

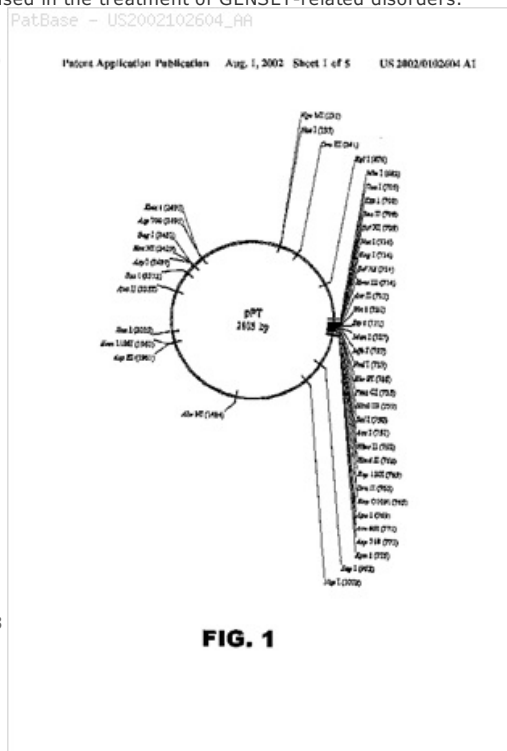
CPC: C07K16/18 C12N15/1096 Y10S514/909 C07K14/5759 A61K38/00 C07K14/775 C12N9/00 C07K14/47 A01K2217/05 C07K2319/02 C12Q1/6883

European: C07K14/47 C07K14/575P C07K14/775 C07K16/18 C12N15/10D C12Q1/68B2 C12Q1/68B2+563/131 K01K217/05 K61K38/00 M07K203/02 M07K205/00 M07K207/00 M07K215/00 M07K319/02 M12Q1/68A6

US: 435/183 435/183S 435/196 435/21 435/252.3 435/254.11 435/320.1 435/320.100S 435/325 435/325S 435/6 435/6.14 435/6.16 435/6.160P 435/6.160S 435/69.1 435/69.100S 435/6P 435/6S 435/7.1 435/7.100P 435/91.1 435/911 506/17 506/17S 506/8 506/8P 506/9 506/9S 514/1.9 514/12 514/13 514/14 514/15 514/15.7 514/16 514/17 514/2 514/4.8 514/4.800P 514/5.8 514/5.9 514/6.8 514/6.9 514/7.4 514/909 530/300 530/309 530/350 530/350S 530/388.26 530/388.260S 536/23.1 536/23.100S 536/23.2 536/23.200S 536/23.5 536/23.500S 536/24.1 536/241 800/8 800/8P

Family:

Publication number	Publication date	Application number	Application date
AT405323 E	20080915	AT20020748339T	20020207
AU199930501 A1	19991101	AU19990030501	19990409
AU200117265 A1	20010618	AU20010017265	20001207
AU200117265 A5	20010618	AU20010017265	20001207
AU2001256599 AA	20021028	AU20010256599	20010418
AU2001256599 AB	20031127	AU20010256599	20010418



AU2002307819 AA	20020919	AU20020307819	20020207
AU2003262217 AA	20031211	AU20030262217	20031113
AU2006202969 AA	20060810	AU20060202969	20060705
AU764571 B2	20030821	AU19990030501	19990409
AU784469 B2	20060406	AU20010017265	20001207
CA2296792 AA	20000826	CA20002296792	20000216
CA2319089 AA	20000726	CA19992319089	19990409
CA2382165 AA	20020419	CA20002382165	20001207
CA2445990 AA	20031002	CA20012445990	20010418
DE60228408 D1	20081002	DE20026028408	20020207
EP1033401 A2	20000906	EP20000200610	20000221
EP1033401 A3	20040421	EP20000200610	20000221
EP1068312 A2	20010117	EP19990912007	19990409
EP1252305 A2	20021030	EP20000979889	20001207
EP1357973 A2	20031105	EP20020748339	20020207
EP1357973 B1	20080820	EP20020748339	20020207
EP1379648 A1	20040114	EP20010929922	20010418
ES2312594 T3	20090301	ES20020748339T	20020207
IL158397 A0	20040512	IL20010158397	20010418
JP2001269182 A2	20011002	JP20000118773	20000224
JP2002511259 T2	20020416	JP20000543599T	19990409
JP2003516150 T2	20030513	JP20010544327T	20001207
JP2004536581 T2	20041209	JP20020582236T	20010418
US2002102604 AA	20020801	US20000731872	20001207
US2003152921 AA	20030814	US20010876997	20010608
US2005075285 AA	20050407	US20020467554	20020207
US2005075285 AA	20050407	US20040467554	20040916
US2005075285 AA	20050407	US20040467554	20040916
US2005096458 AA	20050505	US20030643836	20030819
US2005106595 AA	20050519	US20040926683	20040825
US2006053498 AA	20060309	US20010475075	20010418
US2006130160 AA	20060615	US20050197712	20050804
US6783961 BA	20040831	US20000513999	20000224
US6822072 BA	20041123	US19990471276	19991221
US7060479 BB	20060613	US20010876997	20010608
US7115416 BA	20061003	US20040793479	20040303
US7223727 BB	20070529	US20040467554	20040916
US7223727 BB	20070529	US20040467554	20040916
US7223727 BB	20070529	US20020467554	20020207
US7235381 BB	20070626	US20040926683	20040825
US7271243 BB	20070918	US20030643836	20030819
WO0142451 A2	20010614	WO20001B01938	20001207
WO0142451 A3	20020510	WO20001B01938	20001207
WO02069689 A2	20020912	WO20021B01514	20020207
WO02069689 A3	20030206	WO20021B01514	20020207
WO02083898 A1	20021024	WO20011B00914	20010418
WO9953051 A2	19991021	WO19991B00712	19990409
WO9953051 A3	20000406	WO19991B00712	19990409

Priority:

US19980057719	19980409	US19980069047	19980428	US19990122487P	19990226
AU19990030501	19990409	WO19991B00712	19990409	US19990147499P	19990805
US19990169629P	19991208	US19990471276	19991221	CA20002296792	20000216
US20000513999	20000224	US20000187470P	20000306	US20000621976	20000721
AU20010017265	20001207	US20000731872	20001207	WO20001B01938	20001207
US20010267624P	20010209	WO20011B00914	20010418	US20010295722P	20010604
US20010876997	20010608	WO20021B01514	20020207	US20030643836	20030819
US20040793479	20040303	US20040926683	20040825	US20040467554	20040916
US20050197712	20050804				

Probable Assignee: SERONO GENETICS INST SA

Assignee(s): (std): BEJANIN STEPHANE ; BIHAIN BERNARD ; BOUGUELERET LYDIE ; BOUR BARBARA A ; CHICCA JOHN ; DENISON BLAKE ; DUMAS MILNE EDWARDS JEAN BAPTISTE ; DUCLERT AYMERIC ; MILNE EDWARDS JEAN BAPTISTE DU ; TANAKA HIROAKI ; JOBERT SEVERIN ; GENSET SA ; GIORDANO JEAN YVES ; SERONO GENETICS INSTITUTE S A ; SERONO GENETICS INST S A ; SERONO GENETICS INST SA ; YEN POTIN FRANCES

Assignee(s): GENSET S A ; SERONO GENETICS INST ; MILNE EDWARDS JEAN BAPTISTE DUMAS ; GENSET ; DUMAS MILNE EDWARDS JEAN BAPTISTE ; BOUR BARBARA

Inventor(s): (std): BARBARA A BOUR ; SEVERIN JOBERT ; FRANCES YEN POTIN ; JEAN BAPTISTE DUMAS MILNE EDWARDS ; BERNARD BIHAIN ; JEAN YVES GIORDANO ; JOHN CHICCA ; DUMAS MILNE EDWARDS JEAN BAPTISTE ; STEPHANE BEJANIN ; HIROAKI TANAKA ; BLAKE DENISON ; BOUR BARBARA ; JOBERT SEVERIN ; TANAKA HIROAKI ; BEJANIN STEPHANE ; BIHAIN BERNARD ; YEN POTIN FRANCES ; DENISON BLAKE ; CHICCA JOHN ; BOUR BARBARA A ; BOUGUELERET LYDIE ; MILNE EDWARDS JEAN BAPTISTE DU ; CHICCA BARBARA ; EDWARDS JEAN BAPTISTE DUMAS MI ; DUCLERT AYMERIC ; GIORDANO JEAN YVES ; DUMAS MILNE EDWARDS JEAN BAPTISTE ; EDWARDS MILNE ; DUMAS JEAN BAPTISTE ; CHICCA BARBARA A ; JEAN BAPTISTE DUMAS ; LYDIE BOUGUELERET ; MILNE EDWARDS

Inventor(s): MILNE EDWARDS JEAN BAPTISTE DUMAS ; AYMERIC DUCLERT ; EDWARDS JEAN BAPTISTE DUMAS MILNE

Agent(s): FB RICE ; FB RICE PTY LTD ; WRAYS PTY LTD ; WRAYS ; SIM AND MCBURNEY ; BRASNETT ADRIAN HUGH ET AL ; SALIWANCHIK LLOYD AND SALIWANCHIK A PROFESSIONAL ASSOCIATION ; SALIWANCHIK LLOYD AND SALIWANCHIK, A PROFESSIONAL ASSOCIATION ; FRANK C EISENSCHENK PHD SALIWANCHIK LLOYD AND SALIWANCHIK ; SALIWANCHIK LLOYD AND SALIWANCHIK

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 LI 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

Title: ROBOTIC PEST REMOVAL SYSTEM

Abstract: An autonomous robotic system and method for removing pests from a specific location. The robotic system of the invention preferably comprises a means for attracting pests to at least one specific location; and a robotic means for collecting and/or exterminating pests attracted to the specified location. In certain embodiments, the robotic means comprises a mobile robot and a means for navigating the robotic means. In operation, pests are attracted to at least one location by an attracting means, and these pests are then collected and/or exterminated by a mobile, autonomous robot of the invention.

Classifications:

International (IPC 8-9): A01M13/00 A01M5/00 A01N25/00

A01N65/00 G06F15/18 (Advanced/Invention);

A01M13/00 A01M5/00 A01N25/00 A01N65/00 A01N65/12

G06F15/18 (Core/Invention)

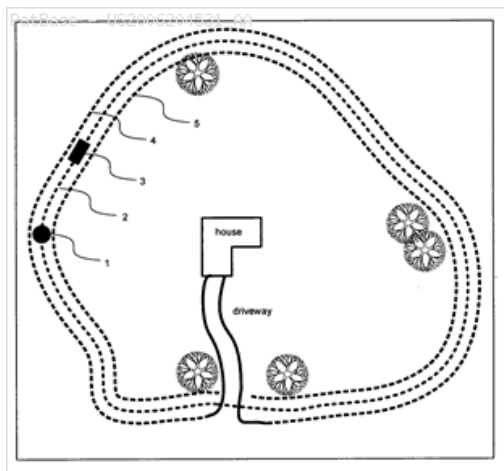
CPC: A01M1/02 A01M1/023 A01M1/145 A01M1/20 A01M5/06

A01M2200/011

European: A01M1/02 A01M1/02C A01M1/14B A01M1/20 A01M5/04

A01M5/06 K01M200/011 K01M201/01

US: 424/405 43/125 43/132.1 514/65 706/14



Family:

Publication number	Publication date	Application number	Application date
US2006204531 AA	20060914	US20060374440	20060313
US7441367 BB	20081028	US20060374440	20060313

Priority:

US20050661451P 20050314 US20060374440 20060313

Probable Assignee: VMI FOUNDATION

Assignee(s): (std): CRUMP DENNIS J ; HAMMOND GLENN B ; LIVINGSTON DAVID L ; SONENSHINE DANIEL E ; SQUIRE JAMES C ; SULLIVAN GERALD A JR ; WOLFE JUSTIN H ; VMI FOUNDATION

Assignee(s): VIRGINIA MILITARY INST

Inventor(s): (std): SQUIRE JAMES C ; LIVINGSTON DAVID L ; SONENSHINE DANIEL E ; CRUMP DENNIS J ; HAMMOND GLENN B ; WOLFE JUSTIN H ; SULLIVAN GERALD A JR ; SULLIVAN JR GERALD ALLEN

Inventor(s): SULLIVAN GERALD ALLEN ; SULLIVAN GERALD AJR ; SQUIRE JAMES ; SONENSHINE DANIEL ; HAMMOND GLENN ; WOLFE JUSTIN ; CRUMP DENNIS ; LIVINGSTON DAVID ; SULLIVAN GERALD

Agent(s): SALIWANCHIK LLOYD AND SALIWANCHIK, A PROFESSIONAL ASSOCIATION; SALIWANCHIK LLOYD AND SALIWANCHIK A PROFESSIONAL ASSOCIATION; SALIWANCHIK LLOYD AND SALIWANCHIK

Title: METHOD AND APPARATUS FOR DISPERSING A VOLATILE COMPOSITION

Abstract: A method of dispersing a volatile composition which method comprises dispersing a volatile composition into an air stream; and generating an ion wind, thus causing the molecules of the volatile to become electrically charged. An apparatus for use in the method is also disclosed.

Classifications:

International (IPC 8-9): A01M1/02 A01M1/20 A01M1/22 A01M7/00

A61L9/04 A61L9/22 B05B5/043 B05D1/04 (Advanced/Invention);

A01M7/00 A61L9/04 B05D1/04 (Advanced/Non-invention);

A01M A61L (Subclass/Invention)

International (IPC 1-7): A01M A01M1/20 A01M1/22 A01M13/00

A01M7/00 A61L A61L9/04 A61L9/14 A61L9/22 B05B5/043 B05D1/04

CPC: A61L9/22 A01M1/02 A01M1/2033 A01M1/2044 A01M1/2055

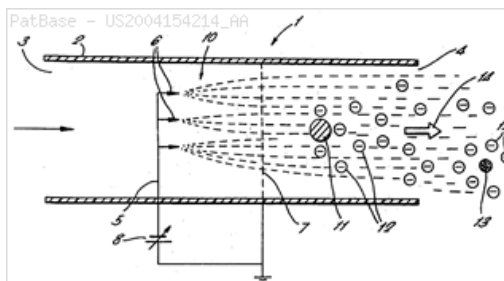
A01M1/223 A01M2200/012

European: A01M1/02 A01M1/20A A01M1/20C2F A01M1/20C2L

A01M1/20C2S A01M1/22 A01M1/22B A61L9/22 K01M200/012

K01M201/02

US: 43/107 43/107P 43/124 43/132.1 431/240



Family:

Publication number	Publication date	Application number	Application date
AR022007 AA	20020904	AR1999P106723	19991223
AT275335 E	20040915	AT19990010784T	19991220
AT332637 E	20060815	AT19990962362T	19991220
AU200018733 A1	20000731	AU20000018733	19991220
AU200018733 A5	20000731	AU20000018733	19991220
AU773867 B2	20040610	AU20000018733	19991220
BRPI9916506 A	20010911	BR1999PI16506	19991220
CA2356268 AA	20010622	CA19992356268	19991220
CA2356268 C	20080219	CA19992356268	19991220

CL1999002938 A1	20010103	CL19990002938	19991214
CL44127 B	20081120	CL19990002938	19991214
CN1143616 C	20040331	CN19998015052	19991220
CN1331559 A	20020116	CN19998015052	19991220
DE69920057 D1	20041014	DE19996020057	19991220
DE69920057 D1	20041014	DE19996020057T	19991220
DE69920057 T2	20050929	DE19996020057T	19991220
DE69932354 D1	20060824	DE19996032354	19991220
DE69932354 D1	20060824	DE19996032354T	19991220
DE69932354 T2	20070712	DE19996032354T	19991220
EP1139735 A1	20011010	EP19990962362	19991220
EP1139735 B1	20060712	EP19990962362	19991220
EP1236396 A1	20020904	EP20020010784	19991220
EP1236396 B1	20040908	EP20020010784	19991220
ES2227358 T3	20050401	ES20020010784T	19991220
ES2268890 T3	20070316	ES19990962362T	19991220
GB9828728 A0	19990217	GB19980028728	19981224
GB9901146 A0	19990310	GB19990001146	19990119
IN01365CH2004 A	20060203	IN2004CH01365	20041213
JP2002533203 T2	20021008	JP20000590477T	19991220
MXPA01006430 A1	20020702	MX2001PA06430	19991220
MY121128 A	20051230	MY19990005675	19991222
PL349044 A1	20020701	PL19990349044	19991220
TH45879 A	20010622	TH19991004776	19991220
US2004154214 AA	20040812	US20040774475	20040210
US6701663 BA	20040309	US20010868125	20010925
US6877271 BB	20050412	US20040774475	20040210
WO0038512 A1	20000706	WO1999GB04312	19991220
ZA200105174 A	20040602	ZA20010005174	20010622

A61M5/00 A61M5/30 A61P17/00 A61P17/02 A61P31/16 A61P35/00 A61P43/00 B01J8/18 B05B7/00 B06B1/02 B24B1/00 B26D7/00 B26D7/06 B29C47/78 B32B15/02 B32B5/16 B65D35/38 B65D83/00 B67D7/06 B67D7/16 C06B45/00 C06B45/18 C07K16/22 C07K16/28 C07K16/30 C09K13/00 C12N5/00 C12N5/02 C12N5/04 C12N5/06 C12N5/07 C12N5/071 C12N5/09 C12Q1/02 C40B60/00 D03D23/00 D03D43/00 F25C1/00 G01N33/48 G01N33/574 G05B15/02 G06F17/00 G06F17/31 G06F17/50 G06F19/00 G06F19/18 G06G7/48 G06G7/60 G06Q50/00 G06Q50/22 (Advanced/Invention); A61B17/00 A61B17/54 A61B18/02 A61B19/00 A61K31/505 A61K31/519 A61K31/59 A61K38/00 A61K39/00 A61K9/00 A61K9/12 A61K9/14 A61K9/16 A61K9/70 A61M5/00 B82Y5/00 C07K16/22 C07K16/28 C07K16/30 G05D7/06 G06F19/18 (Advanced/Non-invention); A01H5/00 A01N1/00 A01N1/02 A23L1/48 A61B17/50 A61B18/00 A61B5/00 A61B5/055 A61K31/095 A61K31/137 A61K31/185 A61K31/337 A61K31/505 A61K31/519 A61K31/59 A61K31/70 A61K31/7028 A61K31/7042 A61K31/7088 A61K31/74 A61K33/00 A61K33/14 A61K35/00 A61K35/12 A61K35/66 A61K38/00 A61K38/02 A61K38/12 A61K38/14 A61K38/16 A61K38/18 A61K38/19 A61K38/43 A61K39/00 A61K39/05 A61K39/08 A61K39/145 A61K39/395 A61K45/00 A61K47/02 A61K47/06 A61K47/08 A61K47/12 A61K47/14 A61K47/16 A61K47/30 A61K47/32 A61K48/00 A61K49/00 A61K49/04 A61K49/06 A61K51/00 A61K51/02 A61K51/12 A61K9/00 A61K9/127 A61K9/133 A61K9/14 A61K9/50 A61K9/68 A61M37/00 A61P17/00 A61P31/00 A61P35/00 A61P43/00 B01J8/18 B05B7/00 B06B1/02 B29C47/78 B32B15/02 B32B5/16 B65D35/24 B65D83/00 B67D7/06 B67D7/08 C09K13/00 C12N5/00 C12N5/02 C12N5/09 C12Q1/02 C40B60/00 G01N33/48 G05B15/02 G06F17/00 G06F17/30 G06F17/50 G06F19/00 G06G7/00 G06Q50/00 (Core/Invention); G05D7/06 (Core/Non-invention) **CPC:** A61K9/1682 B26D5/32 B26D7/08 B26F1/24 A61K9/0024 A61K9/5015 A61K9/5057 A61M2037/003 A61M2037/0046 A61M2037/0053 A61M2037/0061 A61K51/1051 A61K51/1251 B82Y5/00 F26B5/06 A61K9/501 A61M37/0069 A61M2205/3306 G06F19/3468 G06F19/36 G06Q50/22 A61K31/519 A61K31/59 A61M2037/0023 A61M2205/02 A61B2017/00022 A61B2017/00128 A61K51/1027 A61M2005/005 A61K9/0014 A61K9/7015 A61K35/16 A61K35/28 A61K35/32 A61K35/33 A61K35/34 C07K16/2809 C07K16/2848 C07K2317/31 G06F19/3481 G01N33/574 G01N33/57407 G01N2800/52 A61M37/00 A61B17/3205 A61B17/00491 A61K2300/00 A61K9/12 A61K9/143 C07K16/22 A61K9/209 A61K9/2095 A61K9/2866 A61K31/74 A61K39/145 A61K2039/54 A61M37/0015 C12N2760/16034 A61K2039/545 A61K31/7008 A61K9/1617 A61K38/38 A61K38/4833 A61K38/4886 A61K9/00 A61K9/127 A61K31/505 A61K31/7012 C07K16/2863 A61K9/167 A61K9/0019 A61K9/1611 A61K31/00 A61K31/337 A61K31/70 A61K31/7088 A61K39/00 A61K41/0004 A61K45/06 A61B18/02 A61B17/545 A61K38/00 A61K31/10 A61K49/1818 Y10T83/222 Y10T83/0448 A61K39/12 A61K9/0021 G06F19/3456 Y10T428/2982 A61K35/00 A61K9/145 A61K9/16 A61B2034/101 B33Y80/00 B33Y70/00 C07K16/2824 A61K2039/505 C07K16/283 C07K16/2842 C07K16/2878 C07K16/30 A61K51/1244 A61K51/12 A61K33/00 A61K9/007 A61K9/08 A61K9/14 A61K9/1641 A61K9/1664 A61K9/1688 A61K9/19 G16H50/20 Y02A90/26 Y02A90/22 A61B17/3203 A61M5/3015 G16H50/50 Y02A50/464 Y02A50/466 G06F19/00 G16B20/00 **European:** A61B18/02 A61K31/00 A61K31/10 A61K31/337 A61K31/505 A61K31/519 A61K31/59 A61K31/70 A61K31/7012 A61K31/7088 A61K31/74 A61K33/00 A61K35/16 A61K35/28 A61K35/32 A61K35/33 A61K35/34 A61K38/38 A61K38/48K5 A61K38/48N A61K39/145 A61K39/395 A61K41/00D A61K45/06 A61K49/18P A61K49/18R A61K51/10B28 A61K51/10B30B A61K51/12 A61K51/12H A61K51/12H2B A61K9/00M20 A61K9/00M3 A61K9/00M5 A61K9/00M5B A61K9/08 A61K9/12 A61K9/127 A61K9/14H2 A61K9/16H2 A61K9/16H4 A61K9/16H6D A61K9/16H8 A61K9/16P A61K9/16P2 A61K9/19 A61K9/20K4B A61K9/20P A61K9/28H6F2 B82Y5/00 C07K16/22 C07K16/28A12 C07K16/28A22 C07K16/28A26 C07K16/28B10 C07K16/28B14 C07K16/28G C07K16/28R C07K16/30 F26B5/06 G01N33/574 G01N33/574C G06F19/34L G06F19/34N G06Q50/22 K61B17/54P K61B18/02 K61K38/00 K61K39/00 K61K39/505 K61K39/54 K61K9/00M5B M07K317/310 M12N760/16034 S01N800/52 S06F19/18 **US:** 1/1 149/108.8 149/109.4 149/2 149/3 222/1 222/192 222/192S 222/1S 222/394 222/394S 222/395 222/566 222/566S 222/630 222/630S 222/71 222/71P 252/79.1 252/79.100S 264/28 264/28S 264/442 264/442P 422/139 422/139S 424/1.11 424/1.110P 424/1.110S 424/1.29 424/1.290P 424/1.49 424/1.490P 424/1.490S 424/1.61 424/1.610P 424/130.1 424/130.100S 424/133.1 424/133.100P 424/133.100S 424/141.1 424/141.100S 424/174.1 424/174.100S 424/184.1 424/184.1 424/184.100S 424/203.1 424/203.100S 424/209.1 424/209.100S 424/236.1 424/236.100S 424/238.1 424/238.100S 424/239.1 424/239.100S 424/277.1 424/277.100S 424/40 424/400 424/400P 424/400S 424/40S 424/440 424/440S 424/450 424/450S 424/451 424/451S 424/484 424/484S 424/486 424/486S 424/489 424/489P 424/489S 424/501 424/501P 424/600 424/600S 424/661 424/661S 424/700 424/700P 424/700S 424/718 424/718S 424/76.1 424/78.08 424/78.080S 424/9.1 424/9.1 424/9.100P 424/9.100S 424/9.3 424/9.300S 424/9.36 424/9.360S 424/9.4 424/9.400S 424/9.6 424/9.600S 424/93.1 424/93.100S 424/93.4 424/93.400S 424/93.6 424/93.600S 424/93.7 424/93.700S 424/93.71 424/93.710S 424/94.1 424/94.100S 424/94.5 424/94.500S 424/94.63 424/94.630S 424/94.64 424/94.640S 424/94.67 424/94.670S 425/113 425/113S 426/442 426/531 426/531S 428/402 428/402S 435/1.1 435/1.100S 435/1.3 435/1.300S 435/284.1 435/284.100S 435/29 435/29S 435/325 435/325S 435/375 435/375S 435/395 435/395S 435/410 435/410S 451/102 451/2 451/38 451/39 451/40 451/7 506/33 506/33S 514/1.1 514/1.100P 514/1.100S 514/11 514/12 514/16.6 514/16.600S 514/165 514/167 514/167S 514/2 514/23 514/23S 514/249 514/249S 514/257 514/267 514/274 514/274S 514/282 514/304 514/312 514/34 514/34S 514/4.8 514/4.800S 514/44.00AS 514/44.00RS 514/449 514/449S 514/44A 514/44R 514/561 514/561S 514/570 514/653 514/653S 514/708 514/708S 514/769 514/769S 514/771 514/771S 514/772 514/772.3 514/772.300S 514/772.4 514/772.400S 514/772S 514/777 514/777S 514/784 514/784S 514/785 514/785S 514/788 514/788S 514/8 514/8.1 514/8.100S 514/8.3 514/8.300S 600/420 600/431 600/431S 604/113 604/113S 604/131 604/173 604/20 604/246 604/246S 604/272 604/272S 604/290 604/35 604/503 604/503P 604/506 604/65 604/66 604/66P 604/67 604/68 606/131 606/167 606/20 606/213 606/22 607/108 607/108S 607/96 607/96P 62/442 62/66 700/109 700/109S 700/117 700/117P 700/17 700/17P 700/283 700/283S 700/79 700/97 700/97P 702/19 702/19P 702/19P 702/19S 702/20 702/20P 702/21 702/21S 703/11 703/11P 705/2 705/2P 707/602 707/602S 707/E17.044 707/E17.044S 800/298 800/298S 83/167 83/23 977/774 977/774S 977/904 977/904S 977/927 977/927S

Family:

Publication number	Publication date	Application number	Application date
US2010111830 AA	20100506	US20080290664	20081031
US2010111831 AA	20100506	US20080290670	20081031
US2010111832 AA	20100506	US20090380552	20090226
US2010111833 AA	20100506	US20090380557	20090226
US2010111834 AA	20100506	US20090380558	20090226
US2010111835 AA	20100506	US20090380563	20090226
US2010111836 AA	20100506	US20090380566	20090226
US2010111837 AA	20100506	US20090384212	20090331
US2010111841 AA	20100506	US20080290658	20081031
US2010111842 AA	20100506	US20080290671	20081031
US2010111843 AA	20100506	US20080290683	20081031
US2010111844 AA	20100506	US20080290685	20081031
US2010111845 AA	20100506	US20080290686	20081031
US2010111846 AA	20100506	US20090383263	20090320
US2010111847 AA	20100506	US20090383821	20090327
US2010111848 AA	20100506	US20090383829	20090327
US2010111849 AA	20100506	US20090383851	20090327
US2010111850 AA	20100506	US20090383863	20090327
US2010111854 AA	20100506	US20090586074	20090915
US2010111855 AA	20100506	US20090586076	20090915
US2010111857 AA	20100506	US20090380560	20090226
US2010111938 AA	20100506	US20090384201	20090331
US2010112067 AA	20100506	US20090384202	20090331
US2010112068 AA	20100506	US20090384215	20090331
US2010112093 AA	20100506	US20090380568	20090226

US2010113614 AA	20100506	US20090383264	20090320
US2010113615 AA	20100506	US20090383265	20090320
US2010114013 AA	20100506	US20090380550	20090226
US2010114267 AA	20100506	US20080290665	20081031
US2010114268 AA	20100506	US20080290676	20081031
US2010114348 AA	20100506	US20090586075	20090915
US2010114496 AA	20100506	US20080290687	20081031
US2010114497 AA	20100506	US20080290691	20081031
US2010114545 AA	20100506	US20080290677	20081031
US2010114546 AA	20100506	US20080290684	20081031
US2010114547 AA	20100506	US20090384214	20090331
US2010114592 AA	20100506	US20080290690	20081031
US2010119557 AA	20100513	US20090586073	20090915
US2010121466 AA	20100513	US20090586071	20090915
US2010143243 AA	20100610	US20090586072	20090915
US2010152651 AA	20100617	US20090586077	20090915
US2010152880 AA	20100617	US20090590028	20091030
US2010163576 AA	20100701	US20090590049	20091030
US2010168900 AA	20100701	US20090590034	20091030
US2010185174 AA	20100722	US20090590033	20091030
US2010187728 AA	20100729	US20090590029	20091030
US2011150765 AA	20110623	US20090586070	20090915
US2012101738 AA	20120426	US20090384218	20090331
US2012109613 AA	20120503	US20090384216	20090331
US2012128783 AA	20120524	US20090383260	20090320
US2012164069 AA	20120628	US20080290659	20081031
US2013011332 AA	20130110	US20120617638	20120914
US2013071319 AA	20130321	US20120646880	20121008
US2013224112 AA	20130829	US20130853571	20130329
US2014200511 AA	20140717	US20140193019	20140228
US8221480 BB	20120717	US20090384216	20090331
US8256233 BB	20120904	US20090590029	20091030
US8409376 BB	20130402	US20080290659	20081031
US8414356 BB	20130409	US20090590033	20091030
US8485861 BB	20130716	US20090590049	20091030
US8518031 BB	20130827	US20090590028	20091030
US8545806 BB	20131001	US20090384212	20090331
US8545855 BB	20131001	US20090380550	20090226
US8545856 BB	20131001	US20090383264	20090320
US8545857 BB	20131001	US20090383821	20090327
US8551505 BB	20131008	US20090380568	20090226
US8551506 BB	20131008	US20090383851	20090327
US8563012 BB	20131022	US20090383829	20090327
US8568363 BB	20131029	US20090586072	20090915
US8603494 BB	20131210	US20090383863	20090327
US8603495 BB	20131210	US20090384201	20090331
US8603496 BB	20131210	US20090384202	20090331
US8613937 BB	20131224	US20090384215	20090331
US8721583 BB	20140513	US20080290677	20081031
US8722068 BB	20140513	US20120646880	20121008
US8725420 BB	20140513	US20080290687	20081031
US8731840 BB	20140520	US20080290684	20081031
US8731841 BB	20140520	US20080290691	20081031
US8731842 BB	20140520	US20090384214	20090331
US8762067 BB	20140624	US20080290665	20081031
US8784384 BB	20140722	US20090586073	20090915
US8784385 BB	20140722	US20090586076	20090915
US8788211 BB	20140722	US20080290676	20081031
US8788212 BB	20140722	US20090384218	20090331
US8793075 BB	20140729	US20080290690	20081031
US8798932 BB	20140805	US20090586071	20090915
US8798933 BB	20140805	US20090586075	20090915
US8849441 BB	20140930	US20090590034	20091030
US8858912 BB	20141014	US20090586077	20090915
US9040087 BB	20150526	US20090586074	20090915
US9050070 BB	20150609	US20090380552	20090226
US9050251 BB	20150609	US20090383263	20090320
US9050317 BB	20150609	US20080290683	20081031
US9056047 BB	20150616	US20090383260	20090320
US9060926 BB	20150623	US20080290685	20081031
US9060931 BB	20150623	US20090383265	20090320
US9060934 BB	20150623	US20090380557	20090226
US9072688 BB	20150707	US20080290671	20081031
US9072799 BB	20150707	US20080290664	20081031
WO15130900 A1	20150903	WO2015US17681	20150226

Priority:

US20080290658	20081031	US20080290659	20081031	US20080290664	20081031
US20080290671	20081031	US20080290665	20081031	US20080290670	20081031
US20080290683	20081031	US20080290685	20081031	US20080290686	20081031
US20080290690	20081031	US20080290684	20081031	US20080290677	20081031
US20080290687	20081031	US20080290676	20081031	US20080290691	20081031
US20090380552	20090226	US20090380557	20090226	US20090380558	20090226

US20090380563 20090226
US20090383263 20090320
US20090384212 20090321
US20090383821 20090327
US20090384202 20090331
US20090384216 20090331
US20090384212 20090331
US20090586073 20090915
US20090586071 20090915
US20090590033 20091030
US20090590034 20091030
US20120646880 20121008

US20090380566 20090226
US20090383260 20090320
US20090384215 20090321
US20090383829 20090327
US20090384201 20090331
US20090384218 20090331
US20090586070 20090915
US20090586077 20090915
US20090586074 20090915
US20090590029 20091030
US20090590028 20091030
US20130853571 20130329

US20090389568 20090326
US20090383265 20090320
US20090383851 20090327
US20090383863 20090327
US20090384215 20090331
US20090384214 20090331
US20090586072 20090915
US20090586075 20090915
US20090586076 20090915
US20090590049 20091030
US20120617638 20120914
US20140193019 20140228

Probable Assignee: GEARBOX LLC

Assignee(s): (std): BOYDEN EDWARD S ; COOK DANIEL B ; HYDE RODERICK A ; MYHRVOLD NATHAN P ; LEUTHARDT ERIC C ; SEARETE LLC ; INVENTION SCIENCE FUND I LLC ; WOOD JR LOWELL L ; SWEENEY ELIZABETH A ; SEARETE LLC S LTD LIABILITY CO ; WOOD LOWELL L JR

Assignee(s): WOOD LOWELL L ; SEARETE LLC A LIABILITY OF STATES OF DELAWARE CORP LTD ; SEARETE LLC S LIABILITY OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD ; GEARBOX LLC

Inventor(s): (std): MYHRVOLD NATHAN P ; WOOD JR LOWELL L ; SWEENEY ELIZABETH A ; BOYDEN EDWARD S ; HYDE RODERICK A ; COOK DANIEL B ; LEUTHARDT ERIC C ; WOOD LOWELL L JR

Inventor(s): WOOD LOWELL L

Agent(s): SEARETE LLC CLARENCE T TEGREENE; SEARETE LLC; INVENTION SCIENCE FUND CLARENCE T TEGREENE; MALASKA STEPHEN L 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

9) Family number: 44975138 (US2010224697A)

© PatBase

Title: ULTRASONIC HUMIDIFIER FOR REPELLING INSECTS

Abstract: The present invention is directed to an ultrasonic repellent humidifier for dispersing insect repellent into the air as a micro fine repellent vapor. A repellent tank provides rhodinol and cedarwood oil based repellent to a repellent well. An ultrasonic transducer is positioned in the well beneath the level of the repellent. It vibrates, forming a repellent vapor that is drawn into a vapor duct by a forced air system and out of the unit, dispersing the repellent vapor into the surrounding air. The vibrating portion of the ultrasonic transducer that is exposed to the oil-based repellent is a ceramic material that inhibits residue from forming on the transducer that reduces its efficiency. The ceramic material may be formed on the metal case of the transducer or on the piezoelectric oscillation crystal, or it may be a separately replaceable disc.

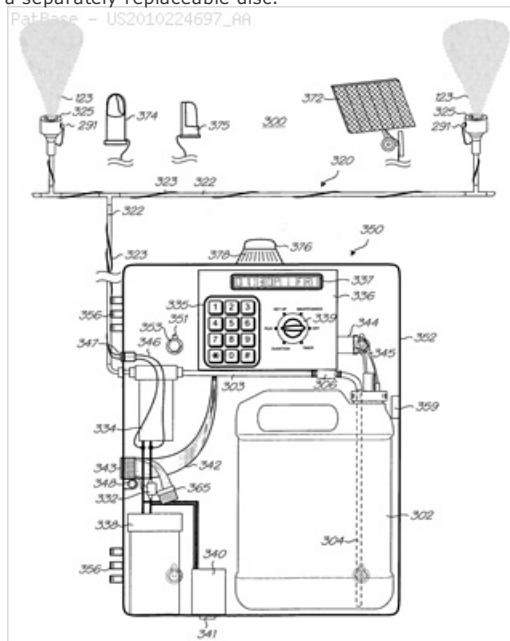
Classifications:

International (IPC 8-9): A01M13/00 A01M7/00 (Advanced/Invention);
A01M13/00 (Advanced/Non-invention);
A01M13/00 A01M7/00 (Core/Invention);
A01M13/00 (Core/Non-invention)

CPC: A01M1/2033 A01M1/205 A01M29/12 B05B17/0615
B05B17/0661 B05B17/0684 H01L41/0533 B05B7/0012

European: A01M1/20C2F A01M1/20C2L2 A01M29/12

US: 239/102.1 239/102.100P 239/102.2 261/81 43/125 43/129
43/132.1 43/132.100S 431/321



Family:

Publication number	Publication date	Application number	Application date
US2010224697 AA	20100909	US20100661358	20100315
US2011226868 AA	20110922	US20110068807	20110519
US7712249 BA	20100511	US20070985816	20071116
US8296993 BB	20121030	US20100661358	20100315

Priority:

US20070985816 20071116 US20100661358 20100315 US20110068807 20110519

Probable Assignee: MONSTER MOSQUITO SYSTEMS

Assignee(s): (std): JOHNNIEKERK LEO ; MODLIN KEMPER O NEAL ; MONSTER MOSQUITO SYSTEMS ; MONSTER MOSQUITO SYSTEMS LLC

Inventor(s): (std): NIEKERK LEO JOHN ; JOHNNIEKERK LEO ; MODLIN KEMPER O NEAL

Inventor(s): MODLIN KEMPER O'NEAL

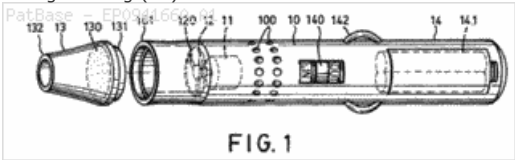
10) Family number: 12891140 (EP0941660A1) PatBase

Title: Insect-catcher

Abstract: An insect-catcher is used to catch insects, and includes a hollow body (10) having a first open end (101), an insect collecting housing (13) having a second open end (132) and an open connecting end (131) connected to the first open end (101) of the hollow body (10), a sucking/blowing unit provided inside the hollow body (10) for sucking or blowing the insects into or out of the hollow body (10), and a screen (130) provided in the insect collecting housing (13) adjacent to the open connecting end (131) and adapted to hold the insects in the insect collecting housing (13).

Classifications:

International (IPC 8-9): A01M1/06 (Advanced/Invention); A01M1/00 (Core/Invention)
International (IPC 1-7): A01M1/06
CPC: A01M1/06 A01M3/005 A01M2200/012
European: A01M1/06 A01M3/00 A01M3/00G K01M200/012 K01M201/02



Family:

Publication number	Publication date	Application number	Application date
EP0941660 A1	19990915	EP19980301627	19980305

Priority:

EP19980301627 19980305

Probable Assignee: CHEN RAMY
Assignee(s): (std): CHEN RAMY
Inventor(s): (std): CHEN RAMY
Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT

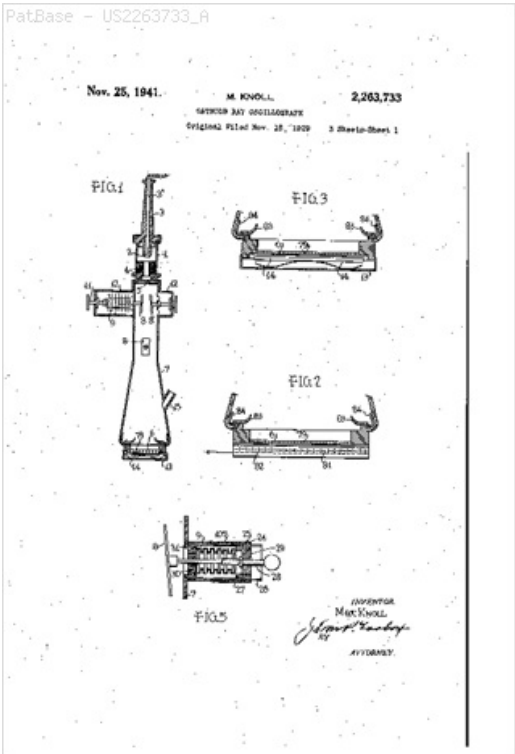
11) Family number: 30965140 (US2263733A) PatBase

Title: CATHODE RAY OSCILLOGRAPH

Abstract: 16775. [Class 5 (i)] An insect trap comprises a lamp or other lure 4, a fan 2 and a collecting and incinerating chamber, in the back of which is mounted a heating element 9.

Classifications:

International (IPC 8-9): A01M1/08 H01J31/12 (Advanced/Invention); A01M1/08 H01J31/12 (Core/Invention)
International (IPC 1-7): F24H3/04 G01R13/22 H01J29/24
CPC: A01M1/08 A01M2200/012 H01J31/121
European: A01M1/08 H01J31/12B K01M200/012 K01M201/02
US: 313/374 348/325 348/805 348/844 358/400



Family:

Publication number	Publication date	Application number	Application date
GB589810 A	19470701	GB19440016775	19440902
US2263733 A	19411125	US19390258528	19390225

Priority:

US19390258528 19390225 GB19440016775 19440902

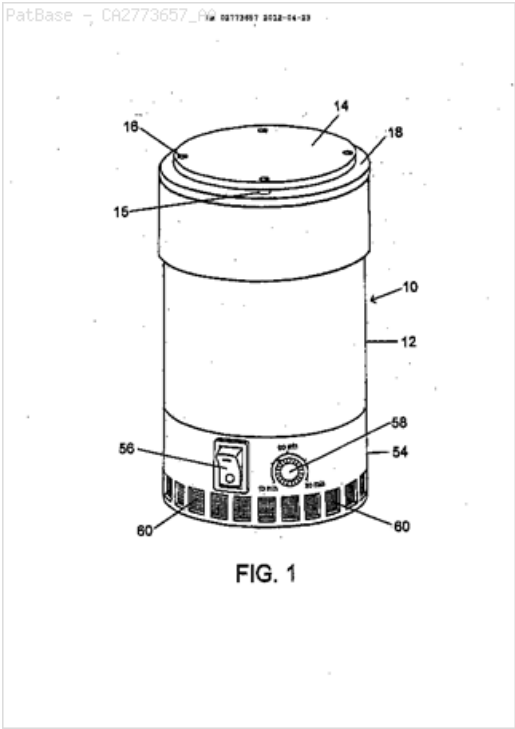
Probable Assignee: RCA CORP
Assignee(s): (std): GERALD BUNN ; RCA CORP
Assignee(s): RADIO OF AMERICA CORP
Inventor(s): (std): MAX KNOLL

12) Family number: 55025143 (CA2773657C) PatBase

Title: FLYING INSECT TRAP

Abstract: A device for attracting, capturing or disabling insects includes an impeller mechanism arranged to provide an outflow of air out of the device to the atmosphere and to draw an inflow directed countering the outflow from the atmosphere into the device; the outflow being substantially within the inflow creating a vacuum. The device stands upright adapted to position the device with outflow ports directed in a downward direction at the lower area of the device. The upper area of the device has a spacer plate below which is an intake screened upper entrance plate having an open screened area with an insect attractant bait repository tray and a lower containment chamber with a screened floor that serves to capture and retain the baited insects. Located between the aforementioned chambers is a spring loaded check valve port opening that functions in concert with the on and off inflow of a vacuum. The inflow vacuum is created by an impeller driven by a battery powered motor combined with an activating timer switch. The outflow ports are located on the sidewall of the device below the impeller.

Classifications:
International (IPC 8-9): A01M1/02 A01M1/06 (Advanced/Invention)
CPC: A01M1/02 A01M1/06



Family:

Publication number	Publication date	Application number	Application date
CA2773657 AA	20131023	CA20122773657	20120423
CA2773657 C	20170905	CA20122773657	20120423

Priority:

CA20122773657 20120423

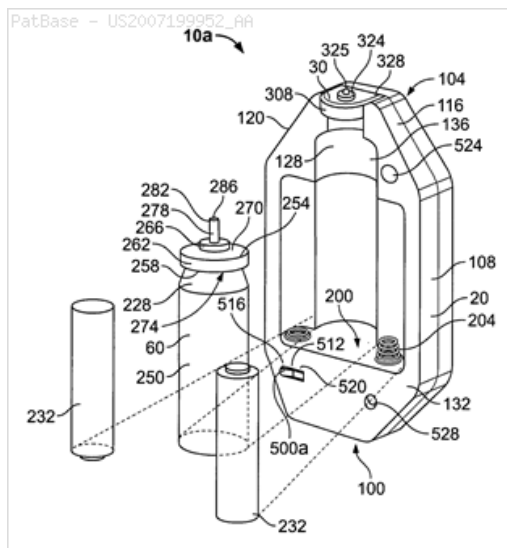
Probable Assignee: OTTERSON RANDALL FREDERICK
Assignee(s): (std): OTTERSON RANDALL FREDERICK
Inventor(s): (std): OTTERSON RANDALL FREDERICK

13) Family number: 43693152 (US2007199952A) PatBase

Title: COMPACT SPRAY DEVICE

Abstract: An automatic discharge device includes a housing having a top portion and a base portion, wherein surfaces defining a recess are provided therebetween for securely holding a container. At least one gear is disposed substantially between the recess and a rear panel of the housing. A drive motor is in association with the at least one gear. An actuator arm is also provided. Activation of the drive motor and the at least one gear provides for movement of the actuator arm between at least one of a pre-actuation position and a discharge position along a path that has a directional component parallel to a longitudinal axis of the recess.

Classifications:
International (IPC 8-9): A01G27/00 B67D1/00 B67D3/00 B67D5/08 B67D7/08 G04C1/12 G04C23/42 (Advanced/Invention); B67D3/00 B67D7/08 G04C23/00 (Core/Invention)
CPC: A61L9/14 B05B11/3053 B05B12/02 B05B12/12 B05B12/122 B65D83/262 B65D83/267
European: A61L9/14 B05B12/02 B05B12/12B B65D83/26B L05B11/30H3B
US: 222/504 222/52 222/52P 222/646 222/649 239/337 239/70



Family:

Publication number	Publication date	Application number	Application date
US2007199952 AA	20070830	US20070725402	20070319
US8061562 BB	20111122	US20070725402	20070319

Priority:

US20040617950P 20041012 US20050247793 20051011 US20070725402 20070319

Probable Assignee: SC JOHNSON AND SON INC

Assignee(s): (std): FURNER PAUL E ; GASPER THOMAS P ; JOHNSON AND SON INC S C ; SHORT MICHAEL E ; MICHAELS KENNETH W ; KUBICEK CHRIS A ; SIPINSKI GENE ; MADSEN BRENT D ; WESTPHAL NATHAN R ; LEMON LEON M ; NELSON CORY J ; CARPENTER M S ; CARPENTER M SCOTT

Assignee(s): DIGITAL SYSTEMS ENGINEERING ; PRODUCT DEVELOPMENT RESOURCES ; SC JOHNSON AND SON INC ; S C JOHNSON AND SON INC

Inventor(s): (std): SHORT MICHAEL E ; MICHAELS KENNETH W ; CARPENTER M S ; KUBICEK CHRIS A ; SIPINSKI GENE ; MADSEN BRENT D ; FURNER PAUL E ; WESTPHAL NATHAN R ; GASPER THOMAS P ; LEMON LEON M ; NELSON CORY J ; CARPENTER M SCOTT

Inventor(s): WESTPHAL NATHAN ; MICHAELS KENNETH ; KUBICEK CHRIS ; SHORT MICHAEL ; CARPENTER M ; NELSON CORY ; LEMON LEON ; FURNER PAUL ; GASPER THOMAS ; MADSEN BRENT

Agent(s): SC JOHNSON AND SON INC

14) Family number: 54024157 (ZA201404582A)

© PatBase

Title: APPARATUS AND METHOD FOR REDUCING POPULATIONS OF MOSQUITOES AND THE LIKE

Abstract: The apparatus has a drainable basin for retaining a liquid, typically water, preferably augmented by insect attractant(s). The basin has a drain at a lower portion thereof, with a valve to open or close the drain. The drain leads to a filter which removes eggs and larvae from the liquid when the basin is drained by opening the valve. The liquid passing through the filter is collected in a reservoir, from which the filtered liquid may be pumped back up to refill the basin. The apparatus preferably may use a variety of standard containers, the container then acting as the reservoir. Preferably, one or more insect attractant means are employed, including various chemical attractants and light, as well as natural attractants. Vents from the reservoir release attractants concentrated in the reservoir, into the area of the basin. The basin is then drained through the filter into the reservoir.

Classifications:

International (IPC 8-9): A01K67/033 A01M A01M1/00 A01M1/02 A01M1/10 A01M5/02 (Advanced/Invention)

CPC: A01K67/033 A01M1/02 A01M1/106 A01M5/02 Y02A50/371

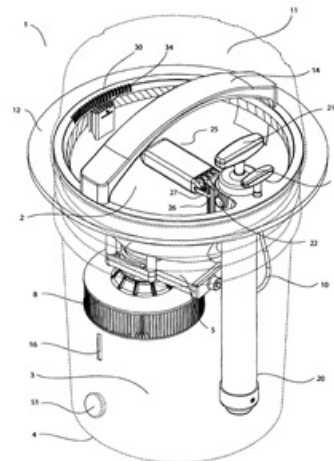


FIGURE 1

Family:

Publication number	Publication date	Application number	Application date
AU2012350104 AA	20130613	AU20120350104	20121206
AU2012350104 BB	20180510	AU20120350104	20121206
CA2760919 AA	20130606	CA20112760919	20111206
CA2760919 C	20190115	CA20112760919	20111206
GB201411626 A0	20140813	GB20140011626	20121206
GB2515406 A1	20141224	GB20140011626	20121206
GB2515406 B2	20171115	GB20140011626	20121206
WO13082700 A1	20130613	WO2012CA01119	20121206
ZA201404582 A	20151125	ZA20140004582	20140623

Priority:

CA20112760919 20111206 WO2012CA01119 20121206

Probable Assignee: MAXTECH MOSQUITO CONTROL INC**Assignee(s):** (std): HOLLAND KRISTIAN J K ; KAPUR ASHWANI ; MACKAY TIM ; MAXTECH MOSQUITO CONTROL INC ; MAXTECH MOSQUITO CONTROL INC ; ULIBARRI GERARDO**Inventor(s):** (std): KAPUR ASHWANI ; ULIBARRI GERARDO ; HOLLAND KRISTIAN J K ; MACKAY TIM ; VASUDEVA KAILASH C ; GERARDO ULIBARRI ; ASHWANI KAPUR ; KAILASH C VASUDEVA ; TIM MACKAY ; KRISTIAN J K HOLLAND**Agent(s):** DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; BROWN CHRISTOPHER D 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 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 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**15) Family number: 41633181 (US2010136113A)**

© PatBase

Title: PHYTASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: This invention relates to phytases, polynucleotides encoding them, uses of the polynucleotides and polypeptides of the invention, as well as the production and isolation of such polynucleotides and polypeptides. In particular, the invention provides polypeptides having phytase activity under high temperature conditions, and phytases that retain activity after exposure to high temperatures. The phytases of the invention can be thermotolerant and/or thermostable at low temperatures, in addition to higher temperatures. The phytases of the invention can be used in foodstuffs to improve the feeding value of phytate rich ingredients. The phytases of the invention can be formulated as foods or feeds or supplements for either to, e.g., aid in the digestion of phytate. The foods or feeds of the invention can be in the form of pellets, liquids, powders and the like. In one aspect, phytases of the invention are stable against thermal denaturation during pelleting; and this decreases the cost of the phytase product while maintaining in vivo efficacy and detection of activity in feed.

Classifications:

International (IPC 8-9): A01H5/00 A01H5/10 A01K67/027
A01N63/00 A21D13/00 A23C9/12 A23G4/00 A23J3/14 A23J3/16
A23K1/16 A23K1/165 A23K1/18 A23K20/189 A23L1/00 A23L1/10
A23L1/164 A23L1/18 A23L1/20 A23L1/29 A23L1/30 A23L1/305
A23L2/38 A23L2/52 A23L33/18 A61K38/46 A61K48/00 A61K9/00
A61K9/20 A61P19/10 A61P43/00 C07H21/00 C07H21/02 C07H21/04
C07K16/00 C07K16/40 C07K17/00 C07K19/00 C11B3/00 C11B3/02
C11C1/00 C11C3/00 C12N1/15 C12N1/19 C12N1/21 C12N11/00
C12N11/08 C12N11/14 C12N11/16 C12N15/00 C12N15/09
C12N15/10 C12N15/11 C12N15/55 C12N15/63 C12N15/74
C12N15/82 C12N5/00 C12N5/02 C12N5/04 C12N5/10 C12N9/16
C12N9/96 C12P1/00 C12P21/00 C12P21/06 C12P3/00 C12P7/02

The flowchart illustrates the production of ethanol from corn. The process begins with 'Whole Corn' being ground by a 'Hammer Mill' into 'Water Sources Slurry Tare'. This slurry is then cooked in a 'Jet Cooker'. The resulting mixture undergoes 'Liquefaction' and is then treated with 'Enzymes' for 'Mash Cooking'. 'Yeast' is added to the mash, which then undergoes 'Fermentation', releasing 'CO₂' and producing 'Beer'. The 'Beer' is then processed by a 'Distillation System' to yield '190 Proof Ethanol'. This ethanol is further refined into '200 Proof Ethanol' and '5% Gasoline'. The '200 Proof Ethanol' is also used in the production of 'Molecular Sieves'. The 'Molecular Sieves' are used to produce '200 Proof Ethanol' and '5% Gasoline'. The '200 Proof Ethanol' is then used to produce 'COGS Final Product'. The 'COGS Final Product' is then used to produce 'Synup', which is then used to produce 'Condensate'. The 'Condensate' is then used to produce 'Evaporators', which are used to produce 'Thin Sillage'. The 'Thin Sillage' is then used to produce 'Centrifuge', which is used to produce 'Whole Sillage'. The 'Whole Sillage' is then used to produce 'Wet Grain', which is then used to produce 'Drum Dryer'. The 'Drum Dryer' is used to produce 'COGS Final Product'.

EP2617818 A3	20131016	EP20130164202	20070921
EP2617818 B1	20160323	EP20130164202	20070921
EP2617819 A2	20130724	EP20130164284	20070921
EP2617819 A3	20131016	EP20130164284	20070921
EP2617819 B1	20160427	EP20130164284	20070921
EP2617820 A2	20130724	EP20130164324	20070921
EP2617820 A3	20131016	EP20130164324	20070921
EP2617820 B1	20160323	EP20130164324	20070921
EP2617821 A2	20130724	EP20130164354	20070921
EP2617821 A3	20131016	EP20130164354	20070921
EP2617821 B1	20160323	EP20130164354	20070921
EP2617822 A2	20130724	EP20130164374	20070921
EP2617822 A3	20131016	EP20130164374	20070921
EP2617823 A2	20130724	EP20130164378	20070921
EP2617823 A3	20130918	EP20130164378	20070921
EP2617823 B1	20150701	EP20130164378	20070921
EP2620495 A2	20130731	EP20130164255	20070921
EP2620495 A3	20131016	EP20130164255	20070921
EP2620495 B1	20160309	EP20130164255	20070921
ES2438268 T3	20140116	ES20070842987T	20070921
ES2531135 T3	20150311	ES20110181439T	20070921
ES2548776 T3	20151020	ES20130164378T	20070921
HU025544 T2	20160229	HU20130164378T	20070921
HU029140 T2	20170228	HU20130164202T	20070921
IN00993KN2009 A	20090522	IN2009KN00993	20090316
IN298746 B	20180713	IN2009KN00993	20090316
JP2010539888 T2	20101224	JP20090529415T	20070921
JP5307013 B2	20131002	JP20090529415T	20070921
MX2009003032 A1	20091118	MX20090003032	20070921
NZ575633 A	20120224	NZ20070575633	20070921
PT2057178 T	20140115	PT20070842987T	20070921
PT2397486 T	20150323	PT20110181439T	20070921
PT2617823 T	20151123	PT20070164378T	20070921
US2010136113 AA	20100603	US20070442207	20070921
US2014017750 AA	20140116	US20130032578	20130920
US2015132383 AA	20150514	US20140504849	20141002
US8877478 BB	20141104	US20070442207	20070921
US8936924 BB	20150120	US20130032578	20130920
US10196617 BB	20190205	US20140504849	20141002
WO08036916 A2	20080327	WO2007US79187	20070921
WO08036916 A3	20081127	WO2007US79187	20070921
ZA200901875 A	20130529	ZA20090001875	20070921

Priority:

US20060846831P	20060921	AU20070299612	20070921	CN200780043087	20070921
EP20070842987	20070921	EP20130163829	20070921	EP20130164079	20070921
EP20130164100	20070921	EP20130164137	20070921	EP20110181439	20070921
US20070442207	20070921	EP20130164378	20070921	EP20130164284	20070921
EP20130164354	20070921	EP20130164207	20070921	EP20130164255	20070921
EP20130164210	20070921	EP20130164202	20070921	EP20130164324	20070921
WO2007US79187	20070921	US20100442207	20100212	AU20130204086	20130408
US20130032578	20130920	US20140504849	20141002		

Probable Assignee: BASF SE

Assignee(s): (std): BASF SE ; FREY GERHARD ; EL FARRAH FATIMA ; TODARO TOM ; KLINE KATIE ; SOLBAK ARNE ; STEER BRIAN ; DYCAICO MARK ; TREFZER AXEL ; ALVARADO ALBERTO ; BASF ENZYMES LLC ; TODARO TOMAS ; KLINE KATIE A ; TODARO THOMAS ; VERENIUM CORP

Assignee(s): VERENIUM CORP SAN DIEGO ; BASF ENZYMES LLC SAN DIEGO ; ATHYRIUM OPPORTUNITIES FUND A LP ; BASF ENZYME S LLC ; COMERICA BANK A TEXAS BANKING ASSOCIATION

Inventor(s): (std): ALVAREDO ALBERTO ; AXEL TREFZER ; ALBERTO ALVARADO ; ARNE SOLBAK ; TOM TODARO ; BRIAN STEER ; KATIE KLINE ; MARK DYCAICO ; GERHARD FREY ; SOLBAK ARNE I ; TREFZER AXEL ; DYCAICO MARK ; STEER BRIAN ; SOLBAK ARNE ; KLINE KATIE ; TODARO TOM ; EL FARRAH FATIMA ; ALVARADO ALBERTO ; FREY GERHARD ; TODARO TOMAS ; KLINE KATIE A ; TODARO THOMAS

Inventor(s): FATIMA EL FARRAH ; ARNE I SOLBAK ; EL FARRAH FATIMA CARDIFF ; STEER BRIAN SAN DIEGO ; ALVARADO ALBERTO SAN DIEGO ; FREY GERHARD SAN DIEGO ; DYCAICO MARK SAN DIEGO ; KLINE KATIE SAN DIEGO ; TODARO TOM SAN DIEGO ; EL FARRAH FATIMA SAN DIEGO ; SOLBAK ARNE SAN DIEGO

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; ROBIC; KUHNEN AND WACKER PATENT U RECHTSANWALTSBUERO; WAKERLEY HELEN RACHAEL ET AL; WAKERLEY HELEN RACHAEL; UNGRIA JAVIER; ISERN JORGE; VERENIUM INTELLECTUAL PROPERTY DEPARTMENT CORP; VERENIUM CORP; BRIAN W; KNOBBE MARTENS OLSON AND BEAR LLP; EINHORN GREGORY P ET AL

Designated states: AE AG AL AM 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 LI 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

16) Family number: 30111215 (US2001040122A)

© PatBase

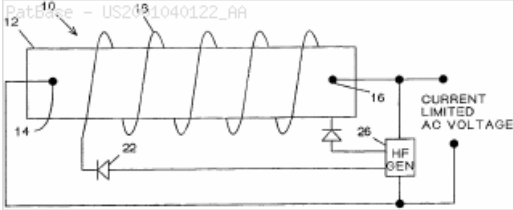
Title: ASSEMBLY FOR PURIFYING WATER

Abstract: An assembly for purifying water, the assembly consisting of a tube for carrying the water, the tube for carrying

water having an upstream and a downstream end; a high intensity ultra-violet light or corona discharge ozone generator for introducing ozone into said tube for carrying water at an ozone introduction point within said tube; an ozone contact time tube segment situated between the ozone introduction point and the downstream end of the tube for carrying water; a bubble separator column having a water input port and a water output port, the downstream end of the tube for carrying water being positioned so that water emitting therefrom may pass through the water input port; and a water level sensitive electrically actuated valve for alternating collection of water within and discharging water from the bubble separator column.

Classifications:

International (IPC 8-9): A01M29/12 A61H33/00 A61H33/14 A61L2/10 A61L2/20 A61L9/00 A61L9/015 A61L9/12 A61L9/20 A62B25/00 A62B7/08 B01F5/00 B01F5/04 B01J19/08 C01B13/10 C01B13/11 C02F1/32 C02F1/46 C02F1/461 C02F1/76 C02F1/78 C02F9/04 C02F9/06 C02F9/12 E04H4/12 E04H4/16 G01N33/00 (Advanced/Invention); B01F3/04 (Advanced/Non-invention); A61H33/00 A61L2/10 A61L2/20 A61L9/015 A61L9/18 A62B25/00 B01F5/04 B01J19/08 C01B13/10 C01B13/11 C02F1/32 C02F1/46 C02F1/461 C02F1/78 C02F9/00 C02F9/08 E04H4/00 (Core/Invention); B01F3/04 (Core/Non-invention)



International (IPC 1-7): A61H33/02 A61H33/14 A61L9/20 B01D1/00 B01J19/08 C02F1/30 C02F1/32 C02F1/78 F17D1/00
CPC: A01M29/12 A61L9/122 F25C2400/10 F25D17/042 F25D27/00 F25D2317/0416 F25D2317/061 F25D2323/121 F25D2323/122 A61L2/10 A61L2/202 A61H33/14 A61H2033/141 C02F1/008 A61H2033/0037 A61H2033/143 A61H2201/5058 A61H2201/5082 C02F2209/005 Y10S261/42 B01F3/04503 B01F5/0476 B01F5/0485 B01F5/106 C02F2201/004 C02F1/006 C02F1/20 C02F1/32 C02F2301/024 C02F2303/18 C02F9/00 A61H33/02 A61H33/601 A61H33/606 E04H4/1209 C02F1/4674 C02F2301/046 E04H4/1281 A61H33/0087 A61H33/005 A61H2033/002 A61H2201/102 C01B2201/22 C02F1/325 C02F2103/42 C02F2201/3223 C02F2201/328 C02F2201/782 C02F2303/04 A61L2209/111 A61L2209/14 Y10T436/206664 B01F3/04099 B01F2003/04886 Y10T137/0379 Y10T137/2202 Y10T137/87587 Y10T137/87611 B01F1/0033 B01F3/0865 B01F5/0428 B01F5/0606 B01F5/0608 Y10T137/87595 C02F2301/026 C02F2301/043 C02F1/78 A62B23/00 A61L9/015 A61L9/20 A62B17/006 A62B17/04 B01D53/38 B01D53/86 B01D2251/104 B01D2253/102 B01D2257/504 B01D2257/91 B01D2259/4541 B01D2259/4558 B01D2259/4566 B01D2259/4583 B01D2259/804 C01B13/10 C01B13/11 C01B2201/82 Y02P20/152 B01F2005/044 C02F1/001 C02F1/461
European: A01M29/12 A61H33/00N A61H33/14 A61L2/10 A61L2/20C A61L9/015 A61L9/12F A61L9/20 A62B23/00 B01D53/38 B01F1/00F2B B01F3/08F1 B01F5/04C12 B01F5/04C12S4 B01F5/06B2D2 B01F5/06B2D6 C01B13/10 C01B13/11 C02F1/00R C02F1/32D C02F1/467B2 C02F1/78 E04H4/12A E04H4/12B F25D17/04A F25D27/00 H05B3/00L K61H201/10A K61H201/50S K61H201/50S14 K61H33/00A4D K61H33/00A5 K61H33/00E K61H33/14A1 K61H33/14A2 K61L209/111 K61L209/140 K62B17/00H K62B17/04 L01D251/104 L01D253/102 L01D257/504 L01D257/91 L01D259/45P L01D259/45T2 L01D259/45V L01D259/45W L01D259/804 L01D53/86 L01F3/04C L01F3/04C20B4E M01B201/22 M01B201/82 M02F1/00T M02F1/20 M02F1/32 M02F1/467B2 M02F103/42 M02F201/322E M02F201/328 M02F201/782 M02F209/00T M02F301/02D M02F301/04D M02F303/04 M02F303/18 M02F9/00 R25C400/10 R25D317/0416 R25D317/061 R25D323/121 R25D323/122
US: 128/205.28 137/12 137/829 137/888 137/889 137/891 204/660 205/701 205/742 205/756 210/120 210/123 210/143 210/167 210/167.1 210/167.11 210/167.12 210/169 210/188 210/192 210/198.1 210/202 210/205 210/206 210/218 210/232 210/242.1 210/259 210/260 210/416.1 210/416.2 210/739 210/748.2 210/749 210/754 210/760 210/97 250/436 250/437 250/438 261/108 261/121.1 261/79.2 261/792 261/DIG.42 4/507 4/541.1 4/541.2 422/120 422/121 422/186.03 422/186.07 422/186.070S 422/186.12 422/186.15 422/186.3 422/186.300S 422/24 422/4 436/135 96/168 96/224 96/250 D23/208

Family:

Publication number	Publication date	Application number	Application date
US2001040122 AA	20011115	US19990418915	19991015
US2001042708 AA	20011122	US20000752982	20001231
US2002023866 AA	20020228	US20010794601	20010227
US6192911 BA	20010227	US19990393437	19990910
US6342154 BB	20020129	US19990418915	19991015
US6405387 BA	20020618	US20000520504	20000308
US6426053 BA	20020730	US20000717904	20001120
US6428756 BA	20020806	US20000717903	20001120
US6623635 BB	20030923	US20000752982	20001231
US6723233 BA	20040420	US20020061752	20020201
US6881331 BA	20050419	US20030636071	20030807
US6893610 BA	20050517	US19980197036	19981121
US6951633 BA	20051004	US20020208897	20020730
US6967008 BA	20051122	US20020176299	20020620
US7060180 BA	20060613	US20040827708	20040420
US7135108 BA	20061114	US20030668504	20030923
US7186334 BA	20070306	US20030701310	20031104
US7329343 BA	20080212	US20050137890	20050526
US7604735 BA	20091020	US20070714411	20070306
US7658891 BA	20100209	US20040923906	20040823
US7875173 BA	20110125	US20060406639	20060419
US7883622 BA	20110208	US20070906403	20071002
US8048370 BA	20111101	US20070980019	20071030
US8061387 BA	20111122	US20070981416	20071031
US8075784 BA	20111213	US20110931707	20110208
US8323511 BA	20121204	US20110324958	20111213
US8414839 BA	20130409	US20110931008	20110121
US8491775 BA	20130723	US20070980950	20071031
USD493509 S1	20040727	US20020165635F	20020814

Priority:

US19970066119P	19971121	US19980197036	19981121	US19990393437	19990910
US19990418915	19991015	US19990166254P	19991118	US19990166255P	19991118
US20000520504	20000308	US20000717904	20001110	US20000717903	20001120
US20000717904	20001120	US20000752982	20001231	US20010794601	20010227
US20020061752F	20020201	US20020061752	20020201	US20020176299	20020620
US20020392863P	20020701	US20020208897	20020730	US20020165635F	20020814
US20030611146	20030701	US20030636071	20030807	US20030668504	20030923
US20030701310	20031104	US20040827708	20040420	US20040867860	20040615
US20040923906	20040823	US20040633107P	20041203	US20040640957P	20041231
US20050034115	20050112	US20050650293P	20050204	US20050137890	20050526
US20050165953	20050624	US20050190186	20050726	US20050284290	20051121
US20050305975	20051219	US20060406639	20060419	US20070714411	20070306
US20070906403	20071002	US20070980019	20071030	US20070981416	20071031
US20070980950	20071031	US20110931008	20110121	US20110931707	20110208
US20110324958	20111213				

Probable Assignee: MINTEQ UK LTD
Assignee(s): (std): BARNES RONALD ; BARNES RONALD L
Assignee(s): MINTEQ UK LTD ; SAPPI NETHERLANDS SERVICES BV
Inventor(s): (std): BARNES RONALD L ; BARNES RONALD
Agent(s): CLODFELTER MARK; MARK; KENYON AND KENYON; STEVEN M

17) Family number: 47634222 (US2010287816A)

© PatBase

Title: INSECT TRAP

Abstract: A flying insect trap uses one or more attractants desirable to a particular insect, such as many species of mosquitoes. The insect trap uses a carbonic compound and an acid to produce carbon dioxide with water vapor thereby also providing some airborne acid. The chemicals are combined in a liquid trap to which airflow is directed. A fan or other airflow generator provides the wind. The device has an intake port and an exhaust vent. The intake port may be positioned directly above the exhaust vent. A light, such as a light emitting diode (LED) is positioned near the intake port. This illuminates the intake port, the light being another mosquito attractant. The color of the light may be a variety of colors such as blue or green but may also be white. A second trap in the form of a glue trap may also be used. This trap may include a sticky surface where airflow is also directed. The liquid trap provides an acidic and watery capture for the vacuumed insects and the glue trap is the second trap. Those that happen to avoid both traps are run through the fan. Exhausted gasses of carbon dioxide, one or more of specific acids and water vapor exhaust near the intake to lure mosquitoes to the area. The light and wind are also attractants. The mosquitoes are then drawn into the intake port by the wind from the fan and directed toward one or more of the traps.

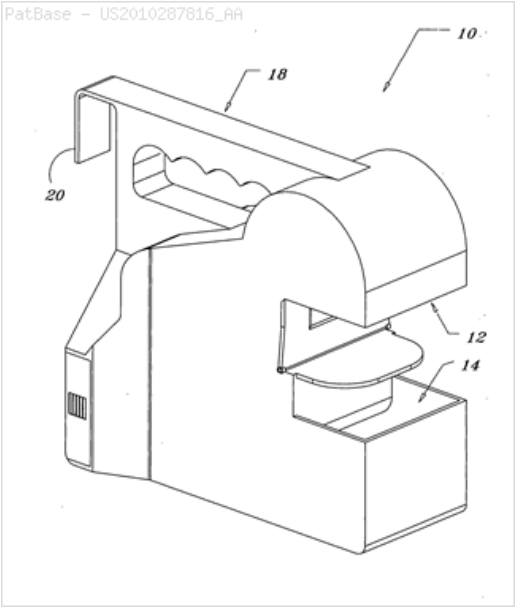
Classifications:

International (IPC 8-9): A01M1/02 A01M1/04 A01M1/08 A01M1/10 A01M1/14 (Advanced/Invention)

CPC: Y02A50/371 A01M1/023 A01M1/08 A01M1/145 A01M3/005

European: A01M1/02C A01M1/08 A01M1/14B A01M3/00G

US: 43/107 43/107S 43/113 43/113P 43/114 43/114S 43/139 43/139S



Family:

Publication number	Publication date	Application number	Application date
US2010287816 AA	20101118	US20090454462	20090518

Priority:

US20090454462 20090518

Probable Assignee: ABELBECK PARTNERS LTD
Assignee(s): (std): ABELBECK PARTNERS LTD
Inventor(s): (std): ABELBECK KEVIN G
Agent(s): KEVIN ABELBECK

18) Family number: 15297224 (US6640489B)

© PatBase

Title: Collection and disposal device

Abstract: A device is provided for the collection and disposal of insects and similarly sized detrital objects. The device includes an air inlet end through which air can be entrained, and an air outlet from which said entrained air is expelled. The device also includes a hollow duct portion through which entrained air passes and a filter means provided between the inlet and the outlet which prevent insects from being expelled through the outlet. Means are provided to create a pressure differential between the air inlet and air outlet of the device, such that air is entrained in the inlet and drawn through the duct portion of the device towards the outlet, additionally passing through the filter. The pressure differential is sufficient to entrain air, insects and/or detritus into the duct portion and the air path defined through the device is substantially unhindered so that entrained insects and detritus can escape from the device along the same path by which they were entrained ultimately exiting from the inlet end of the duct when the pressure differential is reduced, eliminated or reserved.

Classifications:

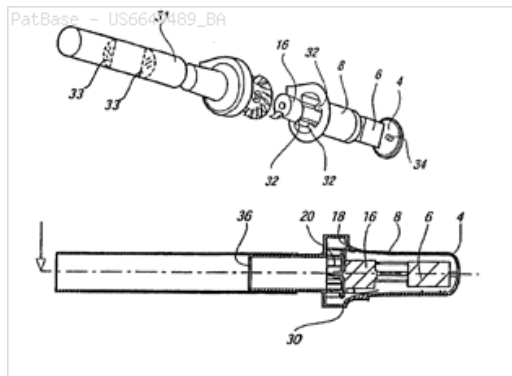
International (IPC 8-9): A01M1/06 A01M5/08 (Advanced/Invention); A01M1/00 A01M5/00 (Core/Invention)

International (IPC 1-7): A01M1/06 A01M5/08

CPC: A01M1/06 A01M5/08 A01M2200/011 A01M2200/012

European: A01M1/06 A01M5/08 K01M200/011 K01M200/012 K01M201/01 K01M201/02

US: 43/139 431/390



Family:

Publication number	Publication date	Application number	Application date
AT289163 E	20050315	AT20000954704T	20000818
AU200067065 A1	20010319	AU20000067065	20000818
AU200067065 A5	20010319	AU20000067065	20000818
AU758795 B2	20030327	AU20000067065	20000818
CA2382011 AA	20020214	CA20002382011	20000818
DE60018190 D1	20050324	DE20006018190	20000818
EP1207752 A1	20020529	EP20000954704	20000818
EP1207752 B1	20050216	EP20000954704	20000818
GB9919607 A0	19991020	GB19990019607	19990819
JP2003507045 T2	20030225	JP20010517871T	20000818
US6640489 BA	20031104	US20020069254	20020311
WO0113717 A1	20010301	WO2000GB03167	20000818

Priority:

GB19990019607 19990819 WO2000GB03167 20000818

Probable Assignee: BUG BUSTER LTD

Assignee(s): (std): BOULTON DAVID ; BUG BUSTER LTD

Assignee(s): BUG BUSTER LTD WICKERSLEY ; BUG BUSTER LIMITED

Inventor(s): (std): BOULTON DAVID ; DAVID BOULTON

Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; MADDERNS PTY LTD; MADDERNS; C BRIAN BARLOW AND ASSOCIATES; RIDOUT AND MAYBEE LLP; EICHI PATENT AND TRADEMARK CORP

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 CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

19) Family number: 58180226 (US2015004679A)

© PatBase

Title: CAGE RACK MONITORING APPARATUS AND METHODS

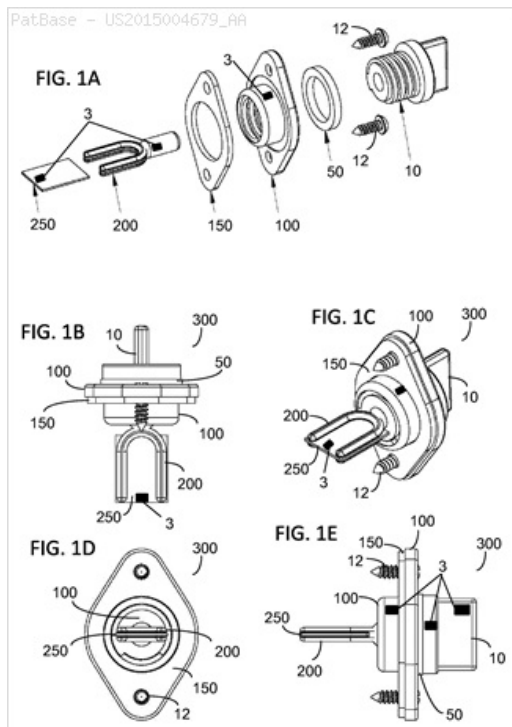
Abstract: Methods, devices, apparatuses and systems for monitoring the presence or absence of a contaminant and/or a contaminant sampling element, or portion thereof, in an animal rack.

Classifications:

International (IPC 8-9): A01K1/03 A01K1/035 C12Q1/68 (Advanced/Invention)

CPC: A01K1/031 G01N1/2202 G01N2001/2223

US: 435/287.2



Family:

Publication number	Publication date	Application number	Application date
CA2916310 AA	20151218	CA20142916310	20140627
EP3016509 A1	20160511	EP20140819324	20140627
EP3016509 A4	20170315	EP20140819324	20140627
US2015004679 AA	20150101	US20140317838	20140627
WO15002843 A1	20150108	WO2014US44668	20140627

Priority:

US20130841731P 20130701 US20140317838 20140627 WO2014US44668 20140627

Probable Assignee: INNOVIVE INC

Assignee(s): (std): INNOVIVE INC

Assignee(s): SPIVEY CORY J ; CONGER DEE L

Inventor(s): (std): CONGER DEE L ; SPIVEY CORY J

Agent(s): SMART AND BIGGAR; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB;
SILVERSTEIN GARY 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 LI 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

20) Family number: 33005230 (US2006106146A)

© PatBase

Title: POLYESTER POLYMER AND COPOLYMER COMPOSITIONS CONTAINING TITANIUM NITRIDE PARTICLES

Abstract: Polyester compositions are disclosed that include polyester polymers or copolymers having incorporated therein titanium nitride particles that provide one or more of the following advantages: improving the reheat properties of the compositions, improving the color of the compositions through reduced yellowness, and improving the UV-blocking properties of the compositions. Processes for making such compositions are also disclosed. The titanium nitride particles may be incorporated in the polyester by melt compounding, or may be added at any stage of the polymerization, such as during the melt-phase of the polymerization. A range of particle sizes may be used, as well as a range of particle size distributions. The polyester compositions are suitable for use in packaging made from processes in which a reheat step is desirable, or decreased yellowness is desired, or increased resistance to the effects of ultraviolet light is desired, or any combination of the foregoing.

Classifications:

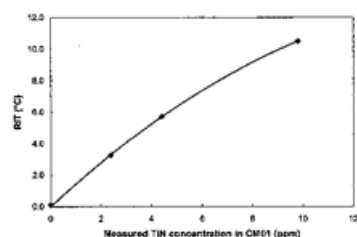
International (IPC 8-9): A01M1/02 A01M1/08 A01M1/20 C08J3/20 C08J5/00 C08K3/00 C08K3/10 C08K3/14 C08K3/22 C08K3/28 C08K7/24 C08L67/00 C08L67/02 G06F15/16 G06F17/21 G06F17/30 G06N3/00 G11B27/031 G11B27/11 G11B27/34 H04N5/44 (Advanced/Invention);
C08J3/20 C08K3/22 C08K3/28 C08K7/24 (Advanced/Non-invention);
A01M1/02 A01M1/08 A01M1/20 C08J3/20 C08K3/00 C08K7/00 C08L67/00 G06F15/16 G06F17/21 H04N5/44 (Core/Invention)
International (IPC 1-7): C08K3/00 C08K3/22 C08K3/28
CPC: A01M1/023 A01M1/08 A01M2200/012 G11B27/105 G11B2220/65 Y10T428/1321 Y10T428/1359 G11B27/031 G11B27/11 G11B2220/61 G06F3/0482 G06F3/04817 G06F3/04847 G06F3/0486 G06F3/162 G06F3/165 G11B27/34 C08K3/28 G06F16/4387 G06F16/44 C08J3/20 C08J5/00 C08K3/14 C08K7/24 C08K2003/0881 C08L67/02

European: A01M1/02C A01M1/08 C08K3/28 G06F17/30E4P G11B27/031 G11B27/10A1 G11B27/11 G11B27/34 K01M200/012 K01M201/02 S11B220/61 S11B220/65
US: 1/1 428/34.7 428/35.9 43/107 43/113 43/132.1 43/139 524/413 524/783 528/279 528/503 707/E17.009 707/E17.009S 709/219 709/219S 715/201 715/201S 715/500.1 715/716 715/716P 715/727 715/727P G9B/27.01 G9B/27.010S G9B/27.019 G9B/27.021 G9B/27.021S G9B/27.051

PatBase - US2006106146_AA

Patent Application Publication: May 18, 2006 Sheet 1 of 5 US 2006/0106146 A1

Fig.1

**Family:**

Publication number	Publication date	Application number	Application date
AR053779 AA	20070523	AR2005P104703	20051109
BRPI0517338 A	20081007	BR2005PI17338	20051027
CA2585142 AA	20070427	CA20052585142	20051027
CA2585142 C	20100525	CA20052585142	20051027
CA2694861 AA	20060512	CA20052694861	20051027
CA2694861 C	20130108	CA20052694861	20051027
CN101120045 A	20080206	CN200580046508	20051027
CN101120045 B	20111228	CN200580046508	20051027
EP1848761 A2	20071031	EP20050858671	20051027
EP2256156 A2	20101201	EP20100176450	20051027
EP2256156 A3	20110126	EP20100176450	20051027
IN03182DN2007 A	20070831	IN2007DN03182	20070427
IN260077 B	20140404	IN2007DN03182	20070427
JP2008519903 T2	20080612	JP20070548208T	20051027
KR101313507 B1	20131001	KR20077010747	20051027
KR20070105303 A	20071030	KR20077010747	20051027

MY139789 A	20091030	MY20050005309	20051111
MY146101 A	20120629	MY20090000872	20051111
TW200630421 A	20060901	TW20050139543	20051111
TWI392700 B	20130411	TW20050139543	20051111
US2006106146 AA	20060518	US20050228672	20050916
US2006156236 AA	20060713	US20050097591	20050401
US2006156239 AA	20060713	US20050097034	20050401
US2006218851 AA	20061005	US20050094341	20050330
US2007068068 AA	20070329	US20060588923	20061027
US2008153962 AA	20080626	US20080073244	20080303
US7368523 BB	20080506	US20050228672	20050916
US7958441 BB	20110607	US20050097591	20050401
US8039577 BB	20111018	US20080073244	20080303
US9412417 BB	20160809	US20050097034	20050401
WO07064312 A2	20070607	WO2005US38999	20051027
WO07064312 A3	20070927	WO2005US38999	20051027

Priority:

US20020118069 20020405	US20020198639 20020716	US20020277418 20021021
US20040833879 20040427	US20040833399 20040427	US20040973925 20041025
US20040988133 20041112	US20050642334P 20050107	US20050094341 20050330
US20050094034 20050330	US20050097591 20050401	US20050097034 20050401
US20050228672 20050916	CA20052585142 20051027	CA20052694861 20051027
EP20050858671 20051027	WO2005US38999 20051027	US20060588923 20061027
US20080073244 20080303		

Probable Assignee: GRUPO PETROTEMEX DE CV SA

Assignee(s): (std): EASTMAN CHEM CO ; STAFFORD STEVEN L ; SIMS SUSAN ; NELSON E C JR ; MULLER GUNTER ; APPLE INC ; COLHOUN FREDERICK L ; APPLE COMPUTER ; GRUPO PETROTEMEX DE CV SA ; GRUPO PETROTEMEX S A DE C V ; GRUPO PETROTEMEX SA DE CV ; HELLER DAVID ; JOBS STEVEN P ; ROBBIN JEFFREY L ; XIA ZHIYONG ; WEISS ROBERT W J ; WEISS ROBERT W

Assignee(s): STAFFORD STEVEN LEE ; APPLE COMPUTER INC ; COLHOUN FREDERICK LESLIE ; EASTMAN CHEMICAL CO ; EASTMAN CHEMICAL COMPANY ; INTERMATIC INC

Inventor(s): (std): XIA ZHIYONG ; STAFFORD STEVEN L ; SIMS SUSAN ; COLHOUN FREDERICK L ; HELLER DAVID ; ROBBIN JEFFREY L ; JOBS STEVEN P ; WASKO TIMOTHY ; MILLER JEFF ; WEISS ROBERT W J ; NELSON E C JR ; WEISS ROBERT W ; MULLER GUNTER ; STAFFORD STEVEN LEE ; COLHOUN FREDERICK LESLIE ; XIA ZHI YONG ; ZHIYONG XIA ; SUSAN SIMS

Inventor(s): NELSON E ; WEISS ROBERT ; ROBBIN JEFFREY ; JOBS STEVEN ; COLHOUN FREDERICK ; STAFFORD STEVEN ; STEVEN LEE STAFFORD ; FREDERICK LESLIE COLHOUN ; WEISS ROBERT WJ ; NELSON E COLE ; NELSON E CJR

Agent(s): GOWLING LAFLEUR HENDERSON LLP; BEST MICHAEL; AOKI ATSUSHI; ISHIDA TAKASHI; KOGA TETSUJI; MICHAEL K CARRIER EASTMAN CHEMICAL CO; BEYER WEAVER AND THOMAS LLP; BRINKS HOFER GILSON AND LIONE; EASTMAN CHEMICAL COMPANY; EASTMAN CHEMICAL CO; CARRIER MICHAEL K; GRAVES JR BERNARD J; MICHAEL K; BERNARD J; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT LLP; POLSINELLI LLP

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

21) Family number: 52872235 (US2013026181A)

© PatBase

Title: COMPACT SPRAY DEVICE

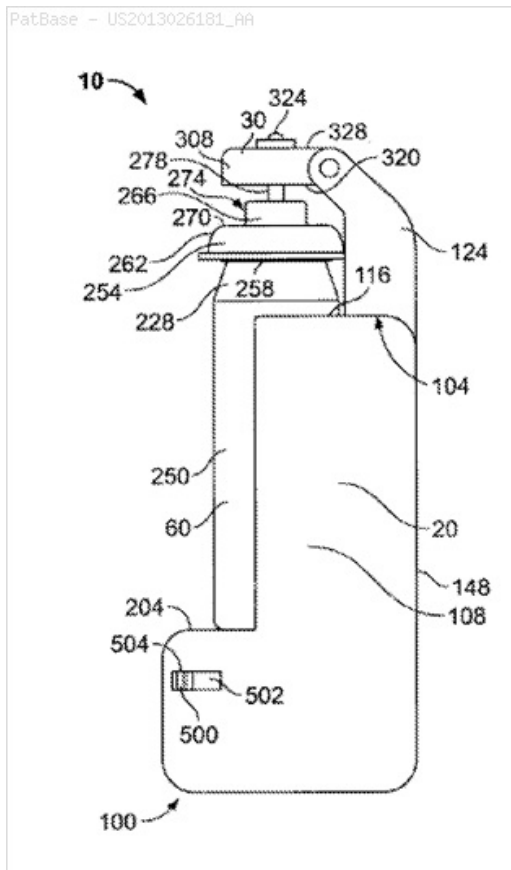
Abstract: An automatic discharge device includes a housing retaining two containers therein. An actuator arm is attached to the housing and movable between first and second positions. A drive unit is provided for automatically moving the actuator arm into one of the first and second positions in response to a signal from at least one of a timer, a sensor, and a manual switch. The movement of the actuator arm actuates a valve stem of one of the two containers in one of the first and second positions. The actuator arm is adapted to spray fluid disposed in an interior of the two containers.

Classifications:

International (IPC 8-9): A01G27/00 A61L9/14 B05B12/02 B05B12/12 B65D83/26 B67D1/00 B67D7/08 G04C1/12 (Advanced/Invention); B05B11/00 (Advanced/Non-invention)

CPC: A61L9/14 B05B11/3053 B05B12/02 B05B12/12 B05B12/122 B65D83/262 B65D83/267

US: 222/135 222/504 222/52 222/644 222/646 222/647 222/649 239/337 239/70

**Family:**

Publication number	Publication date	Application number	Application date
US2013026181 AA	20130131	US20120647272	20121008
US8887954 BB	20141118	US20120647272	20121008

Priority:

US20040617950P 20041012	US20050247793 20051011	US20070725402 20070319
US20110235192 20110916	US20120647272 20121008	

Probable Assignee: JOHNSON AND SON INC S C**Assignee(s):** (std): CARPENTER M SCOTT ; FURNER PAUL E ; GASPER THOMAS P ; JOHNSON AND SON INC S C ; KUBICEK CHRIS A ; WESTPHAL NATHAN R ; NELSON CORY J ; MADSEN BRENT D ; LEMON LEON M ; SIPINSKI GENE ; SHORT MICHAEL E ; MICHAELS KENNETH W**Assignee(s):** SC JOHNSON AND SON INC**Inventor(s):** (std): WESTPHAL NATHAN R ; KUBICEK CHRIS A ; CARPENTER M SCOTT ; NELSON CORY J ; MADSEN BRENT D ; LEMON LEON M ; GASPER THOMAS P ; SIPINSKI GENE ; FURNER PAUL E ; SHORT MICHAEL E ; MICHAELS KENNETH W**22) Family number: 75590264 (US2019259108A)**

© PatBase

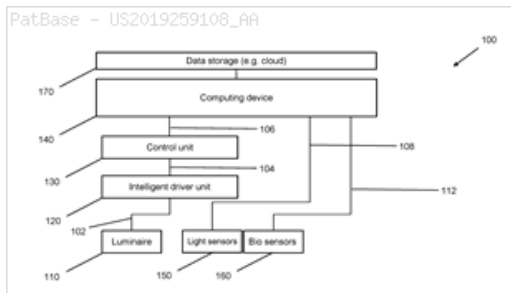
Title: CONTROLLED AGRICULTURAL SYSTEMS AND METHODS OF MANAGING AGRICULTURAL SYSTEMS

Abstract: The present disclosure relates to different techniques of controlling an agricultural system, as for example a controlled agricultural system, an agricultural light fixture and a method for agricultural management. Furthermore, the disclosure relates to an agricultural system, which comprises a plurality of processing lines for growing plants of a given plant type, wherein a first processing line in the plurality of processing lines is configured to move a first plurality of plants through the agricultural system along a route; and apply a first growth condition to the first plurality of plants to satisfy a first active agent parameter for the first plurality of plants.

Classifications:

International (IPC 8-9): A01B79/00 A01C21/00 A01G9/24 G05D25/02 G06Q50/02 (Advanced/Invention)

CPC: G06Q50/02 A01G9/247 A01C21/005 A01B79/005

**Family:**

Publication number	Publication date	Application number	Application date
DE102019201988 A1	20190822	DE201910201988	20190214
US2019259108 AA	20190822	US20190275476	20190214

Priority:

DE201810202552	20180220	DE201810204524	20180323	DE201810205193	20180406
DE201810205654	20180413	DE201810207877	20180518	DE201810208843	20180605
DE201810211810	20180716	DE201810212402	20180725	DE201810212752	20180731
DE201810213214	20180807	DE201810213632	20180813	DE201810214193	20180822
DE201810214676	20180829	DE201810214888	20180831	DE201810216800	20180928
DE201810217145	20181008	DE201810217664	20181015	DE201810217855	20181018
DE201810217830	20181018	DE201810217848	20181018	DE201810218004	20181022
DE201810218297	20181025	DE201810218295	20181025	DE201810218578	20181030
DE201810218779	20181105	DE201810219367	20181113	DE201810219883	20181120
DE201810219875	20181120	DE201810220493	20181128	DE201810220902	20181204
DE201810221544	20181212	DE201810221552	20181212		

Probable Assignee: OSRAM GMBH

Assignee(s): (std): OSRAM GMBH

Inventor(s): (std): BONGARTZ TIMO ; HAAS NORBERT ; BURZA MAREK ; OLSCHOWSKI SEBASTIAN ; MAGG NORBERT ; ANGENENDT GUIDO

23) Family number: 31420268 (US2004023966A)

© PatBase

Title: PYRIMIDINYLBENZIMIDAZOLE AND TRIAZINYLBENZIMIDAZOLE DERIVATIVES AND AGRICULTURAL/HORTICULTURAL FUNGICIDES

Abstract: A pyrimidinylbenzimidazole or triazinylbenzimidazole derivative represented by the general formula (I): wherein A is N or CR<3>, and R<1>, R<2>, R<3>, X, Y and n are as defined in the disclosure.

Classifications:

International (ipc 8-9): A01N43/52 A01N43/54 A01N43/58 A01N43/66 A01N47/44 A01P3/00 B01D17/02 B01D21/24 C07D239/42 C07D239/46 C07D239/48 C07D239/52 C07D251/42 C07D251/44 C07D251/46 C07D403/04 C07D409/04 E02B15/04 E02B15/10 (Advanced/Invention); A01P3/00 C07D403/04 E02B15/10 (Advanced/Non-invention); A01N43/00 A01N43/48 A01N43/64 A01N47/40 A01P3/00 B01D17/02 B01D21/24 C07D239/00 C07D251/00 C07D403/00 E02B15/04 (Core/Invention); A01N C07D E02B (Subclass/Invention)

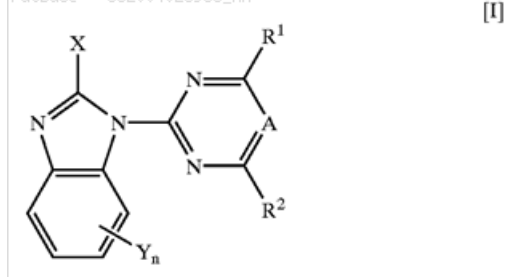
International (ipc 1-7): A01N43/52 A01N43/54 A01N43/56 A01N43/66 A01N47/44 A61K31/506 A61K31/513 A61K31/53 A61N43/52 C02F1/40 C0743/04 C07D239/42 C07D239/46 C07D239/52 C07D25/46 C07D251/42 C07D251/44 C07D251/46 C07D403/04 C07D409/04 E02B15/04 E02B15/10

CPC: A01N43/54 A01N43/66 C07D403/04 Y10S210/923 E02B15/106 B01D17/0214 B01D21/2433 Y02A20/204

European: A01N43/54 A01N43/66 B01D17/02F4 B01D21/24D C07D403/04 E02B15/10G

US: 210/242.3 210/776 210/923 514/241 514/245 514/269 514/269S 514/272 514/273 514/275 514/275S 544/197 544/206 544/207 544/209 544/212 544/212S 544/217 544/219 544/32 544/320 544/320S 544/321 544/328 544/328S 544/330 544/331

PatBase - US2004023966_AA



Family:

Publication number	Publication date	Application number	Application date
AT270362 E	20040715	AT19980951896T	19981028
AT305465 E	20051015	AT19990972212T	19991115
AU199897731 A1	19990517	AU19980097731	19981028
AU200011805 A1	20000605	AU20000011805	19991115
AU200011805 A5	20000605	AU20000011805	19991115
AU755538 B2	20021212	AU20000011805	19991115
AU757753 B2	20030306	AU19980097731	19981028
BRPI9915401 A	20010814	BR1999PI15401	19991115
BRPI9915401 B1	20110419	BR1999PI15401	19991115
CA2307124 AA	20000426	CA19982307124	19981028
CA2307124 C	20070619	CA19982307124	19981028
CA2350968 AA	20010516	CA19992350968	19991115
CA2350968 C	20081028	CA19992350968	19991115
CN1105214 C	20030409	CN19988010714	19981028
CN1243002 C	20060222	CN1998015488	19991115
CN1278312 A	20001227	CN19988010714	19981028
CN1333768 A	20020130	CN1998015488	19991115
CZ20011466 A3	20010912	CZ20010001466	19991115
DE69824878 D1	20040805	DE19986024878	19981028
DE69824878 T2	20050825	DE19986024878T	19981028
DE69927516 D1	20060209	DE19996027516	19991115
DE69927516 T2	20060316	DE19996027516T	19991115
DK1027502 T3	20041115	DK19980951896T	19981028
EE04969 B1	20080215	EE20000000191	19981028
EE2000000191 A	20011015	EE20000000191	19981028
EE4969 B1	20080215	EE20000000191	19981028
EP1027502 A1	20000816	EP19980951896	19981028
EP1027502 B1	20040630	EP19980951896	19981028
EP1132387 A1	20010912	EP19990972212	19991115
EP1132387 A4	20020605	EP19990972212	19991115
EP1132387 B1	20050928	EP19990972212	19991115
HU0004171 A2	20010328	HU20000004171	19981028
HU0004171 AB	20010328	HU20000004171	19981028
HU0004171 AC	20010428	HU20000004171	19981028
HU0104171 AB	20020228	HU20010004171	19991115
HU0104171 AC	20020429	HU20010004171	19991115
HU223433 B1	20040728	HU20000004171	19981028
IL143157 A0	20020421	IL19990143157	19991115

IL143157 A1	20101130	IL19990143157	19991115
JP2000212181 A2	20000802	JP19990322069	19991112
JP2000302780 A2	20001031	JP20000038498	20000216
JP2001521082 T2	20011106	JP20000518157T	19981028
JP3820337 B2	20060913	JP20000038498	20000216
JP4248141 B2	20090402	JP20000518157T	19981028
JP4535350 B2	20100901	JP19990322069	19991112
KR100590838 B1	20060619	KR20007004493	19981028
KR100631307 B1	20061004	KR20017005888	19991115
KR20010024569 A	20010326	KR20007004493	19981028
KR20010080976 A	20010825	KR20017005888	19991115
NO20002251 A	20000614	NO20000002251	20000428
NO20002251 A0	20000428	NO20000002251	20000428
NO20002251 L	20000614	NO20000002251	20000428
NZ511311 A	20021025	NZ19990511311	19991115
PL190177 B1	20051130	PL19980340079	19981028
PL194045 B1	20070430	PL19990347688	19991115
PL340079 A1	20010115	PL19980340079	19981028
PL347688 A1	20020422	PL19990347688	19991115
RU2000113191 A	20030820	RU20000113191	19981028
RU2001116600 A	20030910	RU20010116600	19991115
RU2219311 C2	20031220	RU20000113191	19981028
RU2222536 C2	20040127	RU20010116600	19991115
SE511618 C2	19991101	SE19970003955	19971029
SE513652 C2	20001016	SE19980003322	19980930
SE9703955 A	19990430	SE19970003955D	19971029
SE9703955 A0	19971029	SE19970003955	19971029
SE9703955 L	19990430	SE19970003955	19971029
SE9803322 A	19990430	SE19980003322D	19980930
SE9803322 A0	19980930	SE19980003322	19980930
SE9803322 L	19990430	SE19980003322	19980930
SK200100615 A5	20011203	SK20010000615	19991115
SK286264 B6	20080606	SK20010000615	19991115
TR200101381 T2	20020521	TR20010001381T	19991115
UA71584 C2	20010917	UA20010503135	19991115
UA71584 C2	20010917	UA20010053135	19991115
US2004023966 AA	20040205	US20030383693	20030310
US6458282 BA	20021001	US20000530263	20000428
US6576631 BA	20030610	US20010830578	20010508
US6872729 BB	20050329	US20030383693	20030310
WO0029404 A1	20000525	WO1999JP06364	19991115
WO0029404 C1	20000908	WO1999JP06364	19991115
WO9922078 A1	19990506	WO1998SE01955	19981028
ZA200103758 A	20020529	ZA20010003758	20010509

Priority:

SE19970003955	19971029	WO1998SE03322	19980930	SE19980003322	19980930
SE19980003322	19980930	EP19980951896	19981028	WO1998SE01955	19981028
WO1998SE01955	19981028	JP19980343614	19981117	JP19990039566	19990218
JP19990322069	19991112	WO1999JP06364	19991115	JP20000038498	20000216
US20010830578	20010508	KR20017005888	20010510	US20030383693	20030310

Probable Assignee: IHARA CHEMICAL IND CO LTD

Assignee(s): (std): ECTACOR AB ; IHARA CHEMICAL IND CO ; IHARA CHEMICAL IND CO LTD ; KUMIAI CHEMICAL IND CO ; KAWAI KIYOSHI ; KAWASHIMA TAKAHIRO ; KUMIAIA CHEMICAL IND CO ; SHIBATA MASARU ; MAKIHARA TAKECHI ; SAKAI JUNETSU ; MURAMATSU NORIMICHI ; KUMIAIA CHEMICAL IND CO L ; SURFCLEANER AB ; KUMIAIA CHEMICAL INDUSTRY CO LTD ; SERFKLINER AB ; LUNDBAECK STIG ; SURFCLEANER AB STOCKHOLM ; KUMIAIA CHEMICAL INDUSTRY CO L ; KUMIAI CHEMICAL IND CO LTD ; YONEKURA NORIHISA ; SURGING CLEANER CO LTD ; SURFING CLEANER CO LTD

Assignee(s): IHARA CHEMICAL INDUSTRY CO LTD TOKIO ; TAKECHI MAKIHARA ; TAKAHIRO KAWASHIMA ; SURGING CLEANER CO ; SURFING CLEANER CO ; THIS CHEMICAL WELL BUSH AND KEY TO THIS SHAH AS ; LUNDBACK STIG ; SURF CLEANER AVE ; IHARA CHEMICAL INDUSTRY CO ; JUNETSU SAKAI ; KIYOSHI KAWAI ; KUMIAI CHEM IND CO LTD ; KUMIAIA CHEMICAL INDUSTRY CO ; NORIMICHI MURAMATSU ; NORIHISA YONEKURA ; MASARU SHIBATA ; SURFCLEANER STOCKHOLM AB ; KUMIAI CHEMICAL INDUSTRY ; SURFCLEANER ARSTAANGSVAGEN AB ; KUMIAI CHEMICAL IND ; GUMI CHILD KAKU HIGH SCHOOL BUSH KEY SHAH ; IHARA CHEM IND CO LTD ; IHARA CHEMICAL IND

Inventor(s): (std): LUNDBACK STIG ; LUNDBEK STIG ; STIG LUNDBACK ; STIG LUNDBAECK ; LUNDBOCK STIG ; NORIHISA YONEKURA ; LUNDBAECK STIG LUNDBAECK STIG ; JUNETSU SAKAI ; SHIBATA MASARU KAWAI KIYOSHI MAKIHARA TAKECHI ; SHIBATA TAKU ; MAKIHARA TAKERI ; SAKAI JONETSU ; TAKAHIRO KAWASHIMA ; SAKAI MITSUYOSHI ; NORIMICHI MURAMATSU ; MAKIHARA TAKEKAZU ; TAKECHI MAKIHARA ; KIYOSHI KAWAI ; MASARU SHIBATA ; MURAMATSU NORIMITI ; SAKAI DZUNETSU ; KAVASIMA TAKAKHIRO ; ENEKURA NORIKHISA ; MAKIKHARA TAKETI ; KAVAI KIESI ; SIBATA MASARU ; KAWASHIMA TAKEHIRO ; MURAMATSU NORIMICHI ; SAKAI JUNETSU ; KAWASHIMA TAKAHIRO ; YONEKURA NORIHISA ; MAKIHARA TAKECHI ; KAWAI KIYOSHI ; SHIBATA MASARU ; LUNDBUEK STIG ; TAKECHI SHIBATA MASARU KAWAI K ; ONEKURA NORIHISA ; LUNDBAECK STIG ; FUKUDE CHO IWATA GUN

Inventor(s): MAKIHARA TAKECHI K I ; STIG LUNDBUEK

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MARKS AND CLERK; SMART AND BIGGAR; EITAN PEARL LATZER AND COHEN ZEDEK; EITAN MEHULAL AND SADOT

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

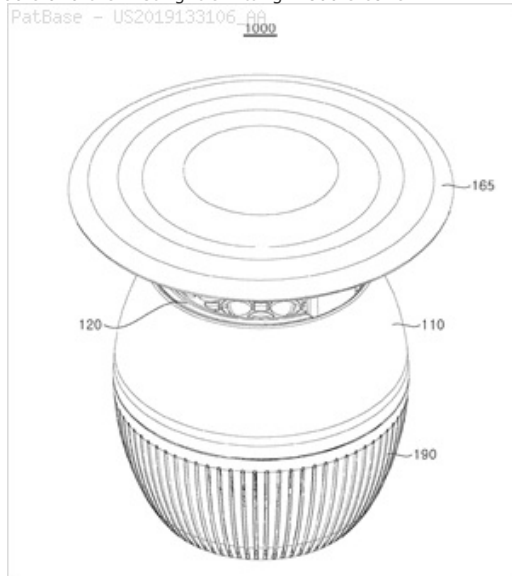
Title: INSECT TRAP

Abstract: An insect trap including a main body having a suction fan, a first light emitting module mount disposed above the main body, a first light emitting module disposed on the first light emitting module mount, a roof disposed on the first light emitting module mount, an insect collection unit disposed under the main body, and an air collection unit disposed in the insect collection unit, the air collection unit having a substantially tapered shape to have a gradually decreasing diameter with an increasing distance from the suction fan, in which the first light emitting module mount includes a first light emitting module cover facing at least a portion of the first light emitting module, and the roof includes a pressing portion protruding from the roof and contacting at least one of the first light emitting module and the first light emitting module cover.

Classifications:

International (IPC 8-9): A01M1/04 A01M1/06 A01M1/08 A01M1/10 A61L2/08 (Advanced/Invention)

CPC: A01M1/08 A61L2/088 A61L2/08 A01M1/10 A01M2200/012 A01M1/06 A01M1/04

**Family:**

Publication number	Publication date	Application number	Application date
KR20180004652 A	20180112	KR20170040640	20170330
KR20180004653 A	20180112	KR20170051792	20170421
KR20180004659 A	20180112	KR20170079858	20170623
TW201804901 A	20180216	TW20170122209	20170703
US2019133106 AA	20190509	US20190240486	20190104
WO18008923 A1	20180111	WO2017KR07037	20170703

Priority:

KR20160084446 20160704	KR20170040640 20170330	KR20170051792 20170421
KR20170079858 20170623	WO2017KR07037 20170703	US20190240486 20190104

Probable Assignee: SEOUL VIOSYS CO LTD

Assignee(s): (std): SEOUL VIOSYS CO LTD

Assignee(s): SEOUL VIOSYS CO

Inventor(s): (std): EOM HOON SIK ; JO HYUN SEUNG ; JU BYEONG CHEOL ; CHANG SANG HYUN ; KOH MI SO ; CHOI EUN MI ; JOO BYUNG CHUL

Agent(s): AIP PATENT AND LAW FIRM

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 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: LIVESTOCK INSECT-REMOVAL SYSTEMS AND RELATED METHODS

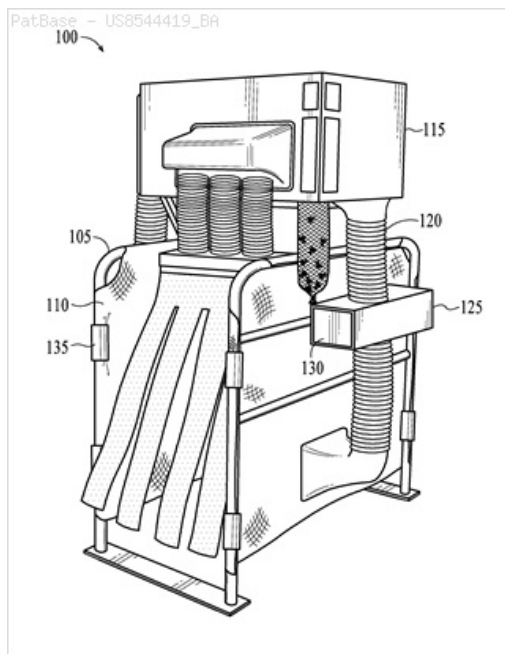
Abstract: Livestock insect-removal systems and methods. According to one embodiment, the system may comprise a structure with a defined path for passage of livestock. The system may comprise a container removably attached to the structure and a vacuum device within the container configured to generate a change in pressure within the container. The system may comprise a first duct to expel air from the container and direct air across the path and displace or dislodge insects. The first duct may further comprise a vent to expel bypass air from the first duct. The system may comprise a second duct, positioned along the path to draw air and dislodge insects into the container.

Classifications:

International (IPC 8-9): A01K13/00 (Advanced/Invention)

CPC: A01K13/001 A01M1/06

US: 119/651 119/652 119/656 119/678



Family:

Publication number	Publication date	Application number	Application date
US8544419 BA	20131001	US20120682593	20121120

Priority:

US20110563208P 20111123 US20120682593 20121120

Probable Assignee: NORTH CAROLINA STATE UNIV

Assignee(s): (std): DENNING STEVEN SMITH ; SPALDING LAB INC ; SPALDING ZACHARY THOMAS ; SPALDING THOMAS JAMES ; UNIV NORTH CAROLINA STATE

Assignee(s): SPALDING LABORATORIES INC ; NORTH CAROLINA STATE UNIV

Inventor(s): (std): SPALDING ZACHARY THOMAS ; DENNING STEVEN SMITH ; SPALDING THOMAS JAMES

Agent(s): CARR AND FERRELL LLP

26) Family number: 25231307 (CH217160A)

© PatBase

Title: VORRICHTUNG ZUM EINFANGEN VON INSEKTEN, INSBESONDERE BEI NACHT. DEVICE FOR CAPTURING INSECTS, ESPECIALLY AT NIGHT. (Machine translation)

Abstract: Source: CH217160A [DE] (Claim 1) 1. Vorrichtung nach Patentanspruch, dadurch gekennzeichnet, dass der Insektenbehälter als Sockel der Vorrichtung und als Schiebekasten ausgebildet ist.

Machine translation: (claim 1) 1 Device according to patent claim, characterized in that the Insektenbehälter is formed as a socket of the device and as a sliding box.

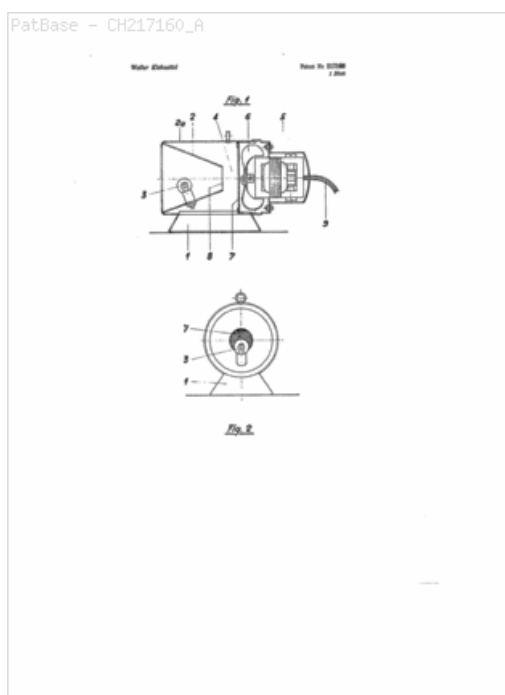
Classifications:

International (IPC 8-9): A01M1/08 (Advanced/Invention); A01M1/08 (Core/Invention)

International (IPC 1-7): A01M1/04

CPC: A01M1/08

European: A01M1/08



Family:

Publication number	Publication date	Application number	Application date
CH217160 A	19410930		19410509

Priority:

19410509

Probable Assignee:

KLEBSATTEL WALTER

Assignee(s): (std):

KLEBSATTEL WALTER

Inventor(s): (std):

WALTER KLEBSATTEL

Inventor(s):

KLEBSATTEL WALTER

27) Family number: 28171317 (US2002005437A)

© PatBase

Title: METHODS AND PERSONAL PROTECTION DEVICES FOR REPELLING INSECTS

Abstract: Methods and devices for repelling insects are disclosed. The methods and devices provide personal protection from insect bites and insect landings, particularly mosquito bites. The methods and devices employ insect repellents such as pyrethroids at low (parts per billion) levels. The methods and devices effectively minimize the number of mosquitoes landing on a subject properly using the devices.

Classifications:

International (IPC 8-9): A01M1/20 A01M29/00 A01M29/12

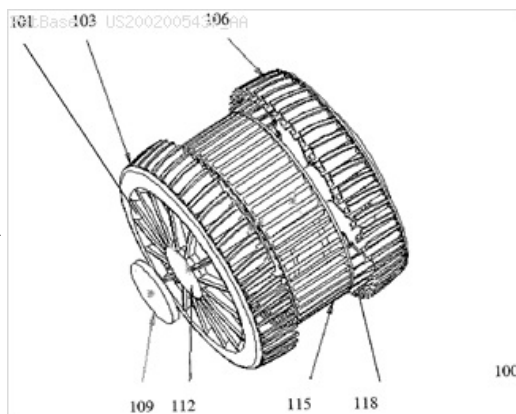
A01N25/18 A01N53/02 B05B1/24 B05B17/04 (Advanced/Invention)

International (IPC 1-7): A01M1/20 A01N25/18 A01N53/02 B05B1/24

CPC: Y10S261/88 A01M1/2077 A01M1/205 A01M1/2072 A01M29/12 A01M2200/011 A01M2200/012

European: A01M1/20A A01M1/20A1 A01M1/20C2L2 A01M1/20C4F A01M1/20C4G A01M29/12 K01M200/011 K01M200/012 K01M201/01 K01M201/02

US: 128/135 128/136 128/152 128/289 128/326 128/418 239/128 239/13 239/135 239/136 239/152 239/289 239/326 239/418 261/141 261/DIG.88 392/390 422/124 422/125 43/125 43/132.1



Family:

Publication number	Publication date	Application number	Application date
AT446010 E	20091115	AT20010946003T	20010524
AU2001268101 AA	20011217	AU20010268101	20010524
AU200168101 A1	20011217	AU20010068101	20010524
AU200168101 A5	20011217	AU20010068101	20010524
CA2410690 AA	20021127	CA20012410690	20010524
CA2410690 C	20070116	CA20012410690	20010524
DE60140273 D1	20091203	DE20016040273	20010524
EP1408745 A2	20040421	EP20010946003	20010524
EP1408745 B1	20091021	EP20010946003	20010524
ES2335084 T3	20100322	ES20010946003T	20010524
JP2003534817 T2	20031125	JP20020501251T	20010524
US2002005437 AA	20020117	US20010795420	20010228
US2006226249 AA	20061012	US20050248672	20051012
US7007861 BB	20060307	US20010795420	20010228
US7152809 BB	20061226	US20050248672	20051012
US7168630 BA	20070130	US20050248532	20051012
WO0193674 A2	20011213	WO2001US17244	20010524
WO0193674 A3	20020404	WO2001US17244	20010524

Priority:

US20000210247P 20000608

US20010795420 20010228

WO2001US17244 20010524

US20050248672 20051012

US20050248532 20051012

Probable Assignee: SC JOHNSON AND SON INC

Assignee(s): (std): JOHNSON AND SON INC S C ; STILL JAMES DOUGLAS ; SAUNDERS CHARLES WINSTON ; WILSON ANDREW ; PROCTER AND GAMBLE ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): UNDERINER TODD LAURENCE ; PROCTER AND GAMBLE CO ; SC JOHNSON AND SON INC ; S C JOHNSON AND SON INC ; BECKHOLT DENNIS ALLEN ; BENVEGNI FERNANDO ; BLENKIRON PETER ; DIRKSING ROBERT STANLEY ; HERLINGER JOHN PATRICK ; RODRIGUEZ PEDRO ANTONIO ; KETCHA MARCIA MARY ; KERR KENDAL WILLIAM ; MOORE DAVID BURTON ; MORRISON LOWEN ROBERT ; RODRIGUEZ PEDRO ANTONIO

Inventor(s): (std): KETCHA MARCIA MARY ; RODRIGUEZ PEDRO ANTONIO ; UNDERINER TODD LAURENCE ; MORRISON LOWEN ROBERT ; BECKHOLT DENNIS ALLEN ; DIRKSING ROBERT STANLEY ; MOORE DAVID BURTON ; KERR KENDAL WILLIAM ; STILL JAMES DOUGLAS ; BLENKIRON PETER ; HERLINGER JOHN PATRICK ; BENVEGNI FERNANDO ; SAUNDERS CHARLES WINSTON ; WILSON ANDREW ; MORRISON LOWEN ROBERT JR ; MOORE DAVID ; SAUNDERS CHARLES ; UNDERINER TODD ; BECKHOLT DENNIS ; STILL JAMES ; KETCHA MARCIA ; DIRKSING ROBERT ; RODRIGUEZ PEDRO ; KERR KENDAL ; MORRISON LOWEN ; HERLINGER JOHN ; RODRIGUEZ PEDRO ANTONIO ; SAUNDERS CHARLES W ; HERLINGER JOHN P ; STILL JAMES D ; KERR KENDAL W ; MOORE DAVID B ; DIRKSING ROBERT S ; BECKHOLT DENNIS A ; MORRISON LOWEN R ; UNDERINER TODD L ; RODRIGUEZ PEDRO A ; KETCHA MARCIA M

Inventor(s): MARCIA MARY KETCHA ; PEDRO ANTONIO RODRIGUEZ ; TODD LAURENCE UNDERINER ; LOWEN ROBERT MORRISON JR ; DENNIS ALLEN BECKHOLT ; ROBERT STANLEY DIRKSING ; DAVID BURTON MOORE ; KENDAL WILLIAM KERR ; JAMES DOUGLAS STILL ; PETER BLENKIRON ; JOHN PATRICK HERLINGER ; FERNANDO BENVEGNI ; CHARLES WINSTON SAUNDERS ; ANDREW WILSON ; MORRISON JR LOWEN ROBERT ; RODRIGUEZ PEDRO

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; RUSCHKE HANS EDVARD; SC JOHNSON AND SON INC

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 EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

28) Family number: 67405327 (US2018077918A) © PatBase

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.

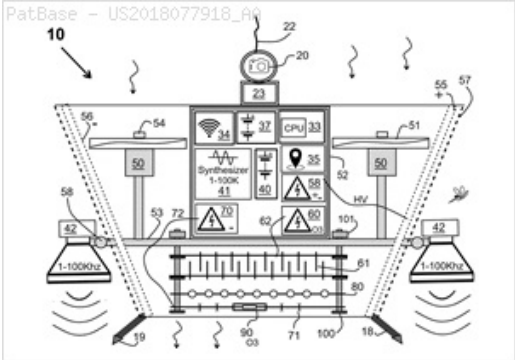
Classifications:

International (IPC 8-9): A01M1/02 A01M1/04 A01M1/06 A01M1/08 A01M1/10 A01M1/20 A01M1/22 A01M29/00 A01M29/16 A01M5/00 A01M5/02 A47K3/28 A62C3/02 A62C99/00 B64C13/18 B64C13/20 B64C27/00 B64C27/08 B64C39/02 B64D27/24 B64D45/00 B64D45/04 B64D47/08 F16K31/02 G05D1/02 H04R1/30 H05C3/00 (Advanced/Invention)

International (IPC 1-7): A01M1/06 A01M1/08 A01M1/20 A01M1/22 A01M5/00 B64C13/20 B64C27/00 B64C27/08 H05C3/00

CPC: A01M5/02 A01M1/023 A01M1/06 A01M1/08 A01M1/106 A01M1/223 A01M29/00 B64C39/024 B64C2201/12 Y02A50/371 A01M1/10 A01M1/02 A01M1/226 Y02A50/374 A47K3/28 F16K31/02 B64C2201/108 A01M29/16 A62C99/009 H04R1/30 A62C3/02 G05D1/102 B05B1/18 B05B12/122 E03C1/0408 E03C2001/026 A62C29/00 H04R2217/03 H04R1/40 H04R1/028 B64C2201/027 B64C2201/141

US: 1/1 4/612 43/140



Family:

Publication number	Publication date	Application number	Application date
BR112018070032 A2	20190205	BR20181170032	20170519
CN109195865 A	20190111	CN201780033156	20170519
EP3464062 A1	20190410	EP20170807226	20170519
GB201814324 A0	20181017	GB20180014324	20170519
IN201847036077 A	20181123	IN201847036077	20180925
JP2019517243 T2	20190624	JP20180549260T	20170519
SG11201805859Q A1	20181228	SG20181105859	20170519
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

Priority:

US20160392341P 20160528 US20160269173 20160919 US20170601652P 20170325
WO2017US33433 20170519 US20170724943 20171004 US20180894936 20180213
US20180761526P 20180327 US20180987307 20180523

Probable Assignee: SIMON SIU CHI YU

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

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

Agent(s): MEWBURN ELLIS LLP; 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 KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NM NE NG NI NL NO NZ OM PA PE PG PH PL PT PY QA RA 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

29) Family number: 15850338 (ZA200400383A) © PatBase

Title: A NOVEL G PROTEIN-COUPLED RECEPTOR, GAVE8.

Abstract: Novel GAVE8 polypeptides, proteins, and nucleic acid molecules are disclosed. In addition to isolated, full-length GAVE8 proteins, isolated GAVE8 fusion proteins, antigenic peptides and anti-GAVE8 are provided. The invention also provides GAVE8 nucleic acid molecules, recombinant expression vectors containing the nucleic acid molecule, host cells into which the expression vectors have been introduced and nonhuman transgenic animals in which GAVE8 gene has been introduced or disrupted are described. Diagnostic, screening, and therapeutic methods utilizing GAVE8 compositions or molecules binding GAVE8 also are provided. Methods for identifying GAVE8 agonists, antagonists, inverse agonists and the like are described.

Classifications:

International (IPC 8-9): A61K35/00 A61K45/00 A61P1/00 A61P11/08 A61P9/04 A61P9/08 C07K14/705 C07K14/72 C07K16/18 C07K16/28 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N15/63 C12N5/10 C12P21/02 C12P21/08 C12Q1/02 G01N33/50

bait stations. Methods of applying and the parameters of choosing a suitable location for applying the bait are disclosed.

Classifications:

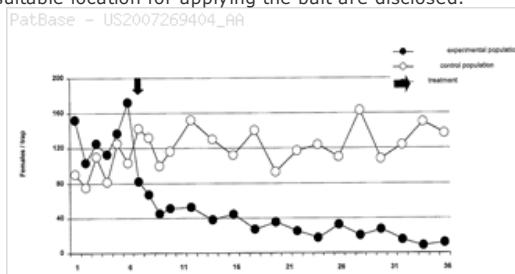
International (IPC 8-9): A01M1/02 A01M1/04 A01M1/06 A01M1/08 A01M1/10 A01M1/22 A01N25/00 A01N25/08 A01N43/04 A01N59/14 A01N65/00 (Advanced/Invention); A01M1/00 A01M1/02 A01M1/08 A01N25/00 A01N25/08 A01N43/02 A01N59/14 A01N65/00 (Core/Invention)

International (IPC 1-7): A01N25/00

CPC: A01M1/023 A01M1/08 A01N31/02 A01N35/02 A01N37/36 A01N37/44 A01N25/006 A01N43/22

European: A01M1/02C A01M1/08 A01N25/00B4 A01N31/02 A01N35/02 A01N37/36 A01N37/44 A01N43/22

US: 424/410 424/410P 424/658 424/658S 424/778 424/778S 424/84 43/112 43/113 514/28 514/28S



Family:

Publication number	Publication date	Application number	Application date
BRPI0710746 A2	20110614	BR2007PI10746	20070521
CN101500411 A	20090805	CN200780024337	20070521
IN07071CN2008 A	20090327	IN2008CN07071	20081222
IN283364 B	20170519	IN2008CN07071	20081222
MX2008014897 A1	20090217	MX20080014897	20070521
US2007269404 AA	20071122	US20070692955	20070329
US2010229459 AA	20100916	US20070302025	20070524
US8420070 BB	20130416	US20070692955	20070329
WO07135675 A2	20071129	WO2007IL00612	20070521
WO07135675 A3	20090423	WO2007IL00612	20070521
WO07135687 A2	20071129	WO2007IL00631	20070524
WO07135687 A3	20090423	WO2007IL00631	20070524

Priority:

US20060747820P 20060522 US20070692955 20070329 WO2007IL00612 20070521
US20070302025 20070524 WO2007IL00631 20070524

Probable Assignee: WTO INVESTMENTS LLC

Assignee(s): (std): MULLER GUNTER C ; SCHLEIN YOSEF ; SIMCHONI BARAK MIRI ; WESTHAM LTD ; MUELLER GUENTER

Assignee(s): MULLER GUNTER ; WTO INVESTMENTS LLC ; WTO INVESTMENT LLC

Inventor(s): (std): MULLER GUNTER C ; SIMCHONI BARAK MIRI ; SCHLEIN YOSEF ; MULLER GUNTER ; MIRI SIMCHONI BARAK ; YOSEF SCHLEIN ; GUNTER MULLER

Agent(s): DR MARK M FRIEDMAN C O BILL POLKINGHORN DISCOVERY DISPATCH; REUVEN K; FRIEDMAN MARK

Designated states: AE AG AL AM 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 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 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

31) Family number: 66638356 (US2017231215A)

© PatBase

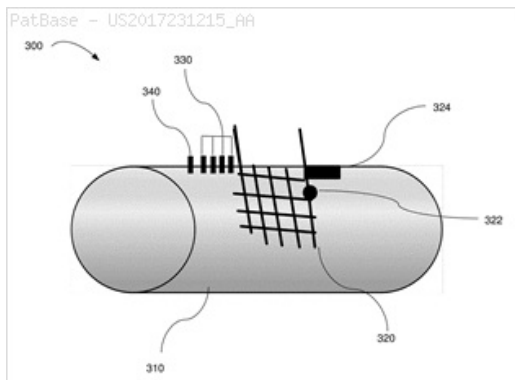
Title: METHOD AND APPARATUS FOR AUTOMATED ANIMAL TRAPPING

Abstract: Methods and apparatuses are shown for selectively capturing a targeted animal that are directed to capturing an animal in a capture module having a one way capture mechanism and, using instructions executing in a controller, sensing the animal in an identification module and, responsive thereto, capturing an image of the animal, analyzing the captured image to identify whether the animal is a targeted animal, if the animal is the targeted animal, processing the animal, and releasing the animal. Additional examples involve performing chromatic or pattern analysis on the captured image, using the chromatic or pattern analysis results, searching a database for machine recognized animal colors or patterns, generating a probabilistic assessment based on color or pattern of whether the animal in the identification module is the targeted animal, and generating a target determination indication based on the probabilistic assessment based on color or pattern. Processing the animal may include injecting the animal using a syringe.

Classifications:

International (IPC 8-9): A01K11/00 A01K29/00 A01M23/02 A01M25/00 A01M31/00 G06K9/00 G06K9/78 G06T7/90 H04N5/225 H04N7/18 (Advanced/Invention)

CPC: A01M31/002 A01M23/02 A01M25/00 A01K11/006 A01K29/005 H04N5/2256 H04N7/188 G06K9/00362 H04N5/332



Family:

Publication number	Publication date	Application number	Application date
US2017231215 AA	20170817	US20170432714	20170214

Priority:

US20160295108P 20160214 US20170432714 20170214

Probable Assignee: BARTON PATRICK

Assignee(s): (std): BARTON PATRICK

Inventor(s): (std): BARTON PATRICK

Title: AIRBORNE BIOTA MONITORING AND CONTROL SYSTEM

Abstract: Apparatus and methods for an airborne biota monitoring and control system are disclosed. Radar and laser/optical sensors are used to detect insects, with detection zones being over water in some embodiments to reduce backscatter clutter. A pest control laser or small autonomous or radio controlled aircraft under automated or human control may be used to disable a targeted flying insect. Technologies include radars formed using semiconductor modules, such as are being developed for automotive radar and other industrial applications. Also disclosed are additional embodiments of the instant invention.

Classifications:

International (IPC 8-9): A01M1/02 A01M1/22 A01M3/00 A01M31/00 A01M5/00 A63F9/02 G01S13/08 G01S13/66 G01S13/88 G01S17/66 G01S7/41 (Advanced/Invention); A01M1/22 (Advanced/Non-invention); A01M1/02 A01M31/00 G01S13/00 G01S7/02 (Core/Invention); A01M1/00 (Core/Non-invention)

International (IPC 1-7): A01M1/22 G01S13/88

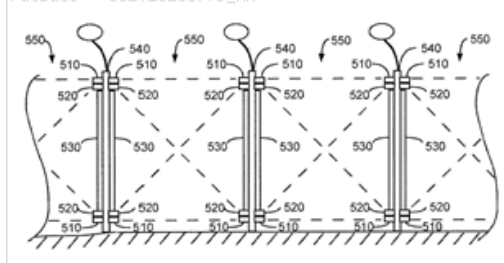
CPC: A01M2200/012 G01S7/411 G01S13/88 G01S7/414 A01M1/226 A01M1/026 G01S13/66 G01S17/66 A63F9/0243

European: A01M1/02E A01M1/22D A01M31/00A G01S13/88

G01S7/41A K01M200/012 K01M201/02

US: 1/1 235/400 235/404 235/411 342/175 342/195 342/22 342/27 342/28 342/52 342/54 43/144

PatBase - US2016286779_AA



Family:

Publication number	Publication date	Application number	Application date
US2016286779 AA	20161006	US20160084433	20160329
US6653971 BA	20031125	US20000571295	20000514
US6853328 BA	20050208	US20030721112	20031125
US7501979 BA	20090310	US20050054685	20050208
US8400348 BA	20130319	US20070978424	20071029
US9295245 BA	20160329	US20130847143	20130319

Priority:

US19990134081P 19990514	US20000571295 20000514	US20030721112 20031125
US20050054685 20050208	US20070978424 20071029	US20130847143 20130319
US20160084433 20160329		

Probable Assignee: APPLIED INFORMATION MOVEMENT AND MANAGEMENT INC

Assignee(s): (std): DENT JR WILLIAM V ; DENT JR WILLIAM VADEN ; DENT WILLIAM V ; GREEN AUGUSTUS H ; GREEN JR AUGUSTUS HAMMOND ; GUICE DAVID L ; GUICE DAVID LEHMANN ; APPLIED INFORMATION MOVEMENT AND MAN INC

Assignee(s): APPLIED INFORMATION MOVEMENT AND MANAGEMENT INC

Inventor(s): (std): GUICE DAVID L ; GREEN AUGUSTUS H ; DENT JR WILLIAM V ; DENT WILLIAM V ; GREEN JR AUGUSTUS HAMMOND ; GUICE DAVID LEHMANN ; DENT JR WILLIAM VADEN

Agent(s): MARK; CLODFELTER STEVEN M; STEVEN M

Title: HAND-HELD PEST VACUUM

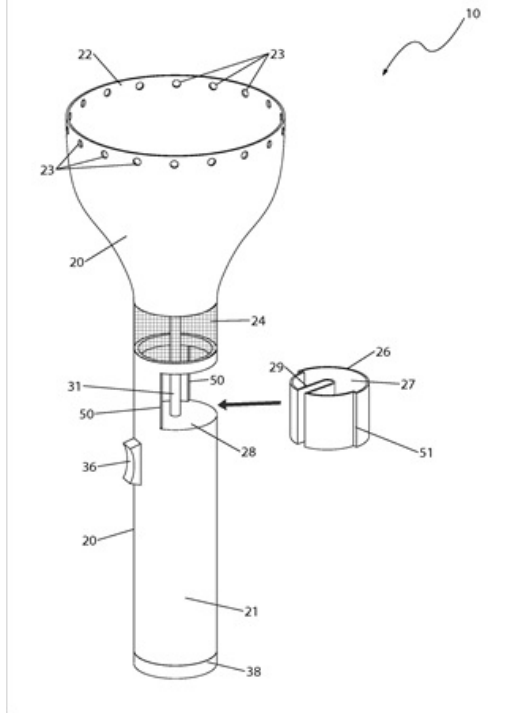
Abstract: A battery-powered insect removal device comprises a funnel-shaped housing further including a cylindrical handle which has a fan motor, a battery, an operating switch, and electrical components which generate a vacuum across the opening of the funnel. During use, the device is electrically activated and then placed near a flying or crawling insect. The vacuum will draw the insect inside where it is exterminated by a plurality of fan blades and collected within and interior receptacle. The receptacle is removable for emptying and cleaning.

Classifications:

International (IPC 8-9): A01M1/06 A47L5/24 (Advanced/Invention)

CPC: A01M1/06 A47L5/24 A47L9/02 A47L9/104 A47L9/127 A47L9/22

US: 15/339 15/344 15/352 43/107 43/139

**Family:**

Publication number	Publication date	Application number	Application date
US8595894 BA	20131203	US20120467311	20120509

Priority:

US20110483917P 20110509 US20120467311 20120509

Probable Assignee: KAKISH ISSA

Assignee(s): (std): KAKISH ISSA

Inventor(s): (std): KAKISH ISSA

Agent(s): ROBERT C; MONTGOMERY PATENT AND DESIGN

34) Family number: 51111377 (US2013160363A)

© PatBase

Title: AQUAPONIC VERTICAL GARDEN WITH INTEGRATED AIR CHANNEL FOR PLANT-BASED AIR FILTRATION

Abstract: Embodiments are described for a closed-loop, vertical garden system for growing plants and filtering air and water comprising: a support structure; a composite, grow media configured to physically support the growth of plants and distribute water to the roots of the plants through capillary action through the area of the grow media; a water source coupled to the grow media through a pump and plumbing system, wherein the plumbing system is configured to draw water from the water source through the grow media and back to the water source in substantially closed loop aquatic system; and an air flow subsystem configured to draw outside air through the plants and transmit filtered air back out of the support structure.

Classifications:

International (IPC 8-9): A01G31/00 A01G31/02

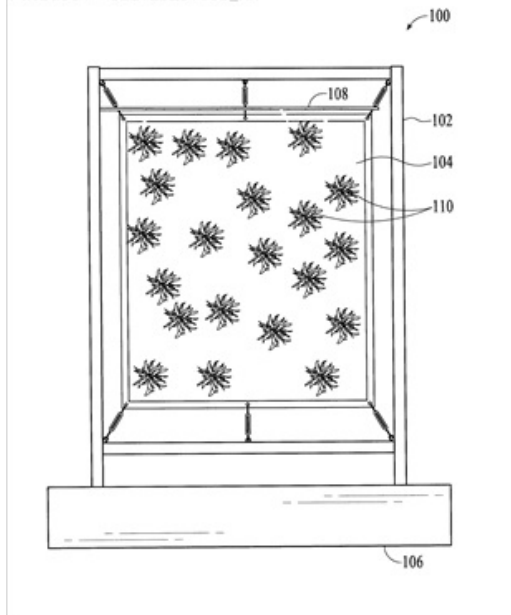
A01G9/02 (Advanced/Invention)

CPC: A01G9/022 Y02B10/30 A01G31/02 A01G9/025 Y02P60/244 Y02P60/216 A01K63/04

European: A01G31/02 A01G9/02C3 Y02B10/30 Y02B10/50

US: 47/59.00R 47/59S 47/59S 47/62.00A 47/62.00N 47/62.00R 47/62A 47/62N 47/62R 47/66.6

PatBase - US2013160363_AH

**Family:**

Publication number	Publication date	Application number	Application date
--------------------	------------------	--------------------	------------------

US2013160363 AA	20130627	US20130773201	20130221
US8181391 BA	20120522	US20090403939	20090313
US8516743 BA	20130827	US20100792701	20100602
US8578651 BA	20131112	US20100792696	20100602
US9032665 BB	20150519	US20130773201	20130221

Priority:

US20080069447P 20080314 US20090403939 20090313 US20100792696 20100602
US20100792701 20100602 US20100792683 20100602 US20130773201 20130221

Probable Assignee: INKA BIOSPHERIC SYSTEMS

Assignee(s): (std): GIACOMANTONIO PAUL ; GIACOMANTONIO PAUL J ; INKA BIOSPHERIC SYSTEMS ; INKA BIOSPHERIC SYSTEMS ; TOMKAT RANCH EDUCATIONAL FOUNDATION

Inventor(s): (std): GIACOMANTONIO PAUL ; WHITNEY CHRISTOPHER J ; GIACOMANTONIO PAUL J

Agent(s): DERGOSITS AND NOAH LLP; GEOFFREY T; STANIFORD TOMITA LLP

35) Family number: 29434383 (US3939802A)

© PatBase

Title: INSECT FEEDING

Abstract: A device and method are disclosed for feeding insects to animals. The abundant natural supply of flying insects is used as a food supply. Thus, the insects, which normally are not eaten by humans, are used to grow animals which form a valuable source of protein for humans. In feeding insects to fish, for example, insects are attracted to the surface of the water, preferably at night by means of a light source, and are guided into contact with the water where they can be eaten by the fish. The light not only attracts the insects, but also attracts the fish to the feeding spot. The light source preferably is supported on a floating platform. If needed, several such platforms can be tied together and spread over the surface of a body of water such as a pond or lake to feed the entire fish population in the water. The light source preferably is an electric lamp energized by batteries or by a cable extending from a power supply on the shore. Alternatively, the light source can be a non-electric lamp, such as a kerosene or gasoline lamp.

Classifications:

International (IPC 8-9): A01K61/00 A01K61/02 A01M1/08

G03G15/22 (Advanced/Invention);

A01K61/00 A01K61/02 A01M1/08 G03G15/00 (Core/Invention)

International (IPC 1-7): A01K5/00 A01K61/00 A01K61/02

A01K67/00 A01M1/04 A01M23/12 G03G15/22

CPC: A01K61/80 A01M1/08 A01M2200/012 A01K61/85 A01K61/60

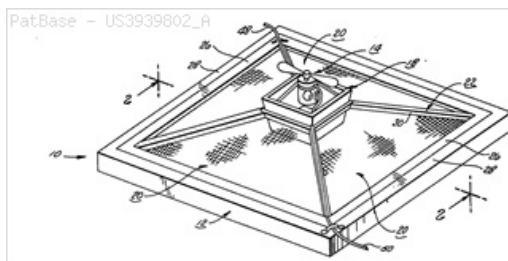
Y02A40/845 Y02A40/81 A01K67/02 A01K69/08

European: A01K61/00 A01K61/02 A01M1/04 A01M1/08

K01M200/012 K01M201/02

US: 119/216 119/223 119/230 119/3 119/51.04 119/51R 43/100

43/113



Family:

Publication number	Publication date	Application number	Application date
CA1064094 A1	19791009	CA19750230425	19750627
DE2515958 A1	19751023	DE19752515958	19750411
FR2267036 A1	19751107	FR19750011431	19750411
IN140578 A	19761204	IN1975CA00693	19750407
IT1035273 A	19791020	IT19750049053	19750411
JP50142396 A2	19751117	JP19750044177	19750411
US3939802 A	19760224	US19740460619	19740412
US3951104 A	19760420	US19740497540	19740814
US4002146 A	19770111	US19750545514	19750130
US4019459 A	19770426	US19760659690	19760220
US4036189 A	19770719	US19760656890	19760210

Priority:

US19710213966 19711230 US19740460619 19740412 US19740477839 19740610
US19740497540 19740814 US19750545514 19750130 US19760656890 19760210
US19760659690 19760220

Probable Assignee: NEFF GREGOR

Assignee(s): (std): NEFF G ; NEFF GREGOR ; NEFF GREGOR N ; XEROX CORP

Assignee(s): WHITED CHARLES A ; GUNDLACH ROBERT W ; NEFF GREGOR US ; PIKE THOMAS W

Inventor(s): (std): GUNDLACH ROBERT W ; WHITED CHARLES A ; PIKE THOMAS W ; NEFF GREGOR N ; NEFF G

Inventor(s): N NEFF GREGOR

36) Family number: 62974422 (US2018000093A)

© PatBase

Title: SYSTEMS, METHODS AND COMPOSITIONS FOR EFFECTIVE INSECT POPULATION SUPPRESSION

Abstract: Provided herein are compositions, systems, and methods for suppressing a population of insects such as flies. Some embodiments relate to compositions comprising a fermented biomass, a dye and a particulate matter. Some embodiments relate to systems and methods for use of the compositions described herein. The compositions are biodegradable, non-toxic, and environmentally friendly.

Classifications:

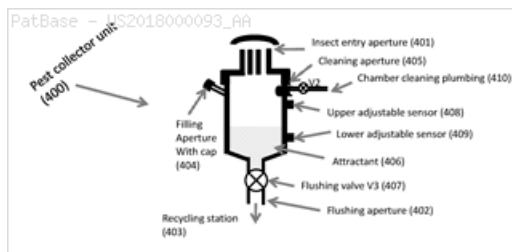
International (IPC 8-9): A01M1/02 A01M1/04 A01M1/10 A01M1/16

A01M1/20 A01M1/22 A01N61/00 A01N63/02

A01P19/00 (Advanced/Invention)

CPC: A01M1/02 A01N63/02 A01M1/023 A01M1/04 A01M1/106

A01M1/2033 A01M1/223 A01M1/226



Family:

Publication number	Publication date	Application number	Application date
AU2016206514 AA	20170803	AU20160206514	20160115
CA2973664 AA	20170711	CA20162973664	20160115
CN107404865 A	20171128	CN201680013027	20160115
EP3244730 A1	20171122	EP20160738019	20160115
EP3244730 A4	20180815	EP20160738019	20160115
MX2017009239 A1	20180323	MX20170009239	20160115
US2018000093 AA	20180104	US20160542386	20160115
WO16115539 A1	20160721	WO2016US13727	20160115

Priority:

US20150104656P 20150116 US20160542386 20160115 WO2016US13727 20160115

Probable Assignee: EMEKATECH LLC

Assignee(s): (std): EMEKATECH LLC

Assignee(s): NCHEKWUBE EMEKA J ; UZOH CYPRIAN EMEKA

Inventor(s): (std): NCHEKWUBE EMEKA J ; UZOH CYPRIAN EMEKA ; UZOH CYPRIAN ; EMEKA J NCHEKWUBE ; CYPRIAN EMEKA UZOH

Inventor(s): EMEKA J

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING WLG CANADA LLP; AVIDITY IP; ANDERSON GARRETT 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 LI 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

37) Family number: 42462452 (US2002025305A)

© PatBase

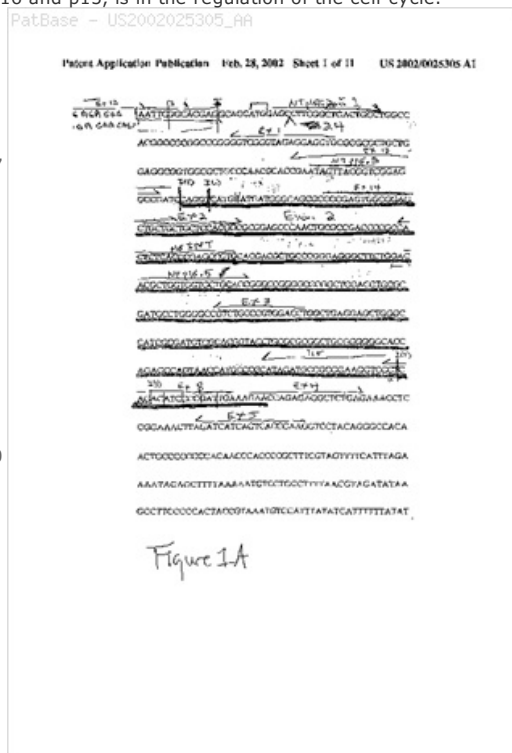
Title: CELL-CYCLE REGULATORY PROTEINS, AND USES RELATED THERETO

Abstract: The present invention relates to the discovery in eukaryotic cells, particularly mammalian cells, of a novel family of cell-cycle regulatory proteins ("CCR-proteins"). As described herein, this family of proteins includes a polypeptide having an apparent molecular weight of 16 kDa, and a polypeptide having an apparent molecular weight of approximately 15 kDa, each of which can function as an inhibitor of cell-cycle progression, and therefore ultimately of cell growth. Thus, similar to the role of p21 to the p53 checkpoint, the subject CCR-proteins may function coordinately with the cell-cycle regulatory protein, retinoblastoma (RB). Furthermore, the CCR-protein family includes a protein having an apparent molecular weight of 13.5 kDa (hereinafter "p13.5"). The presumptive role of p13.5, like p16 and p15, is in the regulation of the cell-cycle.

Classifications:

International (IPC 8-9): A01K67/027 A01K67/033 A61K31/70 A61K35/12 A61K35/76 A61K38/00 A61K38/16 A61K38/17 A61K38/18 A61K38/27 A61K38/45 A61K38/57 A61K39/395 A61K45/00 A61K48/00 A61P19/00 A61P25/00 A61P25/28 A61P35/00 A61P37/00 A61P43/00 C07H21/00 C07H21/02 C07H21/04 C07K14/00 C07K14/435 C07K14/46 C07K14/465 C07K14/47 C07K14/475 C07K16/00 C07K16/18 C07K19/00 C12N1/15 C12N1/17 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N15/12 C12N15/18 C12N15/54 C12N15/63 C12N15/70 C12N15/74 C12N15/79 C12N15/85 C12N15/87 C12N15/02 C12N5/06 C12N5/08 C12N5/10 C12N9/12 C12P21/02 C12P21/04 C12P21/08 C12P21/08 C12Q1/02 C12Q1/48 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 G01N33/573 G01N33/574 G01N33/577 G01N33/58 G01N33/68 (Advanced/Invention); A01K67/027 A61K31/70 A61K35/12 A61K38/00 A61K38/27 A61K48/00 A61P25/00 A61P35/00 A61P37/00 A61P43/00 C07K14/00 C07K14/46 C07K14/47 C12N15/09 C12N15/12 C12N5/06 C12N5/10 C12P21/02 C12Q1/02 C12Q1/48 C12Q1/68 C12R1/645 C12R1/91 G01N33/53 (Advanced/Non-invention); A01K67/00 A01K67/027 A61K31/70 A61K35/12 A61K35/66 A61K38/00 A61K38/17 A61K38/27 A61K45/00 A61K48/00 A61P25/00 A61P37/00 A61P43/00 C07H21/00 C07K14/00 C07K14/435 C07K16/00 C07K16/18 C12N1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N15/12 C12N15/70 C12N15/74 C12N15/85 C12N15/87 C12N5/00 C12N5/06 C12N5/10 C12N9/12 C12P21/02 C12P21/04 C12P21/08 C12Q1/02 C12Q1/48 C12Q1/68 G01N33/00 G01N33/53 G01N33/574 (Core/Invention); A61K38/00 (Core/Non-invention)

International (IPC 1-7): A01K67/027 A61K31/70 A61K35/12 A61K35/76 A61K38/00 A61K38/17 A61K38/18 A61K38/27 A61K38/45 A61K38/55 A61K38/57 A61K39/00 A61K39/395 A61K45/00 A61K48/00 A61P43/00 C07H21/00 C07H21/02 C07H21/04 C07K13/00 C07K14/00 C07K14/39 C07K14/435 C07K14/46 C07K14/465 C07K14/47 C07K14/475 C07K14/71 C07K15/00 C07K15/12 C07K16/00 C07K16/14 C07K16/18 C07K16/22 C07K19/00 C12N15/00 C12N15/09 C12N15/10 C12N15/11 C12N15/12 C12N15/18 C12N15/54 C12N15/63 C12N15/70 C12N15/74 C12N15/79 C12N15/87 C12N5/00 C12N5/06 C12N5/08 C12N5/10 C12N9/12 C12N9/64 C12N9/99 C12P21/02 C12P21/04 C12P21/08 C12Q1/02 C12Q1/48



C12Q1/68 G01N33/53 G01N33/566 G01N33/573 G01N33/574 G01N33/577 G01N33/58
CPC: A01K2207/05 A01K2227/706 A01K2267/0312 C12N2799/027 A01K67/027 C07K2319/23 G01N33/5011 G01N33/574
G01N2333/4736 C12N2830/008 G01N33/5008 G01N33/5041 G01N33/5088 G01N33/68 G01N2500/02 G01N2500/10
A61K38/00 Y10S435/81 C12Q2600/154 A01K67/033 A01K67/0271 A01K67/0275 A01K67/0339 A01K2207/15 A01K2217/00
A01K2227/30 A01K2227/40 A01K2227/50 A01K2267/0318 A01K2267/0368 C07K14/46 C07K14/475 C07K2319/00
C12Q2600/136 C12N2830/007 A01K2217/05 A01K2267/03 A61K48/00 C12N2799/022 G01N33/57496 C12Q1/6886
G01N2333/4739 A01K67/0276 A01K2217/075 A01K2217/20 A01K2227/105 A01K2267/0331 C07K14/4702 C07K14/4738
C07K16/18 C12N9/12 C12N15/8509 C12N2800/30 C12Q1/6811 C12Q1/6883 C12Q2600/156 C12Q2600/158
European: A01K67/027 A01K67/027B A01K67/027M A01K67/027M2 A01K67/033 A01K67/033M30D A61K38/17 A61K38/18
C07K14/46 C07K14/475 C07K14/47A1 C07K14/47A26 C07K16/18 C12N15/85A C12N9/12 C12Q1/68A8 C12Q1/68M6
C12Q1/68M6B G01N33/50D2 G01N33/50D2B G01N33/50D2E14 G01N33/50D2J4 G01N33/574 G01N33/574V6 G01N33/68
K01K207/05 K01K207/15 K01K217/00 K01K217/05 K01K217/07B K01K217/20 K01K227/10M K01K227/30 K01K227/40
K01K227/50 K01K227/70D K01K267/03 K01K267/03A3 K01K267/03A4 K01K267/03C K01K267/03K3 K61K38/00 K61K48/00
M07K203/00 M07K205/00 M07K207/00 M07K209/00 M07K213/00 M07K213/02 M07K215/00 M07K319/00 M07K319/23
M12N799/02A61 M12N799/02A67 M12N800/30 M12N830/00B M12N830/00C S01N333/47A24 S01N333/47A26 S01N500/02
S01N500/10
US: 424/158.1 424/185.1 424/422 424/9.2 424/9.21 424/93.2 424/93.21 424/93.210P 424/932 435/14 435/184 435/184S
435/194 435/226 435/226S 435/252.3 435/254.11 435/254.2 435/320.1 435/320.100S 435/325 435/325S 435/348 435/363
435/368 435/368S 435/375 435/375S 435/377 435/377S 435/455 435/455S 435/458 435/458S 435/463 435/467 435/6
435/6.12 435/6.13 435/6.130P 435/6.14 435/69.1 435/69.100P 435/69.100S 435/69.2 435/69.200S 435/69.4 435/69.7
435/6P 435/7.1 435/7.100P 435/7.2 435/7.21 435/7.23 435/7.72 435/810 435/91.1 435/91.2 436/501 506/14 506/9 506/9S
514/12 514/16.7 514/16.700S 514/16.9 514/16.900S 514/17.1 514/17.7 514/17.700S 514/18.1 514/18.100S 514/19.3
514/19.300S 514/2 514/21.2 514/21.200P 514/44 514/44.00R 514/44.00RP 514/44.00RS 514/44R 514/7 514/7.6 514/8
514/8.2 514/8.200S 514/8.3 514/8.300S 514/8.4 514/8.400P 514/8.400S 514/8.9 514/8.900S 514/9.1 514/9.100S 530/300
530/300S 530/324 530/350 530/350S 530/352 530/358 530/387.1 530/387.100S 530/387.3 530/387.300P 530/387.7
530/387.700S 530/387.9 530/388.1 530/388.23 530/388.230S 530/389.1 530/389.2 530/389.200S 530/391.3 530/391.300S
530/395 530/402 530/403 536/23.1 536/23.100S 536/23.2 536/23.200S 536/23.4 536/23.5 536/23.500S 536/23.51 536/23.7
536/23.74 536/24.1 536/24.5 800/18 800/22 800/25 800/3

Family:

Publication number	Publication date	Application number	Application date
AT242806 E	20030615	AT19930924946T	19931018
AT426023 E	20090415	AT19940906736T	19941230
AU199454440 A1	19940509	AU19940054440	19931018
AU199515207 A1	19950801	AU19950015207	19941230
AU199523845 A1	19951110	AU19950023845	19950414
AU199916451 A1	19990527	AU19990016451	19990215
AU199936805 A1	19991202	AU19990036805	19990628
AU200187319 A1	20020502	AU20010087319	20011102
AU200187319 A5	20020502	AU20010087319	20011102
AU687764 B2	19980305	AU19940054440	19931018
AU703908 B2	19990401	AU19950023845	19950414
AU704178 B2	19990415	AU19950015207	19941230
AU736492 B2	20010726	AU19990016451	19990215
AU736492 C	20020613	AU19990016451	19990215
AU743207 B2	20020124	AU19990036805	19990628
AU767640 B2	20031120	AU20010087319	20011102
CA2103161 AA	19931115	CA19922103161	19920518
CA2146965 AA	19950412	CA19932146965	19931018
CA2146965 C	20030729	CA19932146965	19931018
CA2179029 AA	19960612	CA19942179029	19941230
CA2179029 C	20090224	CA19942179029	19941230
CA2186639 AA	19960926	CA19952186639	19950414
DE69333043 D1	20030717	DE19936033043	19931018
DE69333043 T2	20040506	DE19936033043T	19931018
DE69435198 D1	20090430	DE19946035198	19941230
DK0665886 T3	20031006	DK19930924946T	19931018
EP0584264 A1	19940302	EP19920913100	19920518
EP0665886 A1	19950809	EP19930924946	19931018
EP0665886 B1	20030611	EP19930924946	19931018
EP0741783 A1	19961113	EP19950906736	19941230
EP0741783 B1	20090318	EP19950906736	19941230
EP0755445 A1	19970129	EP19950916992	19950414
ES2201064 T3	20040316	ES19930924946T	19931018
JP2001299368 A2	20011030	JP20010060722	20010305
JP2007308513 A2	20071129	JP20070219899	20070827
JP3485186 B2	20040113	JP19940510328T	19931018
JP4162260 B2	20081008	JP19950518530T	19941230
JP4404923 B2	20100127	JP20070219899	20070827
JP6507787 T2	19940908	JP19930500242T	19920518
JP8502649 T2	19960326	JP19940510328T	19931018
JP9507853 T2	19970812	JP19950518530T	19941230
JP9512424 T2	19971216	JP19950527115T	19950414
KR100331363 B1	20021205	KR19950701512	19931018
KR100404011 B1	20040403	KR19960705807	19950414
KR19957004483 A	19951120	KR19957001512	19931018
KR19970700245 A	19970108	KR19960703541	19960701
KR19970702366 A	19970513	KR19960705807	19961014
KR19977000245 A	19970108	KR19967003541	19941230
KR19977002366 A	19970513	KR19967005807	19950414
KR950704483 A	19951120	KR19950701512	19950417
KR970702366 A	19970513	KR19960705807	19961014
NZ278765 A	19980527	NZ19940278765	19941230
NZ500010 A	20010727	NZ19940500010	19941230
PT665886 T	20031031	PT19930924946T	19931018
US2002025305 AA	20020228	US19980016750	19980130

US2002082392 AA	20020627	US19980016869	19980130
US2003054437 AA	20030320	US19970954771	19971020
US2003100489 AA	20030529	US20010947206	20010904
US2003186357 AA	20031002	US19950462386	19950605
US2003190696 AA	20031009	US20000736476	20001213
US2004224882 AA	20041111	US20030647654	20030825
US2005004028 AA	20050106	US20040835517	20040428
US2005282231 AA	20051222	US20050197721	20050803
US2007213273 AA	20070913	US20060634358	20061205
US2008171328 AA	20080717	US20070894601	20070820
US2009170098 AA	20090702	US20080195135	20080820
US5789543 A	19980804	US19930176427	19931230
US5844079 A	19981201	US19940356060	19941214
US5869640 A	19990209	US19950464517	19950605
US5889169 A	19990330	US19940248812	19940525
US5919997 A	19990706	US19960627610	19960404
US5962316 A	19991005	US19940306511	19940914
US5968821 A	19991019	US19970893274	19970715
US5998582 A	19991207	US19940246361	19940519
US6043030 A	20000328	US19960581918	19960102
US6066501 A	20000523	US19950463772	19950605
US6156876 A	20001205	US19940324526	19941018
US6165747 A	20001226	US19950460900	19950605
US6211334 BA	20010403	US19940346147	19941129
US6261786 BA	20010717	US19960674509	19960702
US6271363 BA	20010807	US19970954698	19971020
US6331390 BA	20011218	US19950497214	19950630
US6384192 BA	20020507	US19970957874	19971020
US6486131 BB	20021126	US19980016750	19980130
US6566054 BA	20030520	US19960706322	19960830
US6576237 BA	20030610	US20000639695	20000816
US6607913 BA	20030819	US19990448188	19991123
US6610656 BA	20030826	US19970954128	19971020
US6630148 BA	20031007	US19970954740	19971020
US6664075 BB	20031216	US20000736476	20001213
US6884775 BA	20050426	US19970905572	19970801
US7060450 BA	20060613	US20000711724	20001113
US7144732 BB	20061205	US20040835517	20040428
US7425617 BB	20080916	US19980016869	19980130
US7550561 BA	20090623	US19940227371	19940414
US7691632 BB	20100406	US20080195135	20080820
US7781215 BB	20100824	US20060634358	20061205
US7901686 BB	20110308	US20050197721	20050803
WO9220796 A2	19921126	WO1992US04146	19920518
WO9220796 A3	19930304	WO1992US04146	19920518
WO9324514 A1	19931209	WO1993US05000	19930525
WO9409135 A1	19940428	WO1993US09945	19931018
WO9518856 A1	19950713	WO1994US14992	19941230
WO9528483 A1	19951026	WO1995US04636	19950414

Priority:

US19910701514	19910516	JP19930500242	19920518	WO1992US04146	19920518
US19920888178	19920526	US19920963308	19921016	US19920991997	19921217
WO1993US09945	19931018	US19930154915	19931118	US19930176427	19931230
US19940227371	19940414	US19940246361	19940519	US19940227371	19940525
US19940248812	19940525	US19940248812	19940914	US19940306511	19940914
US19940324526	19941018	US19940346147	19941129	US19940356060	19941214
AU19950015207	19941230	NZ19940330086	19941230	JP19950518530	19941230
JP19950518530T	19941230	WO1994US14992	19941230	AU19950023845	19950414
WO1995US04636	19950414	US19950435093	19950504	US19950464517	19950605
US19950463772	19950605	US19950460900	19950605	US19950462386	19950605
US19950497214	19950630	US19960581918	19960102	US19960627610	19960404
US19960674509	19960702	US19960706322	19960830	US19970893274	19970715
US19970905572	19970801	US19970954128	19971020	US19970957874	19971020
US19970954698	19971020	US19970954740	19971020	US19970954771	19971020
US19980016869	19980130	US19980016750	19980130	AU19990016451	19990215
AU19990036805	19990628	US19990448188	19991123	US20000639695	20000816
US20000711724	20001113	US20000736476	20001213	US20010947206	20010904
AU20010087319	20011102	US20030647654	20030825	US20040835517	20040428
US20050197721	20050803	US20060634358	20061205	US20070894601	20070820
US20080195135	20080820				

Probable Assignee: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Assignee(s): (std): COLD SPRING HARBOR LAB COLD SP ; COLD SPRING HARBOR LAB ; BEACH DAVID H ; IMP CANCER RES TECH ; HARVARD COLLEGE ; INGHAM PHILIP W ; EINSTEIN COLL MED ; IMP CANCER RES TECHNOL LTD ; IMP CANCER RES TECHNOLOGY INC ; IMP CANCER RES TECHNOLOGY INST ; HANNON GREGORY J ; DEMETRICK DOUGLAS J ; MARIGO VALERIA ; TABIN CLIFFORD ; MCMAHON ANDREW P ; TABIN CLIFFORD J ; SERRANO MANUEL ; MITOTIX

Assignee(s): THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE ; ST JUDE CHILDREN"S HOSPITAL ; ST JUDE CHILDREN'S HOSPITAL ; NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH EXTRAMURAL INVENTION ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; XIONG YUE ; NATIONAL INST ; ST JUDE CHILDREN S HOSPITAL ; IMP CANCER RESEARCH TECHNOLOGY INST ; PRESIDENT AND FELLOWS OF HARVARD COLLEGE ; PRESIDENT AND FELLOWS OF HARVARD COLLEGE ; IMPERIAL CANCER RESEARCH TECHNOLOGY INSTITUTE ; IMPERIAL CANCER RESEARCH TECHNOLOGY LIMITED ; IMPERIAL CANCER RES TECHNOLOGY ; IMP CANCER RESEARCH TECHNOLOGY INC ; IMPERIAL CANCER RESEARCH TECHNOLOGY LTD ; IMPERIAL CANCER

Inventor(s):	(std): MARIGO VALERIA ; TABIN CLIFFORD J ; INGHAM PHILIP W ; MCMAHON ANDREW P ; MARTI GOROSTIZA ELISA ; BUMCROT DAVID A ; HANNON GREGORY J ; SERRANO MANUEL ; DEMETRICK DOUGLAS J ; SCHULT DAVID H ; BEACH H ; INGHAM PHILIP ; MCMAHON ANDREW ; TABIN CLIFFORD ; VORTKAMP ANDREA M ; DEPINHO RONALD A ; XIONG YUE ; BEACH DAVID H
Inventor(s):	QUELLE DAWN E ; SHERR CHARLES J ; PHILIP INGHAM ; DOUGLAS J DEMETRICK ; MANUEL SERRANO ; GREGORY J HANNON ; PHILIP W INGHAM ; CLIFFORD J TABIN ; ANDREW P MCMAHON ; YUE XIONG ; DAVID H BEACH ; DAVID H SCHULT
Agent(s):	SHELSTON IP; SHELSTON IP PTY LTD; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; HORNER MARTIN GRENVILLE ET AL; ROPES AND GRAY LLP; FISH AND NEAVE IP GROUP, ROPES AND GRAY LLP; HOWREY LLP-CA; HOWREY LLP CA; FISH AND NEAVE IP GROUP OF ROPES AND GRAY LLP; FISH AND NEAVE IP GROUP ROPES AND GRAY LLP; HOWREY LLP; WILMER CUTLER PICKERING HALE AND DORR LLP; VIOLA T
Designated states:	AT AU BE CA CH CY DE DK ES FI FR GB GR IE IT JP KR LI LU MC NL NZ PT SE



39) Family number: 17750463 (DE29619545U1)

© PatBase

Title: Device for catching spiders, insects o.dgl.

Abstract: Source: DE29619545U1 [DE] (Claim 1) Anspruch e; 1. Vorrichtung (100) zum Fangen von Spinnen, Insekten o. d g il., die ueber eine elektrisch betriebene Saugvorrichtung und eine Ansaugöffnung (15) verfüegt, dadurch gekenn? e i chne t, dass d ie Saugvorrichtung umschaltbar ist, so dass ein Luftstrom aus der Ansaugöffnung (15) heraustritt.

Machine translation: (Claim 1) Anspruch e; 1. Device (100) to catching spiders, insects o. D g IL., over one electrically the operation suction device and an opening (15) order, thus gekenn? e i chne t that D IE is switchable suction device, so that in air flow from the opening (15) out-steps.

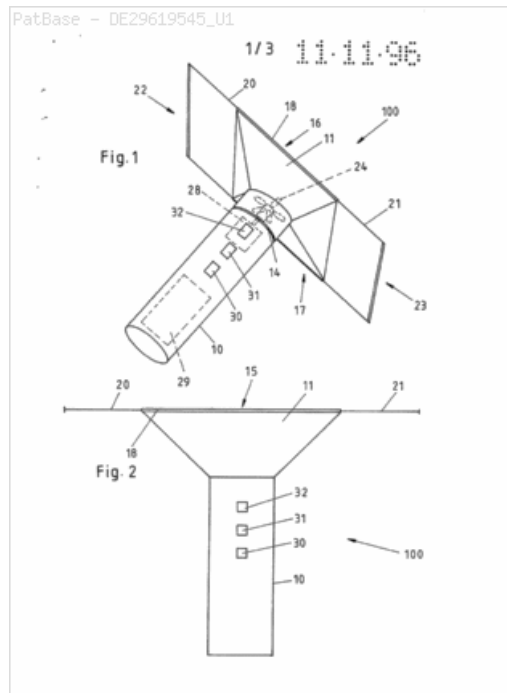
Classifications:

International (IPC 8-9): A01M1/06 (Advanced/Invention); A01M1/00 (Core/Invention)

International (IPC 1-7): A01M1/06

CPC: A01M1/06 A01M2200/011 A01M2200/012

European: A01M1/06 K01M200/011 K01M200/012 K01M201/01 K01M201/02

**Family:**

Publication number	Publication date	Application number	Application date
DE29619545 U1	19970213	DE19962019545U	19961111

Priority:

DE19962019545U 19961111

Probable Assignee: VOLLBRECHT EDGAR

Assignee(s): (std): VOLLBRECHT EDGAR

Assignee(s): VOLLBRECHT EDGAR 21423 WINSEN DE

40) Family number: 4359466 (US4449319A)

© PatBase

Title: Fly exterminator

Abstract: Fly-exterminating apparatus including a housing defining a ring-like columnar passage having an inlet at one end and an outlet on another end, a suction-creating device for drawing a stream of air through the inlet opening, the columnar passage and the outlet opening, and mechanism for impaling the flies at the outlet while permitting the airstream to pass therethrough.

Classifications:

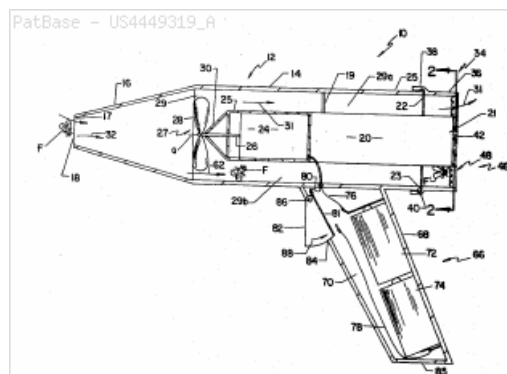
International (IPC 8-9): A01M1/06 (Advanced/Invention)

International (IPC 1-7): A01M3/00

CPC: A01M3/005 A01M2200/012

European: A01M3/00G K01M200/012 K01M201/02

US: 43/139

**Family:**

Publication number	Publication date	Application number	Application date
--------------------	------------------	--------------------	------------------

Priority:

US19810267051 19810526

Probable Assignee:

GARCIA GERRY R

Assignee(s): (std):

GARCIA GERRY R

Inventor(s): (std):

GARCIA GERRY R

41) Family number: 32284469 (US2005218243A)

© PatBase

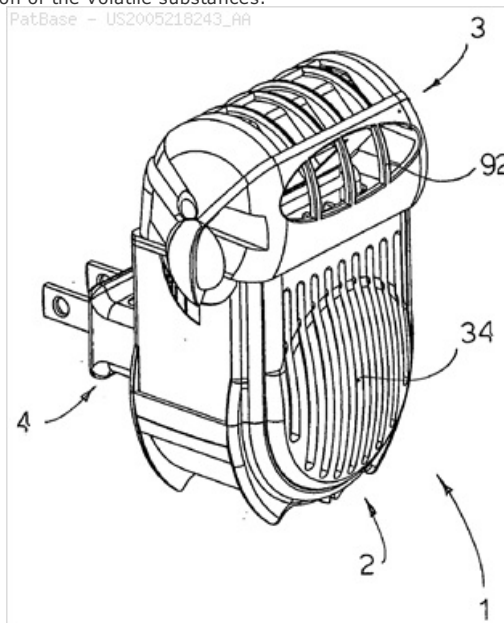
Title: DIFFUSER DEVICE FOR VOLATILE SUBSTANCES

Abstract: A diffuser device (1) for volatile substances comprises a motor unit (2) and a refill unit (3) which can be assembled with each other. The motor unit (2) comprises a fan (6) for sucking in air comprising a body (60) and an electric motor (M1) which drives a plurality of blades (62) in rotation, electrical power supply means (4, 5) for the motor (M1) and a structure (20, 21) to support the fan (6) and the power supply means (4, 5). The refill unit comprises a refill of volatile substances (9), air filtering means (90) and a support structure (30) for the refill (9) and the filtering means (90). The filtering means (90) are situated upstream of the fan (6) to filter all the air sucked in by the fan (6). A laminar air flow generated in the fan body (60) strikes the refill (90) to favour diffusion of the volatile substances.

Classifications:**International (IPC 8-9):** A01M1/20 A61L9/12

B01D50/00 (Advanced/Invention);

A01M1/20 A61L9/12 B01D50/00 (Core/Invention)

International (IPC 1-7): A24F25/00 A61L9/04 A61L9/12**CPC:** Y10S261/88 A61L9/122 A01M1/2033 A01M1/2044**European:** A01M1/20C2F A01M1/20C2L A61L9/12F**US:** 239/34 239/35 239/55 239/58 261/30 261/DIG.88 422/124 96/222**Family:**

Publication number	Publication date	Application number	Application date
AT363296 E	20070615	AT20040021680T	20040913
DE602004006717 D1	20070712	DE200460006717T	20040913
DE602004006717 T2	20080124	DE200460006717T	20040913
EP1586335 A1	20051019	EP20040021680	20040913
EP1586335 B1	20070530	EP20040021680	20040913
ES2287616 T3	20071216	ES20040021680T	20040913
ITMI20040681 A1	20040706	IT2004MI00681	20040406
US2005218243 AA	20051006	US20040941683	20040915
US7204870 BB	20070417	US20040941683	20040915

Priority:

IT2004MI00681 20040406

Probable Assignee: ZOBELE HOLDING SPA**Assignee(s): (std):** ZOBELE HOLDING S P A ; ZOBELE HOLDING SPA**Assignee(s):**

BANCA DI TRENTO E BOLZANO SPA ; BANCO BILBAO VIZCAYA ARGENTARIA SA ; BANCO POPOLARE DI VERONA E NOVARA SCARL ; BAYERISCHE HYPO U VEREINSBANK AG ; CASSA DI RISPARMIO DI PADOVA E ROVIGO SPA ; DEUTSCHE BANK SPA ; INTERBANCA SPA ; EFIBANCA SPA ; FORTIS BANK SA NV ; GE CORPORATE FINANCE BANK SAS ; IKB DEUTSCHE INDUSTRIEBANK AG ; MEDIOCREDITO TRENTO ALTO ADIGE SPA ; MONTE DEI PASCHI DI SIENA BANCA PER L'IMPRESA SPA ; NATRIX SA ; UNICREDIT BANCA D'IMPRESA SPA ; FORTIS BANK NV SA ; MONTE DEI PASCHI DI SIENA BANCA PER L'IMPRESA SPA ; UNICREDIT BANCA D'IMPRESA SPA

Inventor(s): (std): MARCHETTI FABIO ; ZOBELE FRANCO**Agent(s):** MERCHANT AND GOULD PC**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**42) Family number: 8317469 (US4282673A)**

© PatBase

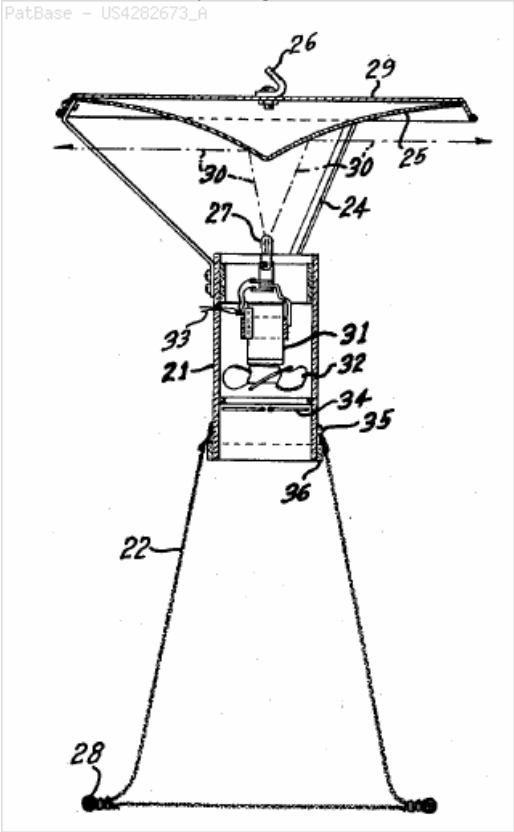
Title: Flying insect trap

Abstract: A device for trapping live flying insects, such as mosquitoes including an electric light reflected by a parabolic reflector horizontally in all directions to attract the mosquitoes, and electric fan to blow the mosquitoes downwardly into a collection bag, and a valve between the fan and the collection bag which is biased to close the entrance to the collection bag

when the fan is not operating and to be opened by the force of air from the fan when it is operating.

Classifications:

International (IPC 8-9): A01M1/08 (Advanced/Invention);
A01M1/08 (Core/Invention)
International (IPC 1-7): A01M1/04 A01M1/06
CPC: A01M1/08 A01M2200/012
European: A01M1/02B A01M1/08 K01M200/012 K01M201/02
US: 43/113 43/139



Family:

Publication number	Publication date	Application number	Application date
US4282673 A	19810811	US19790050814	19790621

Priority:

US19790050814 19790621

Probable Assignee:

FOCKS DANA A

Assignee(s): (std):

FOCKS DANA A ; HOCK JOHN W

Inventor(s): (std):

FOCKS DANA A ; HOCK JOHN W

43) Family number: 48765469 (US2011088309A)

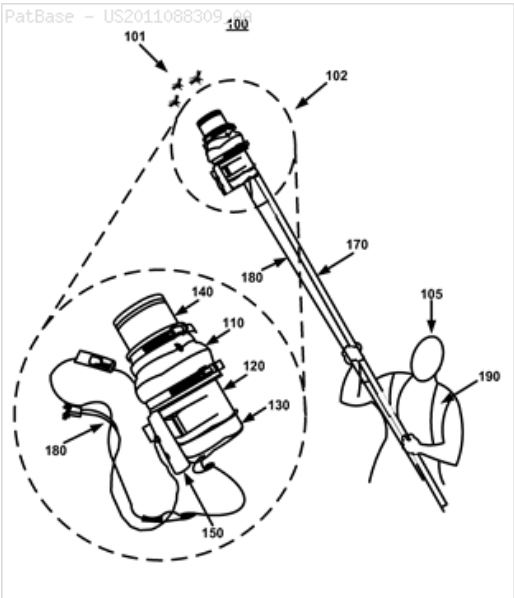
© PatBase

Title: DEVICE FOR CAPTURING INSECTS

Abstract: In one aspect, a device for capturing at least one living subject is disclosed. In one embodiment, the device has a housing means with a body portion defined between a first end and a second end and forming a bore inside along the longitudinal axis. An airflow generation means and a connected driving means are disposed within the housing means, and a collection means with a filter portion is received at least partially within the housing means. A handle means is connected to the housing means, and a power source means is connected to the driving means and physically separated from the housing means.

Classifications:

International (IPC 8-9): A01M5/02 (Advanced/Invention)
CPC: A01M3/005
European: A01M3/00G
US: 43/107 43/107P



Family:

Publication number	Publication date	Application number	Application date
US2011088309 AA	20110421	US20100898280	20101005

Priority:

US20090248652P 20091005 US20100898280 20101005

Probable Assignee: EMORY UNIV

Assignee(s): (std): EMORY UNIV OFFICE OF TECHNOLOGY TRANSFER ; EMORY UNIVERSITY OFFICE OF TECHNOLOGY TRANSFER

Assignee(s): EMORY UNIV

Inventor(s): (std): KITRON URIEL ; GALVIN WILLIAM A ; VAZQUEZ PROKOPEC GONZALO M

44) Family number: 33537495 (WO0000016A1)

© PatBase

Title: LIQUID TRANSFER DEVICE, AND USE OF THE DEVICE FOR IRRIGATION

Abstract: The present invention relates to a liquid transport device comprising a reservoir and a liquid conduit comprising an inlet and an outlet, wherein the inlet is connected to the reservoir, wherein the device further comprises a membrane hermetically sealed to the conduit in the region of the outlet, the membrane being liquid permeable and having an average pore size not greater than 100 micrometers and a thickness of less than 1 mm. The invention further relates to the use of the liquid transport device for the irrigation of plants.

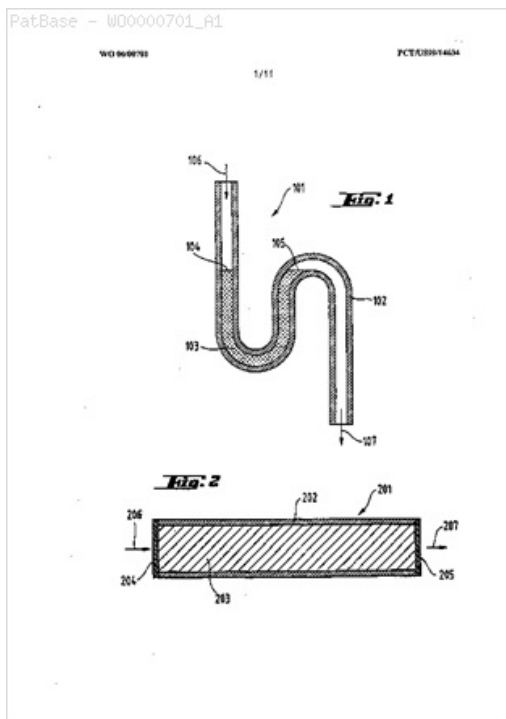
Classifications:

International (IPC 8-9): A01G25/02 A01G25/06 A01G27/00 A01G7/00 A61F13/15 A61F13/36 A61F13/49 A61F13/53 A61F13/534 A61F5/44 A61F5/451 B01D17/00 B01D17/02 B01D17/022 B01D61/00 B01J20/28 B32B5/00 B32B5/18 B65D47/20 E02B15/04 E02B15/10 F15D1/00 (Advanced/Invention); C02F1/40 C02F1/44 (Advanced/Non-invention); A01G25/00 A01G25/02 A01G27/00 A01G7/00 A61F13/15 A61F13/36 A61F5/44 A61F5/451 B01D17/00 B01D17/02 B01D61/00 B01J20/28 B32B5/00 B32B5/18 B65D47/04 E02B15/04 (Core/Invention); C02F1/40 C02F1/44 (Core/Non-invention)

International (IPC 1-7): A01G25/00 A01G27/00 A01G27/04 A47K7/02 A47L13/17 A61F13/00 A61F13/15 A61F13/42 B01D17/022 B01D61/00 B01J20/28 B65D47/20 C09K3/32 E02B13/00 E02B15/04 E02B5/08 F15D1/00

CPC: A61F13/15203 A61F13/537 A61F2013/1539 C02F1/40 C02F1/444 C02F2101/32

European: A61F13/15J A61F13/537 K61F13/15J8D2 M02F1/40 M02F1/44D M02F101/32



Family:

Publication number	Publication date	Application number	Application date
CL1999001431 A1	20000124	CL19990001431	19990630
TW482665 B	20020411	TW19990117685	19991013
TW495587 B	20020721	TW19990117684	19991013
WO0000016 A1	20000106	WO1999US14642	19990629
WO0000118 A2	20000106	WO1999US14632	19990629
WO0000118 A3	20000330	WO1999US14632	19990629
WO0000139 A2	20000106	WO1999US14641	19990629
WO0000139 A3	20000330	WO1999US14641	19990629
WO0000140 A2	20000106	WO1999US14646	19990629
WO0000140 A3	20000323	WO1999US14646	19990629
WO0000141 A2	20000106	WO1999US14648	19990629
WO0000141 A3	20000316	WO1999US14648	19990629
WO0000142 A2	20000106	WO1999US14649	19990629
WO0000142 A3	20000330	WO1999US14649	19990629
WO0000149 A2	20000106	WO1999US14795	19990629
WO0000149 A3	20000420	WO1999US14795	19990629
WO0000281 A1	20000106	WO1999US14643	19990629
WO0000406 A1	20000106	WO1999US14645	19990629
WO0000701 A1	20000106	WO1999US14634	19990629
WO0000702 A1	20000106	WO1999US14644	19990629
WO0110371 A1	20010215	WO1999US14647	19990629

Priority:

WO1998US13449 19980629 WO1998US13497 19980629 WO1998US13521 19980629
WO1998US13523 19980629

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BERG CHARLES JOHN JR ; DESAI FRED NAVAL ; DIRKSING ROBERT STANLEY ; EHNSPERGER BRUNO JOHANNES ; PROCTER AND GAMBLE ; LAVON GARY DEAN ; POURSANIDIS GEORGIOS ; GOLDMAN

STEPHEN ALLEN ; GRUENBACHER DANA PAUL ; SCHMIDT MATTIAS ; YOUNG GERALD ALFRED ;
SCHOENE RAINER WALTER ; WNUK ANDREW JULIAN ; SCHUMANN KARL MICHAEL ; GERLACH
CHRISTIAN GERHARD FRIE ; ROE DONALD CARROLL

Assignee(s): PROCTER AND ; THE PROCTER AND GAMBLE COMPANY ; GERLACH CHRISTIAN GERHARD FRIEDRICH ;
GAMBLE CO ; PROCTER AND GAMBLE CO

Inventor(s): (std): BERG CHARLES JOHN JR ; DESAI FRED NAVAL ; DIRKSING ROBERT STANLEY ; EHRNSPERGER BRUNO
JOHANNES ; GERLACH CHRISTIAN GERHARD FRIE ; GOLDMAN STEPHEN ALLEN ; GRUENBACHER DANA
PAUL ; LAVON GARY DEAN ; POURSANIDIS GEORGIOS ; ROE DONALD CARROLL ; SCHMIDT MATTIAS ;
SCHOENE RAINER WALTER ; SCHUMANN KARL MICHAEL ; WNUK ANDREW JULIAN ; YOUNG GERALD
ALFRED

Inventor(s): POURSANIDIS G ; EHRNSPERGER BJ ; EHRNSPERGER B J ; LAVON GARY DEAN AND ; GERLACH
CHRISTIAN GERHARD FRIEDRICH

Agent(s): HARNECKER

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

45) Family number: 52813501 (US2013014429A)

© PatBase

Title: SYSTEMS AND METHODS FOR INSECT EXTERMINATION

Abstract: A system, a method, and a device for exterminating insects are provided. The system includes a housing having a heating chamber, a fan disposed inside the housing and coupled to the heating chamber. The heating chamber includes a first heating element, a tube having a proximal end and a distal end. The proximal end of the tube is coupled to the housing. The distal end includes at least one second heating element. Upon activation, the fan creates a suction effect throughout the tube and causes an insect from a surface to be drawn into the distal end. When the insect is drawn into the distal end, the second heating element applies heat to initially exterminate the insect. Then, the insect is drawn in to the heating chamber. The first heating element performs final extermination of the insect and deposits the insect inside the heating chamber.

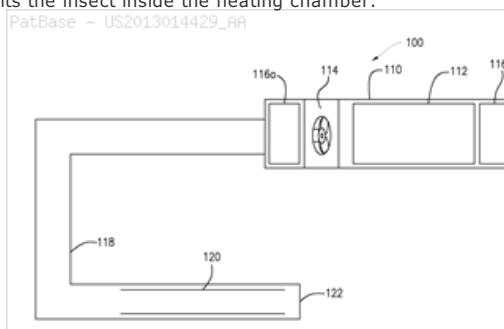
Classifications:

International (IPC 8-9): A01M1/06 A01M1/20 (Advanced/Invention)

CPC: A01M1/2094 A01M1/06

US: 1/1 43/139

PatBase - US2013014429_HH



Family:

Publication number	Publication date	Application number	Application date
EP2731424 A1	20140521	EP20120810937	20120711
EP2731424 A4	20150318	EP20120810937	20120711
US2013014429 AA	20130117	US20120546196	20120711
US9198409 BB	20151201	US20120546196	20120711
WO13009803 A1	20130117	WO2012US46160	20120711

Priority:

US20110507443P 20110713 US20120546196 20120711 WO2012US46160 20120711

Probable Assignee: J AND C INNOVATIONS LLC

Assignee(s): (std): J AND C INNOVATIONS LLC ; MESKOURIS CHRIS ; MESKOURIS JAMES

Inventor(s): (std): MESKOURIS JAMES ; MESKOURIS CHRIS

Agent(s): PENDERED TIMOTHY GEORGE; MICHAEL J; MATVENKO BORIS A ET AL

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 LI 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

46) Family number: 70604505 (CO20170004911A)

© PatBase

Title: TRAMPA PARA MONITOREO, PREVENCIÓN Y CONTROL DE INSECTOS TRANSMISORES DE MALARIA Y LEISHMANIASIS
Insect trap for monitoring, PREVENTION AND CONTROL OF MALARIA AND LEISHMANIASIS TRANSMITTERS (Machine
translation)

Abstract: Source: CO20170004911A [ES] Una trampa para insectos que comprende un cilindro principal que constituye una estructura para contener un motor que mueve un ventilador, un arreglo de luces de LED que actúa como cebo para los insectos, un gancho para colgar la trampa, una malla para retener los insectos que caen en la trampa y un sistema de baterías, en donde el sistema de baterías es modular y puede acoplarse o desacoplarse de la trampa según sea necesario

Machine translation: An insect trap comprising a main cylinder constituting a structure to contain a motor that drives a fan, an array of LED lights which acts as bait for insects, a hook for hanging the trap, a mesh to retain the insects that fall into the trap and a battery system, wherein the battery system is modular and can be coupled or decoupled from the trap as needed

Classifications:

International (IPC 8-9): A01M1/10 A01M1/12 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
CO20170004911 A1	20180719	CO20170004911	20170516

Priority:

CO20170004911 20170516

Probable Assignee: UNIV ANTIOQUIA

Assignee(s): (std): UNIV ANTIOQUIA

Assignee(s): UNIVERSIDAD DE ANTIOQUIA

Inventor(s): (std): CUARTAS MAURICIO ; RUIZ LOPEZ JOHN FREDDY ; VELEZ BERNAL IVAN DARIO ; VERGARA SANCHEZ DIEGO ALEJANDRO

Inventor(s): DIEGO ALEJANDRO VERGARA SANCHEZ ; IVAN DARIO VELEZ BERNAL ; JOHN FREDDY RUIZ LOPEZ ; MAURICIO CUARTAS

Agent(s): JOSE ANDRES RINCON USCATEGUI

47) Family number: 30048531 (US2003103910A)

© PatBase

Title: CHEWING GUM

Abstract: A gum, lollipop and lozenge having at least two separate components, the first component having desirable taste characteristics and the second component having a diet control composition incorporated therein.

Classifications:

International (IPC 8-9): A23G3/00 A23G3/36 A23G3/48 A23G3/54 A23G4/00 A23G4/06 A23G4/12 A23G4/20 A61B10/00 A61B5/00 A61B5/11 A61B5/15 A61C19/06 A61F5/00 A61F5/56 A61K31/047 A61K31/366 A61K31/40 A61K31/436 A61K31/438 A61K31/4704 A61K31/505 A61K31/519 A61K31/58 A61K31/65 A61K31/715 A61K35/00 A61K35/74 A61K35/741 A61K35/742 A61K35/744 A61K35/745 A61K35/747 A61K35/748 A61K36/254 A61K36/258 A61K36/71 A61K36/77 A61K36/82 A61K38/17 A61K38/46 A61K39/00 A61K39/07 A61K39/35 A61K39/39 A61K39/395 A61K45/06 A61K47/00 A61K49/00 A61K8/97 A61K9/00 A61K9/68 A61K9/70 A61M31/00 A61N1/36 A61P1/16 A61Q11/00 C07K16/00 C07K16/28 C12G3/06 C12M1/34 C12N1/20 C12N15/74 C12N15/90 C12Q1/70 C12R1/00 G01N33/569 G08B13/08 G08B21/22 G08B23/00 (Advanced/Invention);

A61K35/00 A61K39/00 A61Q11/00 C12R1/00

G08B21/24 (Advanced/Non-invention)

International (IPC 1-7): A01N25/00 A23G3/00 A23G3/30 A61K35/78 A61K47/00 A61K7/16 A61K7/26 A61K9/28 A61K9/68

CPC: A61K9/0056 A23G4/126 A61K9/0058 A61K36/77 A61Q11/00 A61K2300/00 A23V2200/332 A23V2250/2124 A23V2250/21 A23G3/362 A23G3/368 A23G3/48 A23G3/54 A23G3/545 A23G4/064 A23G4/068 A23G4/20 A23G4/205 A23V2002/00 A61K36/258 A61K36/82 Y10S514/909 C12G3/06 A61B5/7455 A61B5/0026 A61B5/7282 A61B10/0038 A61B10/0051 A61B5/15 A61B5/742 A61B5/7405 A61B5/6887 G01N33/56983 A61B5/411 A61B5/6803 A61B5/6804 A61B5/6822 A61B5/6891 A61B2562/0257 G01N2333/075 G01N2469/20 G01N2800/044 A61B5/6898 A61B5/6893 A61B5/6897 A61B2560/0418 A61B5/746 A61B5/1114 A61K9/006 A61K31/4704 A61K31/65 A61K31/519 A61C19/066 A61K9/7007 A61M31/00 A61K31/047 A61K39/39541 A61K35/744 C07K16/2869 A61K49/0045 A61K49/0069 A61M31/002 A61K39/395 A61K2039/505 C07K16/00 C12N15/74 C12N15/902 A61K2039/542 A61K31/715 A61K38/1709 A61K2035/11 C12Y301/03048 A61K31/546 A61K31/7052 A61K39/35 A61K39/39 A61K2039/541 A61K2039/544 A61K2039/55 A61K2039/55583 A61K2039/577 A61K2039/70 A61K35/74 A61K31/366 A61K31/40 A61K31/436 A61K31/505 A61K31/58 A61K38/1758 A61K38/465 A61K9/0014 A61K9/0034 A61K9/0043 A61K9/0053 A61K35/748 C12N1/20 A61K9/007 A61K39/0008 A61K35/741 A61K35/742 A61K35/745 A61K35/747 A61K39/0007 A61K45/06 A61K2039/58 A61F5/566 C12N2310/20 C12R1/00 A61K9/0063 C12R1/01 A61F5/0003 A61P1/16 A61P3/02 A61K31/438 A61K39/07 C12Y301/03067

European: A23G3/00 A23G3/00+D4 A23G3/00+H6 A23G3/00+H8 A23G3/30 A23G3/30+D14 A23G3/30+D4 A23G3/30+H6 A23G3/30+H8 A23G3/36F A23G3/36M4 A23G3/48 A23G3/54 A23G3/54H A23G4/06F A23G4/06P A23G4/12V A23G4/20 A23G4/20H A61B5/11N2 A61B5/41B A61B5/68B1B A61B5/68B1D A61B5/68B2D A61B5/68F3 A61F5/56B A61K36/258 A61K36/77 A61K9/00M18B A61K9/00M18B2 G01N33/569K K23V2/00 K61B562/02K S01N333/075 S01N469/20 S01N800/04B

US: 1/1 128/848 340/573.1 340/686.1 424/10.32 424/130.1 424/203.1 424/275.1 424/282.1 424/435 424/439 424/44 424/440 424/440P 424/440S 424/441 424/443 424/448 424/48P 424/48S 424/58 424/726 424/726S 424/728 424/728S 424/729 424/729S 424/756 424/756S 424/93.2 424/93.3 426/3 426/5 426/5P 426/660 435/287.2 435/471 435/5 439/440 514/909 600/300 600/300P 600/595 604/309 607/45 607/58

Family:

Publication number	Publication date	Application number	Application date
AU200138852 A1	20010424	AU20010038852	20000919
AU200138852 A5	20010424	AU20010038852	20000919
US2003103910 AA	20030605	US20020316700	20021210
US2004037788 AA	20040226	US20030646503	20030821
US2006024354 AA	20060202	US20050084707	20050317
US2008317902 AA	20081225	US20080052054	20080320
US2011144453 AA	20110616	US20100949458	20101118
US2012222685 AA	20120906	US20120367052	20120206
US2012276525 AA	20121101	US20100510635	20101118
US2014066817 AA	20140306	US20130078718	20131113
US2014227387 AA	20140814	US20140220224	20140320
US2014238411 AA	20140828	US20140225503	20140326
US2014294915 AA	20141002	US20140283459	20140521
US2015174178 AA	20150625	US20140574517	20141218
US2015290026 AA	20151015	US20150752192	20150626
US2016074505 AA	20160317	US20150954074	20151130

PatBase - US2003103910_AA

Patent Application Publication Jun. 5, 2003 Sheet 1 of 2 US 2003/0103910 A1

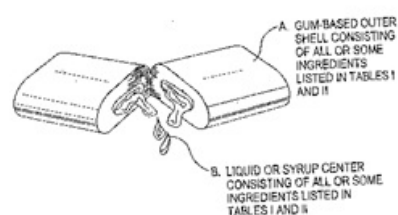


FIG. 1

US2016302739 AA	20161020	US20160195314	20160628
US2016339064 AA	20161124	US20160228454	20160804
US2016374941 AA	20161229	US20160200210	20160701
US2017021011 AA	20170126	US20160270034	20160920
US2017071986 AA	20170316	US20160342642	20161103
US2017100328 AA	20170413	US20160378425	20161214
US2017100329 AA	20170413	US20160384716	20161220
US2017100330 AA	20170413	US20160385278	20161220
US2017106025 AA	20170420	US20160395419	20161230
US2017106026 AA	20170420	US20160392173	20161228
US2017119827 AA	20170504	US20170403823	20170111
US2017151293 AA	20170601	US20160379579	20161215
US2017173085 AA	20170622	US20170437976	20170221
US2017348359 AA	20171207	US20170639767	20170630
US2018263808 AA	20180920	US20180983250	20180518
US2018303658 AA	20181025	US20180020433	20180627
US2018360394 AA	20181220	US20180100492	20180810
US2019015322 AA	20190117	US20180136950	20180920
US2019022151 AA	20190124	US20180139232	20180924
US2019029871 AA	20190131	US20180142171	20180926
US2019038680 AA	20190207	US20180160336	20181015
US2019117709 AA	20190425	US20180229252	20181221
US2019142934 AA	20190516	US20190246652	20190114
US6491540 BA	20021210	US20000664630	20000919
US6652839 BB	20031125	US20020316700	20021210
US6869614 BB	20050322	US20030646503	20030821
US7351425 BB	20080401	US20050084707	20050317
US8585588 BB	20131119	US20100510635	20101118
US8591412 BB	20131126	US20100949458	20101118
US8679522 BB	20140325	US20080052054	20080320
US8701671 BB	20140422	US20120367052	20120206
US9253991 BB	20160209	US20140220224	20140320
US9387168 BB	20160712	US20140283459	20140521
US9408559 BB	20160809	US20130078718	20131113
US9408880 BB	20160809	US20140574517	20141218
US9445936 BB	20160920	US20140225503	20140326
US9457077 BB	20161004	US20150954074	20151130
US9549842 BB	20170124	US20150752192	20150626
US9585920 BB	20170307	US20160228454	20160804
US9730967 BB	20170815	US20170437976	20170221
US9750802 BB	20170905	US20160270034	20160920
US9987224 BB	20180605	US20160384716	20161220
US10010568 BB	20180703	US20160342642	20161103
US10045742 BB	20180814	US20160195314	20160628
US10085938 BB	20181002	US20160385278	20161220
US10086018 BB	20181002	US20160395419	20161230
US10086024 BB	20181002	US20160379579	20161215
US10111913 BB	20181030	US20170403823	20170111
US10245288 BB	20190402	US20160392173	20161228
US10314865 BB	20190611	US20170639767	20170630
US10314866 BB	20190611	US20180160336	20181015
WO0121147 A1	20010329	WO2000US25608	20000919
WO11063131 A1	20110526	WO2010US57248	20101118

Priority:

US19990154972P	19990920	US20000664630	20000919	WO2000US25608	20000919
US20020316700	20021210	US20030646503	20030821	US20050084707	20050317
US200800052054	20080320	US20090262337P	20091118	US20100949458	20101118
US20100510635	20101118	WO2010US57248	20101118	US20110439652P	20110204
US20110467767P	20110325	US20110556023P	20111104	US20120367052	20120206
US20120425913	20120321	US20120510635	20120702	US20130078718	20131113
US20130079054	20131113	US20130919297P	20131220	US20140220224	20140320
US20140225503	20140326	US20140283459	20140521	US20140307651	20140618
US20140014855P	20140620	US20140104855P	20140620	US20140053926P	20140923
US20140502097	20140930	US20140072476P	20141030	US20140574517	20141218
US20150611458	20150202	US20150752192	20150626	US20150954074	20151130
US20150260906P	20151130	US20150387404P	20151224	US20150387405P	20151224
US20160274550P	20160104	US20160275341P	20160106	US20160277571P	20160112
US20160277568P	20160112	US20160278046P	20160113	US20160296186P	20160217
US20160195314	20160628	US20160200210	20160701	US20160228454	20160804
US20160270034	20160920	US20160342642	20161103	US20160378425	20161214
US20160379579	20161215	US20160385278	20161220	US20160384716	20161220
US20160392173	20161228	US20160395419	20161230	US20170403823	20170111
US20170437976	20170221	US20170639767	20170630	US20180983250	20180518
US20180020433	20180627	US20180100492	20180810	US20180136950	20180920
US20180139232	20180924	US20180142171	20180926	US20180160336	20181015
US20180229252	20181221	US20190246652	20190114		

Probable Assignee: NOHANDS LLC

Assignee(s): (std): KOVARIK JOSEPH E ; KOVARIK KATHERINE R ; KOVARIK KATHERINE ROSE ; MASTERCARE ; NOHANDS LLC ; BARRECA JACK ; ZAROURI MOURAD

Assignee(s): JUMP INNOVATIONS LLC ; SHERIDAN ROSS PC

Inventor(s): (std): BARRECA JACK ; ZAROURI MOURAD ; KOVARIK KATHERINE ROSE ; KOVARIK KATHERINE R ; KOVARIK JOSEPH E

Inventor(s): JACK BARRECA

Agent(s): SHERIDAN ROSS PC; KOVARIK JOSEPH E

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 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 RO RS RU 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 YU ZA ZM ZW

48) Family number: 64905539 (US2017046938A)

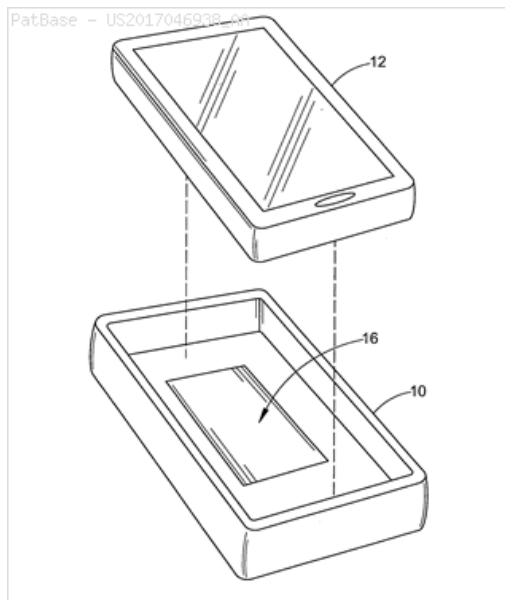
© PatBase

Title: MONITORING SYSTEM FOR USE WITH MOBILE COMMUNICATION DEVICE

Abstract: A monitoring system for monitoring an environment and generating data in response to the presence of at least one chemical hazardous to human health in the environment. The monitoring system is configured to communicate the data to an associated personal communication device or the like for processing. The monitoring system can be in the form a selectively attachable component.

Classifications:

International (IPC 8-9): A01K51/00 G01N33/00 G01N33/18 G08B21/08 G08B21/12 G08B21/18 G08B25/10 H04B1/3888 H04M1/02 H04M1/725 (Advanced/Invention); G01N33/00 G01N33/497 G08B25/10 H04M1/21 (Advanced/Non-invention)
CPC: G08B21/12 H04B1/3888 G01N33/0009 G01N33/4972 H04M1/21 A01K51/00 G01N33/0036 G08B21/182 G01N33/1826 C02F2103/42 G08B21/08 A01K47/06 G01N33/0063 H04M1/7253 G08B21/14 G08B21/16 G08B25/08 G08B25/10
US: 340/539.11



Family:

Publication number	Publication date	Application number	Application date
US2017046938 AA	20170216	US20160235981	20160812
US2018182223 AA	20180628	US20180891410	20180208
US2018288977 AA	20181011	US20180951500	20180412
US2018321214 AA	20181108	US20180988608	20180524
US2018330594 AA	20181115	US20180914025	20180307
US9922525 BB	20180320	US20160235981	20160812

Priority:

US20150205012P	20150814	US20160297385P	20160219	US20160235981	20160812
US20170468072P	20170307	US20170485084P	20170413	US20170511577P	20170526
US20180891410	20180208	US20180914025	20180307	US20180951500	20180412
US20180988608	20180524				

Probable Assignee: ELECTRONIC PATENT ASSIGNMENT SYSTEM

Assignee(s): (std): ELECTRONIC PATENT ASSIGNMENT SYSTEM ; HUMMER GREGORY J ; HUMMER MATTHEW

Inventor(s): (std): HUMMER GREGORY J ; HUMMER MATTHEW

Agent(s): FAY SHARPE LLP

49) Family number: 32573549 (US2008070291A)

© PatBase

Title: COMPOSITIONS AND METHODS FOR ENZYMATIC DECOLORIZATION OF CHLOROPHYLL

Abstract: The invention provides compositions and methods for the enzymatic treatment ("bleaching" or "de-colorizing") of chlorophyll-comprising compositions, e.g., algae preparations, chlorophyll-containing or chlorophyll-contaminated feeds, foods or oils, for example, vegetable oils, including oils processed from oilseeds, such as canola (rapeseed) oil or soybean oil, or oil fruits, such as palm oil. In one aspect, the invention provides methods using a chlorophyllase enzyme for the enzymatic hydrolysis of chlorophyll in an algae, an animal (e.g., a fish) or plant preparation, a food or an oil. In one aspect, the chlorophyllase is immobilized onto a silica. The invention also provides compositions of manufacture and detergents.

Classifications:

International (IPC 8-9): A01H1/00 A01H5/00 A01K67/00 A01K67/027 A23D7/00 A23K1/00 A23K1/16 A23K1/165 A23L1/227 A23L1/27 A23L1/272 A23L5/40 A61K31/713 A61K38/44 C07G17/00 C07G99/00 C07H21/04 C07K1/00 C07K14/00 C07K16/00 C07K16/40 C07K19/00 C11B3/00 C11B3/02 C11C3/00 C11C3/04 C11D3/386 C11D7/42 C12H1/04 C12N1/15 C12N1/19 C12N1/21 C12N11/00 C12N15/00 C12N15/09 C12N15/11 C12N15/113 C12N15/55 C12N15/63 C12N15/82 C12N5/00 C12N5/02 C12N5/04 C12N5/10 C12N9/06 C12N9/12 C12N9/14 C12N9/16 C12N9/18 C12N9/90 C12P1/00 C12P7/04 C12P7/44 C12P7/62 C12P7/64 C12P9/00 C12Q1/44 C12Q1/527 C12Q1/68 C12S3/00 C12S3/18 C40B50/06 D06M16/00 G01N33/50 G01N33/53 G01N33/573 G06F19/22 (Advanced/Invention);

C12P21/08 (Advanced/Non-invention);
A01H1/00 A01H5/00 A01K67/027 A23K1/00 A23K1/16 A23K1/165
A23L1/27 C07H21/00 C07K1/00 C07K14/00 C07K16/00 C07K16/40
C07K19/00 C11B3/00 C11C3/00 C11D3/38 C12N1/15 C12N1/19
C12N1/21 C12N11/00 C12N15/09 C12N15/82 C12N5/10 C12N9/06
C12N9/18 C12N9/90 C12P7/02 C12P7/40 C12P7/62 C12P9/00
C12Q1/44 C12Q1/527 C12Q1/68 (Core/Invention);
C12P21/08 (Core/Non-invention)

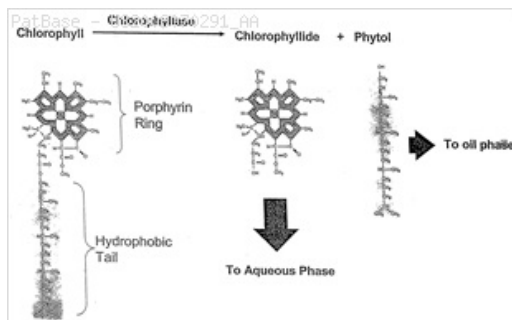
International (IPC 1-7): C07H21/00 C12N9/06

CPC: C12P7/6445 C12P7/6454 C12P7/6472 C12P7/6481 C12P7/649
Y02E50/13 C12P7/6418 C12P7/6427 A23K10/14 C11B3/003
C12N9/18 C12Y301/01014 A23L5/49

European: A23K1/165B1 A23L1/277 C11B3/00C C12N9/18
C12P7/64C2 C12P7/64C4 C12P7/64E2 C12P7/64E2B C12P7/64E2F
C12P7/64E2H C12P7/64E4 C12Y301/01014 M07K203/00

US: 1/1 426/442 426/442S 435/134 435/142 435/142P 435/176

435/176S 435/177 435/177S 435/183 435/183S 435/195 435/252.3 435/252.300S 435/254.11 435/254.110S 435/255.1
435/255.100S 435/263 435/263S 435/267 435/267P 435/320.1 435/320.100S 435/325 435/325S 435/328 435/328S 435/348
435/348S 435/419 435/419S 435/455 435/455S 435/69.1 435/69.100S 435/7.4 435/7.400S 435/7.6 435/7.600S 435/91.2
435/91.200S 506/16 506/16S 506/18 506/18S 530/300 530/300S 530/350 530/350S 530/387.9 530/387.900S 530/402
530/402S 530/403 530/403S 536/23.6 536/23.600S 536/24.3 536/24.300S 536/24.33 536/24.330S 536/24.5 536/24.500S
536/25.4 536/25.400S 800/18 800/18S 800/306 800/306S 800/312 800/312S 800/317.2 800/317.200S 800/317.3
800/317.300S 800/317.4 800/317.400S 800/320 800/320.1 800/320.100S 800/320.2 800/320.200S 800/320.3 800/320.300S
800/320S



Family:

Publication number	Publication date	Application number	Application date
AU2005264938 AA	20060126	AU20050264938	20050614
AU2005264938 BB	20111124	AU20050264938	20050614
AU2012200864 AA	20120308	AU20120200864	20120215
BRPI0510939 A	20070717	BR2005PI10939	20050614
CA2570872 AA	20061215	CA20052570872	20050614
CN101432292 A	20090513	CN200580027938	20050614
CN101432292 B	20130313	CN200580027938	20050614
CN103173282 A	20130626	CN201310031421	20050614
DE602005042767 D1	20140410	DE200560042767T	20050614
DE602005046236 D1	20150513	DE200560046236T	20050614
EA013993 B1	20100830	EA20070000032	20050614
EA2007000032 A1	20080829	EA20070000032	20050614
EP1791853 A2	20070606	EP20050762779	20050614
EP1791853 A4	20091021	EP20050762779	20050614
EP1791853 B1	20140226	EP20050762779	20050614
EP2468853 A1	20120627	EP20120150400	20050614
EP2468853 B1	20150401	EP20120150400	20050614
ES2461857 T3	20140521	ES20050762779T	20050614
ES2540728 T3	20150713	ES20120150400T	20050614
IN00146KN2007 A	20070629	IN2007KN00146	20070111
JP20080505619 T2	20080228	JP20070516623T	20050614
US2008070291 AA	20080320	US20050570169	20050614
US2008305531 AA	20081211	US20050575066	20050909
US2011306117 AA	20111215	US20110103276	20110509
US2014193866 AA	20140710	US20130902739	20130524
US2015203786 AA	20150723	US20150671575	20150327
US2015344918 AA	20151203	US20150615524	20150206
US2016168604 AA	20160616	US20150966047	20151211
US8557551 BB	20131015	US20050575066	20050909
US9017990 BB	20150428	US20110103276	20110509
US9034612 BB	20150519	US20130902739	20130524
US9243267 BB	20160126	US20150615524	20150206
US949844 BB	20161122	US20150966047	20151211
WO06009676 A2	20060126	WO2005US20866	20050614
WO06009676 A3	20090416	WO2005US20866	20050614
WO06031699 A2	20060323	WO2005US32351	20050909
WO06031699 A3	20090416	WO2005US32351	20050909

Priority:

US20040580447	20040616	US20040580447P	20040616	US20040609125P	20040910
AU20050264938	20050614	EP20050762779	20050614	US20050570169	20050614
EP20120150400	20050614	WO2005US20866	20050614	US20050575066	20050909
WO2005US32351	20050909	US20070570169	20071102	US20070575066	20071109
US20110103276	20110509	AU20120200864	20120215	US20130902739	20130524
US20150615524	20150206	US20150671575	20150327	US20150966047	20151211

Probable Assignee: ROYAL DSM NV

Assignee(s): (std): DIVERSA CORP ; LAM DAVID ; WEINER DAVID ; HITCHMAN TIMOTHY ; VERENIUM CORP ; DSM IP ASSETS BV ; BARTON NELSON ; BARTON NELSON R ; BARTON NELSON ROBERT ; BURK MARK ; BURK MARK J ; LYON JONATHAN ; ROYAL DSM NV

Assignee(s): COMERICA BANK A TEXAS BANKING ASSOCIATION ; DSM FOOD SPECIALITIES BV ; DSM FOOD SPECIALITIES BV ; DSM FOOD SPECIALITES BV

Inventor(s): (std): BURK MARK ; MARK BURK ; DAVID LAM ; DAVID WEINER ; TIMOTHY HITCHMAN ; ROBERT BARTON NELSON ; BARTON NELSON ; LYON JONATHAN ; LYON JONATHAN D ; BARTON NELSON R ; HITCHMAN TIM S ; BURK MARK J ; BARTON NELSON ROBERT ; HITCHMAN TIMOTHY ; WEINER DAVID ; LAM DAVID

Inventor(s): HITCHMAN TIMOTHY SAN DIEGO ; WEINER DAVID DEL MAR ; BURK MARK J SAN DIEGO ; LAM DAVID SAN MARCOS ; BARTON NELSON ROBERT SAN DIEGO ; MARK J BURK ; NELSON ROBERT BARTON

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; PHILLIPS ORMONDE FITZPATRICK; OGILVY RENAULT LLP SENCRL SRL; SMART AND BIGGAR; CAZEMIER ANNE ENGELINE; LEHMANN MARIA ISABEL; VERENIUM C O MOFO SD; BAKER DONELSON BEARMAN CALDWELL AND BERKOWITZ PC;

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

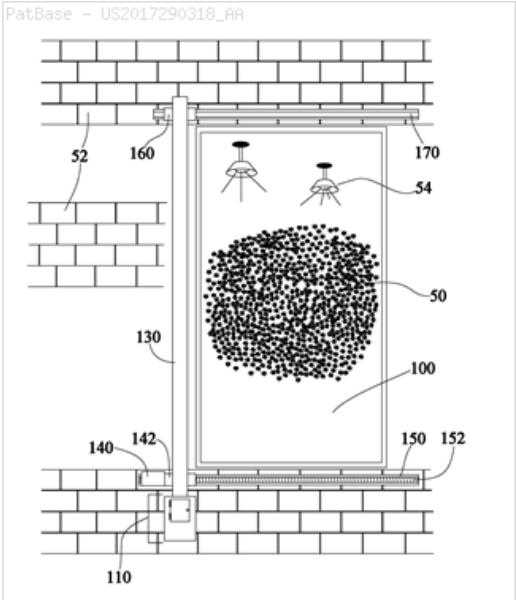
50) Family number: 67171555 (US2017290318A) © PatBase

Title: STAGING SURFACE FLYING INSECT TRAP

Abstract: Devices are embodied that eliminate flying insect pests in quite a different way than others devices have used in the past. If insects are attracted to a surface large enough to accommodate their numbers and allowed to gather for a time without being restrained or bothered, it is possible by way of these embodiments at a single location to eliminate insects in very large number on a daily basis. Depending on a device's size and embodiment, from several hundred to far in excess of one hundred thousand flying insects per twenty-four hour period can be eliminated.

Classifications:

International (IPC 8-9): A01M1/02 A01M1/06 A01M1/08 A01M1/10
A01M1/22 A01M1/24 A01N25/08 (Advanced/Invention)
CPC: A01M1/08 A01M1/023 A01M1/06 A01M1/106 A01M1/24
A01M1/223 A01M1/226



Family:

Publication number	Publication date	Application number	Application date
US2017290318 AA	20171012	US20170484103	20170410

Priority:

US20160320610P 20160410 US20170484103 20170410

Probable Assignee: BERGENGREN JOHN RODERIC

Assignee(s): (std): BERGENGREN JOHN RODERIC

Inventor(s): (std): BERGENGREN JOHN RODERIC

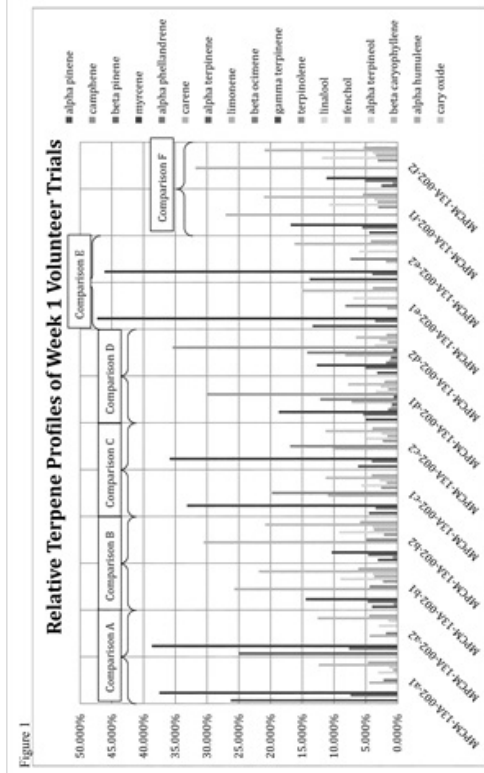
51) Family number: 57413557 (US2014287068A) © PatBase

Title: BREEDING, PRODUCTION, PROCESSING AND USE OF SPECIALTY CANNABIS

Abstract: The invention provides compositions and methods for the breeding, production, processing and use of specialty cannabis.

Classifications:

International (IPC 8-9): A01G1/00 A01H1/00 A01H1/02 A01H1/04
A01H4/00 A01H5/00 A01H5/02 A01H5/10 A01H5/12 A01H6/28
A01K65/00 A01N43/16 A23L33/105 A61K31/05 A61K31/352
A61K36/185 A61K9/72 A61P1/08 A61P11/00 A61P29/00 B65D81/03
B65D81/18 C12N15/82 C12N5/04 C12P17/06 (Advanced/Invention)
CPC: A01H5/00 C12N15/8243 A01H1/04 A01H4/00 A61K36/185
A01H4/008 A01H1/02 A23L33/105 A23V2002/00 A01G22/00
A01H5/02 A01H5/12 A01H5/10
US: 1/1 424/725 424/778 435/410 47/58.1R 800/260 800/266
800/298

**Family:**

Publication number	Publication date	Application number	Application date
CA2911168 AA	20151030	CA20142911168	20140715
CA2911168 C	20180814	CA20142911168	20140715
CA3012514 AA	20150507	CA20143012514	20140715
CA3013907 AA	20150507	CA20143013907	20140715
DE602014043261 D1	20190411	DE201460043261T	20140715
DK3062606 T3	20190624	DK20140747243T	20140715
EP3062606 A1	20160907	EP20140747243	20140715
EP3062606 B1	20190320	EP20140747243	20140715
LT3062606 T	20190710	LT20140747243T	20140715
MX2015013202 A1	20160407	MX20150013202	20140317
US2014287068 AA	20140925	US20140216744	20140317
US2014298511 AA	20141002	US20140216650	20140317
US2015359188 AA	20151217	US20150742493	20150617
US2015366154 AA	20151224	US20150742503	20150617
US2016324091 AA	20161110	US20160152253	20160511
US2017202170 AA	20170720	US20170400277	20170106
US2018064055 AA	20180308	US20170795904	20171027
US9095554 BB	20150804	US20140216744	20140317
US9370164 BB	20160621	US20150742493	20150617
US9642317 BB	20170509	US20160152253	20160511
WO14145490 A2	20140918	WO2014US30267	20140317
WO14145490 A3	20150108	WO2014US30267	20140317
WO15065544 A1	20150507	WO2014US46694	20140715

Priority:

US20130801528P	20130315	US20130897074P	20131029	US20140216744	20140317
US20140216650	20140317	WO2014US30267	20140317	CA20142911168	20140715
EP20140747243	20140715	WO2014US46694	20140715	US20150742493	20150617
US20150742503	20150617	US20160152253	20160511	US20170400277	20170106
US20170795904	20171027	CA20182911168	20180806	CA20182911168	20180905

Probable Assignee: BIOTECH INST LLC**Assignee(s):** (std): BIOTECH INST LLC**Assignee(s):** BIOTECH INST LLC WESTLAKE VILLAGE ; GIESE MATTHEW ; LEWIS MARK ANTHONY ; BACKES MICHAEL DANE**Inventor(s):** (std): LEWIS MARK ANTHONY ; BACKES MICHAEL DANE ; GIESE MATTHEW ; BACKES MICHAEL D ; GIESE MATTHEW W**Inventor(s):** MARK ANTHONY LEWIS ; MATTHEW GIESE ; MICHAEL DANE BACKES ; LEWIS MARK ANTHONY WESTLAKE VILLAGE ; GIESE MATTHEW WESTLAKE VILLAGE ; BACKES MICHAEL DANE WESTLAKE VILLAGE**Agent(s):** DEETH WILLIAMS WALL LLP; TORYS LLP; OLSWANG GERMANY LLP; STEPHEN ROBERT JOHN; CMS CAMERON MCKENNA NABARRO OLSWANG LLP; COOLEY LLP; VEITENHEIMER ERICH 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 LI 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: Insect trap

Abstract: Insects are killed by passing through a fan mounted inside a shaft. A pair of agitator tubes having inlets in fluid communication with the exhaust in the shaft direct exhaust from the fan over bait provided to attract the insects. The bait is contained in a receptacle spaced upstream from the shaft and which houses a light source and optionally an auxiliary heat source. The outlets of the agitator tubes are inside the receptacle so that any exhaust diverted from the shaft into the agitator tube will entrain vapors from the bait as the exhaust exits through a vent provided in the receptacle.

Classifications:

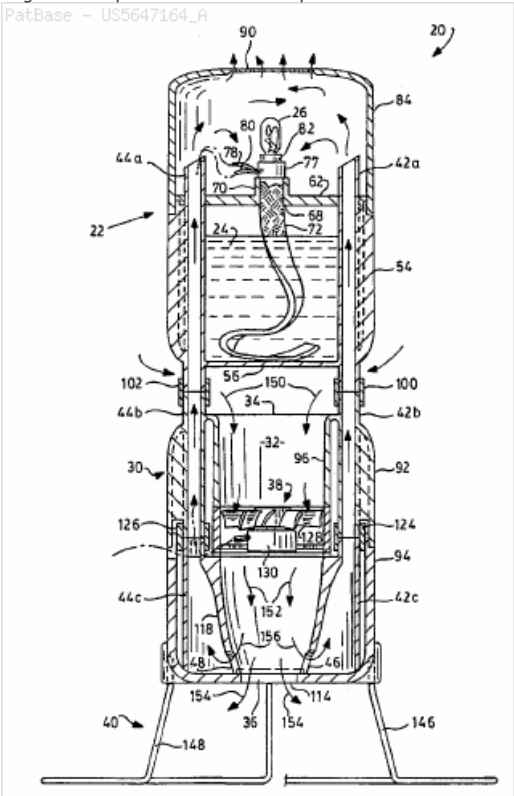
International (IPC 8-9): A01M1/02 A01M1/08 (Advanced/Invention); A01M1/02 A01M1/08 (Core/Invention)

International (IPC 1-7): A01M1/08

CPC: A01M1/023 A01M1/08 A01M2200/012

European: A01M1/02B A01M1/02C A01M1/08 K01M200/012 K01M201/02

US: 43/113 43/132.1 43/139 431/390



Family:

Publication number	Publication date	Application number	Application date
US5647164 A	19970715	US19950513120	19950809

Priority:

US19950513120 19950809

Probable Assignee:

YATES WILLIAM

Assignee(s):

YATES WILLIAM

Inventor(s): (std):

YATES WILLIAM

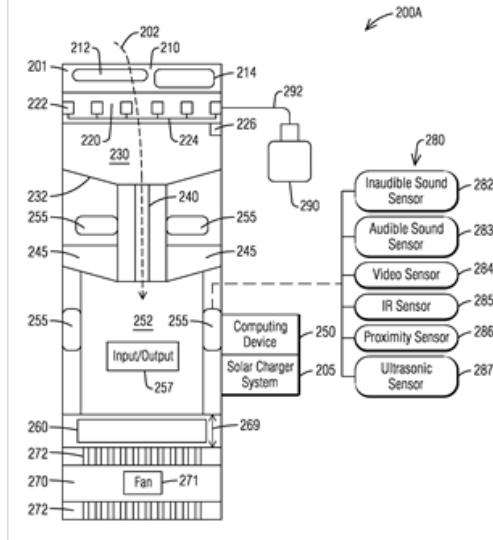
Title: WIRELESS SMART MOSQUITO AND INSECT TRAP DEVICE, NETWORK AND METHOD OF COUNTING A POPULATION OF THE MOSQUITOES OR INSECTS

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 Y02A50/371

**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): UNIVERISTY OF FLORIDA RESEARCH FOUNDATION INC ; 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

54) Family number: 67010585 (WO19016592A1)

© PatBase

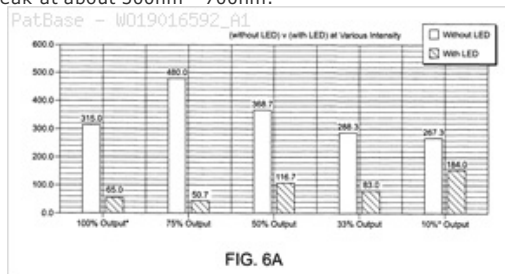
Title: MOSQUITO MANAGEMENT

Abstract: This invention relates to the management of mosquitos. It utilises LED light, which acts not as an attractant but as a repellent (i.e. it elicits a negative photo-taxis response) and / or inhibits the blood seeking activity of mosquitos. The method repels mosquitos from a locality or proximity (10; 22) where humans or animals will be present and/ or inhibits the mosquito from seeking a blood meal. It comprises positioning an LED light(s) (18) at a location (12;16) and in an orientation that will generate a photo-taxis repellent response and/ or inhibit the blood seeking activity of the mosquito, such that they are discouraged from entering a defined zone (22) which the lighting (18) protects. The LED lighting generates an intense light of at least 100 lux, with a colour temperature of greater than 5000K and has a cool white spectra (Fig 2; left hand side) with two peaks, a first peak at about 450nm - 470nm and a second peak at about 500nm - 700nm.

Classifications:

International (IPC 8-9): A01M29/10 A61N5/06 (Advanced/Invention)

CPC: A61N5/0613 A01M29/10 A61N2005/0651 A61N2005/0662

**FIG. 6A****Family:**

Publication number	Publication date	Application number	Application date
GB201711747 A0	20170906	GB20170011747	20170721
GB2564706 A1	20190123	GB20170011747	20170721
WO19016592 A1	20190124	WO20181B00758	20180723

Priority:

GB20170011747 20170721

Probable Assignee: BRANDENBURG INNOVATION LTD

Assignee(s): (std): BRANDENBURG INNOVATION LTD

Inventor(s): (std): SHANKAR SEETHARAM ; SEETHARAM SHANKAR

Agent(s): EQUIPPED 4 IP LTD

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

55) Family number: 10675594 (US5513465A)

© PatBase

Title: Method and apparatus for catching insects

Abstract: An insect trap having a back portion and a base portion oriented at essentially right angles to each other. The trap back portion contains a light source to attract insects, especially fleas, to the trap and the trap base portion contains an insect structure which bears on its surface an adhesive material for trapping the insects attracted to the trap. The trap back and base portions may be configured so that they may be folded against each other when the trap is not in use.

Classifications:

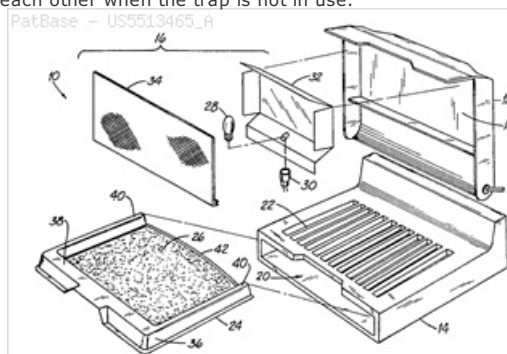
International (IPC 8-9): A01M1/04 A01M1/14 (Advanced/Invention);
A01M1/00 A01M1/02 (Core/Invention)

International (IPC 1-7): A01M1/04 A01M1/14 A61M

CPC: A01M1/145

European: A01M1/04 A01M1/14 A01M1/14B

US: 43/113 43/114 43/130



Family:

Publication number	Publication date	Application number	Application date
AU199513372 A1	19950703	AU19950013372	19941208
AU682427 B2	19971002	AU19950013372	19941208
BRPI9408339 A	19970819	BR1994PI08339	19941208
CA2178926 AA	19960613	CA19942178926	19941208
CA2178926 C	19990810	CA19942178926	19941208
CL1994001889 A1	19960118	CL19940001889	19941215
EG20126 A	19970731	EG19940000788	19941215
EP0737033 A1	19961016	EP19950904848	19941208
EP0737033 A4	19970115	EP19950904848	19941208
JP9506767 T2	19970708	JP19950516841T	19941208
KR100224516 B1	19991015	KR19960703269	19960617
KR19967006289 A	19961209	KR19967003269	19941208
KR960706289 A	19961209	KR19960703269	19960617
NZ277963 A	19971219	NZ19940277963	19941208
US5513465 A	19960507	US19930168432	19931217
US5722199 A	19980303	US19960729201	19961015
WO9516345 A1	19950622	WO1994US14114	19941208
ZA9410018 A	19950824	ZA19940010018	19941215

Priority:

US19930168432 19931217 US19940325915 19941019 WO1994US14114 19941208
US19960729201 19961015

Probable Assignee: S C JOHNSON AND SON INC

Assignee(s): (std): JOHNSON AND SON INC S C

Assignee(s): KOHLER KARL A ; SC JOHNSON AND SON INC ; S C JOHNSON AND SON INC ; REIMER JOSEPH E ; MCCUMBER DONALD E ; MAYER WILLIAM J ; DEMAREST SCOTT W ; GRUBER DENNIS W

Inventor(s): (std): GRUBER DENIS W ; MCCUMBER DONALD E ; KOHLER KARL A ; REIMER JOSEPH E ; MCCUMBER DONALD E ; GRUBER DENNIS W ; MAYER WILLIAM J ; DEMAREST SCOTT W

Inventor(s): SCOTT W DEMAREST ; WILLIAM J MAYER ; DENNIS W GRUBER ; DONALD E MCCUMBER ; JOSEPH E REIMER ; KARL A KOHLER ; DENIS W GRUBER

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BERESKIN AND PARR; ALESSANDRI

Designated states: AT AU BE BR CA CH DE DK ES FR GB GR IE IT JP KR LI LU MC NL NZ PT SE

56) Family number: 44320608 (WO10012028A1)

© PatBase

Title: COVERED POND-TYPE PHOTOBIOREACTOR FOR LARGE-SCALE, INTENSIVE CULTIVATION OF MICROALGAE

Abstract: A system for the large-scale, intensive cultivation of algae employing pondage containers in the form of wide, flat, transparent or translucent polymer film tubes. Said pondage tubes are laid in long, parallel runs upon a graded, flat, level surface and large flows of shallow water are continuously circulated through them by paddle wheel-type circulators in closed housings. Said pondage tubes have an upper chamber used for biological activity and a lower chamber employed as a water delivery conduit or storage vessel during periods of darkness, water being transferred as required from the lower to the upper chamber at a controlled rate. The upper film surfaces are maintained clear of the water surface by gas pressure and entry of solar irradiance is optionally modulated. Large pondages are sub-divided into smaller units, each with its own water circulation and management means and the aquatic environment within said pondages is continuously monitored and adjusted.

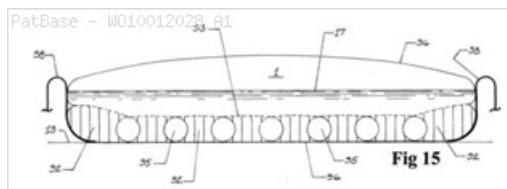
Classifications:

International (IPC 8-9): A01G33/00 A01H13/00 B01J19/00

C12M1/00 (Advanced/Invention)

CPC: C12M21/02 C12M23/06 C12M23/18 C12M23/26 C12M23/34

C12M27/02 C12M29/04 C12M31/08
European: C12M21/02 C12M23/06 C12M23/18 C12M23/26
 C12M23/34 C12M27/02 C12M29/04 C12M31/08



Family:

Publication number	Publication date	Application number	Application date
AU2009276284 AA	20100204	AU20090276284	20090728
WO10012028 A1	20100204	WO2009AU00959	20090728

Priority:

AU20080903864 20080729 AU20090276284 20090728 WO2009AU00959 20090728

Probable Assignee: BIOSEQ PTY LTD

Assignee(s): (std): BIOSEQ PTY LTD ; VOWLES ROBERT W

Inventor(s): (std): VOWLES ROBERT W

Inventor(s): ROBERT W VOWLES

Agent(s): BIOSEQ PTY LTD

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 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

57) Family number: 42560609 (US2010212211A)

© PatBase

Title: DEVICE FOR CATCHING INSECTS

Abstract: The invention relates to a device (1) for catching insects, comprising an attracting plane (4) for attracting the insects to be caught, comprising an opening (6) which is arranged in the attracting plane and through which the insects can enter the device (1), wherein the opening is adjoined by a duct (8) which extends into the interior of the device (1), and comprising a ventilation device (12) which generates an air flow passing through the duct (8). According to the invention, the duct (8) is arranged in the interior of a housing (10) and this housing (10) is provided for receiving and holding a liquid medium, wherein the ventilation device (12) is arranged in such a way that it generates an air flow in the direction of the liquid medium provided in the housing (10).

Classifications:

International (IPC 8-9): A01M1/02 A01M1/04 A01M1/08 A01M1/10

A01M1/20 (Advanced/Invention);

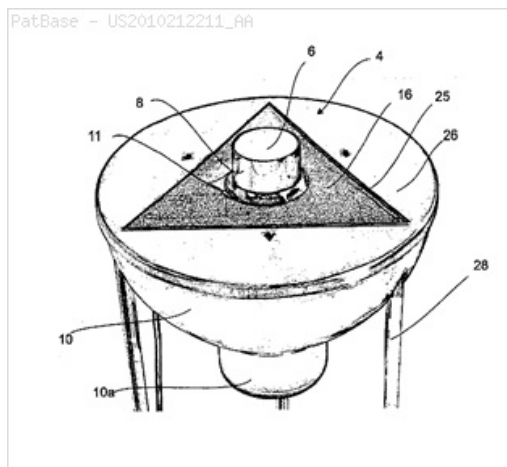
A01M1/00 A01M1/02 A01M1/08 A01M1/20 (Core/Invention)

International (IPC 1-7): A01M1/08

CPC: A01M1/023 A01M1/08 A01M2200/012

European: A01M1/02C A01M1/08 K01M200/012

US: 43/107 43/107P 43/113 43/113S



Family:

Publication number	Publication date	Application number	Application date
CN101820750 A	20100901	CN200880100230	20080505
DE102007024526 A1	20081127	DE200710024526	20070524
EP2152069 A1	20100217	EP20080750030	20080505
IN02397MN2009 A	20100618	IN2009MN02397	20091224
US2010212211 AA	20100826	US20080601208	20080505
WO08141912 A1	20081127	WO2008EP55468	20080505

Priority:

DE200710024526 20070524 WO2008EP53730 20080328 EP20080750030 20080505
 WO2008EP55468 20080505

Probable Assignee: FLYMOELI SYSTEMS GMBH GEB SCHEUBECK

Assignee(s): (std): FLYMOELI SYSTEMS GMBH ; FLYMOELI SYSTEMS GMBH GEBRUEDE ; SCHEUBECK MARKUS A ; SCHEUBECK THOMAS M

Assignee(s): FLYMOELI SYSTEMS GMBH GEBRUEDER SCHEUBECK ; FLYMOELI SYSTEMS GMBH GEB SCHEUBECK

Inventor(s): (std): SCHEUBECK THOMAS M ; SCHEUBECK MARKUS A

Agent(s): BITTNER BERNHARD; HAYES SOLOWAY PC

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 LI 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

Title: AGRICULTURAL GREENHOUSING RECONCILING INTENSIFIED URBAN METHODS

Abstract: Upon the premises that greater and better food production is vital, this invention (herein abbreviated as AGRIUM) discloses an architecturally and aesthetically acceptable urban domicile, methodology and intensification of continuous food production in the urban or suburban environment with energy and resource conservation, automation and mass production techniques and apparatus included.

Classifications:

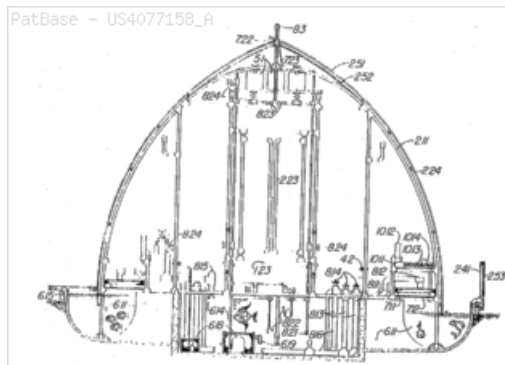
International (IPC 8-9): A01G31/02 (Advanced/Invention);
A01G31/02 (Core/Invention)

International (IPC 1-7): A01G9/00

CPC: A01G31/02 Y02P60/216

European: A01G31/02

US: 119/200 119/226 47/1.1 47/17 47/59 47/59R 52/86



Family:

Publication number	Publication date	Application number	Application date
US4077158 A	19780307	US19760689627	19760524

Priority:

US19760689627 19760524

Probable Assignee: ENGLAND WILL CLARKE

Assignee(s): (std): ENGLAND WILL CLARKE

Inventor(s): (std): ENGLAND WILL CLARKE

Title: CONTINUOUS PACKAGING IN ENCLOSED CONDUITS

Abstract: The invention relates to a package having a first web defining a cavity and a second web bonded to the first web, wherein the second web includes microperforations at a location that is specific to minimize the escape of liquids from the cavity to the exterior of the package. In one particular embodiment, the first web defines a four sided cavity with walls and corresponding flaps attached to the walls that can be folded and bonded to the cavity walls. The second web is an overwrapping lidding web, wherein microperforations are provided on the web material so that the microperforations are aligned with a flap recess, which in turn is in communication with the interior of the tray cavity. In this manner, suitable gas exchange can occur with minimal to no escape of liquids from the tray cavity.

Classifications:

International (IPC 8-9): A22C17/00 A22C17/08 A22C17/10
A22C18/00 A23B4/00 A23B4/12 A23B4/16 A23B4/18 A23B4/20
A23B4/24 A23B4/26 A23K1/18 A23L1/015 A23L1/27 A23L1/31
A23L1/312 A23L1/313 A23L1/317 A23L1/48 A23L13/00 A23L13/20
A23L13/30 A23L13/60 A23L3/015 A23L3/34 A23L3/3418 A23L3/3445
A23L35/00 A23L5/20 A23L5/40 A23P1/00 A23P1/02 A23P1/10
A61L2/16 B01D21/02 B01D21/26 B04B3/04 B32B37/00 B60K6/12
B61J1/08 B65B25/06 B65B31/00 B65B31/02 B65B47/02 B65B55/00
B65B55/12 B65B7/16 B65D21/00 B65D21/06 B65D5/42 B65D6/10 B65D77/20 B65D81/00 B65D81/20 B65D81/26
B65D81/28 B65D85/00 B65G47/61 C10L1/18 C10L5/00 C10L5/40 C12C3/04 F02B57/08 G01N21/00 G01N31/12 G01N33/12
G06Q30/00 (Advanced/Invention);
B04B1/20 (Advanced/Non-invention);

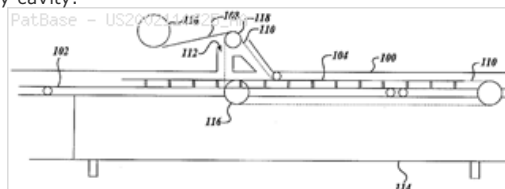
A23B4/00 A23B4/12 A23B4/14 A23B4/26 A23L1/015 A23L1/27 A23L1/31 A23L1/317 A23L3/015 A23L3/34 A23P1/02
A61L2/16 B01D21/02 B32B37/00 B65B25/00 B65B31/02 B65B7/16 B65D21/06 B65D6/00 B65D77/10 B65D81/20 B65D81/26
B65D81/28 C12C3/00 G01N33/02 (Core/Invention)

International (IPC 1-7): A01J1/00 A23B4/00 A23B4/12 A23C9/12 A23L1/27 A23P1/00 B01D11/02 B61J1/08 B65B25/06
B65B31/00 B65B31/02 B65B47/02 B65B51/10 B65B55/00 B65B9/04 B65D21/00 B65D5/42 B65D77/20 B65D81/00
B65D81/20 B65D85/00 B65G47/61 C12C3/04 G01N21/00 G01N33/02

CPC: A61L2/202 A61L2/22 B29C66/53461 B29C66/344 B29C2795/002 B29K2027/06 B29L2031/712 B01D21/262 B04B1/20
A22C17/00 A23L3/3445 B29C65/4815 B29C65/4825 A23V2200/10 A23V2250/11 A23B4/20 A23B4/26 A23J1/02
B29C65/7894 B29C66/83413 B29C66/83421 B29C66/83531 B01D21/34 B29C66/24244 A22C17/08 B01D21/02 B01D21/2405
B01D21/2433 B01D21/2444 B01D21/2461 B01D21/2494 B01D21/26 B01D2221/06 B65D81/261 B65B7/162 B65B51/02
B65D81/263 B29C66/71 A23L13/00 A23L5/20 A23L13/60 A23L5/23 B65B7/164 A22B5/0029 A22B5/0041 A22C17/10
Y02E50/30 A23B4/10 A23L3/3409 A23V2002/00 B65B31/028 B65D77/2008 B65D77/2024 G06Q30/0621 B65D81/264
B65B25/067 B65D21/062 B65D21/066 B65D81/2076 B65D81/267 B65D81/268 B65D81/28 A23B4/12 A23B4/00 A23B4/16
A23B4/24 A23L3/0155 A23L3/3418 G01N33/12 B29C66/1122 B01D21/245

European: A22B5/00B2 A22B5/00B4 A22C17/00 A22C17/08 A22C17/10 A23B4/00 A23B4/10 A23B4/12 A23B4/16 A23B4/20
A23B4/24 A23B4/26 A23L1/015 A23L1/015C A23L1/31 A23L1/317 A23L3/015F A23L3/3409 A23L3/3418 A23L3/3445
A61L2/20C A61L2/22 B01D21/02 B01D21/24A B01D21/24D B01D21/24G B01D21/24N B01D21/24V B01D21/30 B29C65/48
B29C66/344 B29C66/534 B65B25/06D1 B65B31/02F2 B65B7/16B B65B7/16B1 B65D21/06B B65D21/06D B65D77/20B1
B65D77/20E B65D81/20F1 B65D81/26E B65D81/26F1 B65D81/26F2 B65D81/28 B65G47/61 G06Q30/0621 K23V2/00
L01D21/26 L01D221/06 L29C65/48B2F L29C65/48B4 L29C795/00B L29K27/06 L29L31/712 Y02E50/30

US: 1/1 123/44.00RS 123/44R 156/164 156/292 156/292S 156/494 156/494S 180/165 220/675 422/255 422/261
422/268 422/269 422/273 422/274 422/275 426/108 426/118 426/127 426/127S 426/129 426/129P 426/2 426/231 426/231P
426/231S 426/232 426/235 426/235P 426/2P 426/312 426/312P 426/312S 426/315 426/315P 426/316 426/320 426/321
426/321P 426/326 426/326P 426/332 426/335 426/335S 426/35 426/35P 426/383 426/383P 426/392 426/392P 426/392S
426/393 426/393S 426/394 426/394S 426/395 426/398 426/398P 426/416 426/416S 426/417 426/417S 426/425 426/437
426/442 426/442P 426/478 426/478P 426/480 426/480P 426/480S 426/495 426/506 426/518 426/518S 426/519 426/524
426/574 426/641 426/646 426/656 44/307 44/307S 44/308 44/308S 44/589 44/605 44/628 452/150 452/150S 452/155
452/155S 452/173 452/173S 53/478 53/478P 705/1 705/1.1 705/1.100S 705/26 705/26.5



Family:

Publication number	Publication date	Application number	Application date
AU200110977 A1	20010508	AU20010010977	20001019
AU200110977 A5	20010508	AU20010010977	20001019
AU2002220000 AA	20020611	AU20020220000	20011128
AU2003206384 AA	20030724	AU20030206384	20030102
AU2003206384 AH	20030724	AU20030206384	20030102
AU2003249694 AA	20031219	AU20030249694	20030603
AU774767 B2	20040708	AU20010010977	20001019
CA2387349 AA	20020403	CA20002387349	20001019
CA2429794 AA	20030521	CA20012429794	20011128
CA2526966 AA	20051202	CA20032526966	20030603
CA2589649 AA	20070601	CA20052589649	20051202
EP1226072 A1	20020731	EP20000972296	20001019
EP1347917 A1	20031001	EP20010998482	20011128
EP1347917 A4	20050608	EP20010998482	20011128
US2002110625 AA	20020815	US20020037440	20020102
US2002122856 AA	20020905	US20010027929	20011220
US2003091708 AA	20030515	US20020320863	20021216
US2003124221 AA	20030703	US20030368679	20030214
US2003129274 AA	20030710	US20020320837	20021216
US2003152675 AA	20030814	US20030384874	20030307
US2003152679 AA	20030814	US20030368933	20030214
US2003165602 AA	20030904	US20030368953	20030214
US2003170357 AA	20030911	US20030369079	20030214
US2003170358 AA	20030911	US20030384914	20030307
US2003170359 AA	20030911	US20030385217	20030307
US2003175392 AA	20030918	US20030385264	20030307
US2003182903 AA	20031002	US20030418354	20030416
US2003185937 AA	20031002	US20030384853	20030307
US2003185947 AA	20031002	US20030384913	20030307
US2003185948 AA	20031002	US20030385158	20030307
US2003215551 AA	20031120	US20030413073	20030410
US2004037932 AA	20040226	US20030418558	20030416
US2004081729 AA	20040429	US20030440460	20030516
US2004146602 AA	20040729	US20040432973	20040107
US2004185152 AA	20040923	US20040769677	20040129
US2004185154 AA	20040923	US20040769489	20040130
US2004185155 AA	20040923	US20040769674	20040129
US2004185156 AA	20040923	US20040769714	20040130
US2005042346 AA	20050224	US20040868394	20040615
US2005142250 AA	20050630	US20040958996	20041005
US2005208188 AA	20050922	US20040942756	20040916
US2005260311 AA	20051124	US20040004669	20041202
US2006029699 AA	20060209	US20050063650	20050222
US2006147588 AA	20060706	US20050176013	20050705
US2006278327 AA	20061214	US20060508513	20060822
US2007254074 AA	20071101	US20060589320	20061026
US2007292559 AA	20071220	US20060558832	20061110
US2009074922 AA	20090319	US20080248386	20081009
US2009159355 AA	20090625	US20080271701	20081114
US2009214730 AA	20090827	US20050720594	20051202
US2009226586 AA	20090910	US20080207300	20080909
US2011008505 AA	20110113	US20100697592	20100201
US2011171353 AA	20110714	US20100968045	20101214
US2012225171 AA	20120906	US20110224994	20110902
US2012282382 AA	20121108	US20120452526	20120420
US6866832 BB	20050315	US20010027929	20011220
US7093734 BB	20060822	US20030384874	20030307
US7205016 BB	20070417	US20030385158	20030307
US7415428 BB	20080819	US20030369079	20030214
US7455704 BB	20081125	US20040958996	20041005
US7575770 BB	20090818	US20030368933	20030214
US7666456 BB	20100223	US20040868394	20040615
US8012521 BB	20110906	US20060589320	20061026
US8178144 BB	20120515	US20050720594	20051202
US8568813 BB	20131029	US20100697592	20100201
US8911809 BB	20141216	US20120452526	20120420
US9131707 BB	20150915	US20100968045	20101214
WO0130655 A2	20010503	WO2000US29038	20001019
WO0244026 A1	20020606	WO2001US45146	20011128
WO0244026 C2	20030410	WO2001US45146	20011128
WO03057566 A2	20030717	WO2003US00167	20030102
WO03057566 A3	20040603	WO2003US00167	20030102
WO03101210 A1	20031211	WO2003US17643	20030603
WO05099482 A2	20051027	WO2005US12245	20050411
WO05099482 A3	20070208	WO2005US12245	20050411
WO06060596 A2	20060608	WO2005US43507	20051202
WO06060596 A3	20060908	WO2005US43507	20051202

Priority:

US19970040556P	19970313	US19980039150	19980313	US19990129595P	19990415
US19990141569P	19990629	US19990144400P	19990716	US19990148227P	19990727
US19990149938P	19990819	US19990152677P	19990907	US19990392074	19990908
US19990154068P	19990914	US19990160445P	19991019	US20000175372P	20000110
US20000550399	20000414	WO2000US29038	20001019	US20000724287	20001128
US20000255684P	20001213	US20010286688P	20010426	US20010291872P	20010517
US20010299240P	20010618	US20010312176P	20010813	US20010314109P	20010821
US20010323629P	20010919	US20010335760P	20011019	WO2001US45146	20011128
US20010027929	20011220	US20020037440	20020102	US20020373222P	20020415
US20020373232P	20020416	US20020385710P	20020603	US20020388067P	20020610
US20020391702P	20020624	US20020411138P	20020916	US20020422949P	20021030
US20020424388P	20021105	US20020427516P	20021119	US20020429644P	20021125
US20020469644P	20021125	US20020433526P	20021213	US20020320863	20021216
US20020320837	20021216	WO2003US00167	20030102	US20030438546P	20030107
US20030369079	20030214	US20030368679	20030214	US20030368933	20030214
US20030368953	20030214	US20030384913	20030307	US20030384853	20030307
US20030384874	20030307	US20030384914	20030307	US20030385217	20030307
US20030385264	20030307	US20030385158	20030307	US20030413073	20030410
US20030418354	20030416	US20030418558	20030416	US20030440460	20030516
WO2003US17643	20030603	US20030483311P	20030627	US20040432973	20040107
US20040536770P	20040115	US20040769677	20040129	US20040769674	20040129
US20040769489	20040130	US20040769714	20040130	US20040545841P	20040218
US20040561128P	20040409	US20040868394	20040615	US20040878491	20040628
US20040942756	20040916	US20040958996	20041005	US20040004669	20041202
US20040639828P	20041228	US20050063650	20050222	US20050176013	20050705
WO2005US43507	20051202	US20050720594	20051202	US20060508513	20060822
US20060589320	20061026	US20060558832	20061110	US20080207300	20080909
US20080248386	20081009	US20080271701	20081114	US20090720594	20090430
US20100697592	20100201	US20100968045	20101214	US20110224994	20110902
US20120452526	20120420				

Probable Assignee: SAFEFRESH TECHNOLOGIES LLC

Assignee(s): (std): ATKINSON KEVAN J ; CASE READY SOLUTIONS LLC ; GARWOOD ANTHONY J ; GARWOOD ANTHONY J M ; STEPHENS ROBERT M ; SAFEFRESH TECHNOLOGIES LLC ; AGB LLC ; GARWOOD NICHOLAS J

Assignee(s): STONE MICHAEL ; TIMMERMAN SF LLC ; MILLER ANDREW W ; AMERICAN BEEF PROCESSING LLC ; ANTHONY J GARWOOD ; GARWOOD ANTHONY JM ; FEFRESH TECHNOLOGIES LLC SA

Inventor(s): (std): GARWOOD ANTHONY J ; STEPHENS ROBERT M ; ATKINSON KEVAN J ; GARWOOD ANTHONY J M ; ANTHONY JM GARWOOD ; ANTHONY J GARWOOD ; ANTHONY J M GARWOOD ; ANTHONY J ; GARWOOD NICHOLAS J

Inventor(s): GARWOOD ANTHONY ; GARWOOD ANTHONY JM ; ROBERT M STEPHENS ; KEVAN J ATKINSON

Agent(s): FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; SMART AND BIGGAR; CHRISTENSEN OCONNOR JOHNSON KINDNESS PLLC; FOLEY AND LARDNER; CHRISTENSEN O'CONNOR JOHNSON KINDNESS PLLC; FOLEY AND LARDNER LLP; CHRISTENSEN; JOHNSON KINDNESS PLLC

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

60) Family number: 42074633 (US2010189706A)

© PatBase

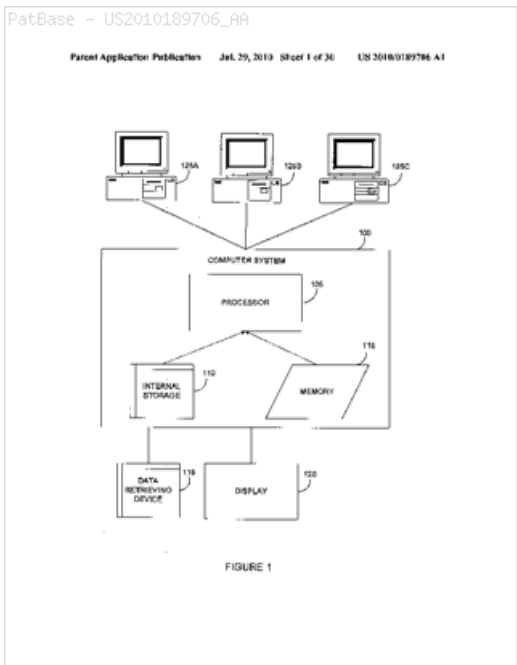
Title: ENZYMES FOR THE TREATMENT OF LIGNOCELLULOSICS, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: The invention provides polypeptides having a lignocellulolytic activity, e.g., a glycosyl hydrolase, a cellulase, an endoglucanase, a cellobiohydrolase, a beta-glucosidase, a xylanase, a mannanase, a xylosidase (e.g., a beta -xylosidase), an arabinofuranosidase, and/or a glucose oxidase activity, polynucleotides encoding these polypeptides, and methods of making and using these polynucleotides and polypeptides. In one aspect, the invention provides polypeptides that can enzymatically process (hydrolyze) sugarcane bagasse, i.e., for sugarcane bagasse degradation, or for biomass processing, and polynucleotides encoding these enzymes, and making and using these polynucleotides and polypeptides. In one embodiment, the invention provides thermostable and thermotolerant forms of polypeptides of the invention. The polypeptides of the invention can be used in a variety of pharmaceutical, agricultural and industrial contexts; for example, the invention provides a multi-enzyme system that can hydrolyze polysaccharides in a bagasse component of sugarcane processed in sugar mills. The invention provides enzymes for the bioconversion of lignocellulosic residues into fermentable sugars; and these sugars can be used as a chemical feedstock for the production of ethanol and fuels, including biofuels such as bioethanol, biopropanol, biobutanol and biodiesels.

Classifications:

International (IPC 8-9): A01H1/00 A01H3/00 A01H5/00 A01H5/10 A01K67/00 A01K67/027 A01N63/02 A01P1/00 A21D10/00 A21D13/00 A21D2/26 A21D8/04 A23C9/12 A23K1/165 A23K20/00 A23K20/189 A23L1/28 A23L1/305 A23L2/00 A23L2/66 A23L33/10 A23L33/17 A61K A61K38/43 A61K38/44 A61K38/46 A61K38/47 A61K48/00 A61K8/66 A61L15/44 A61P1/02 A61P1/14 A61P17/02 A61P3/02 A61P39/02 A61Q19/10 A62D3/02 B09C1/10 C02F3/00 C07H21/00 C07H21/04 C07K C07K16/00 C07K16/40 C07K19/00 C07K5/00 C10L1/02 C10L1/04 C11D3/386 C11D7/42 C12C11/00 C12C7/00 C12C7/28 C12G3/04 C12N C12N1/15 C12N1/19 C12N1/21 C12N11/00 C12N11/08 C12N11/14 C12N11/16 C12N15/09 C12N15/11 C12N15/113 C12N15/54 C12N15/56 C12N15/63 C12N15/67 C12N5/10 C12N9/00 C12N9/02 C12N9/10 C12N9/24 C12N9/26 C12N9/42 C12N9/96 C12P1/00 C12P19/00 C12P19/02 C12P19/14 C12P19/34 C12P21/02 C12P21/06 C12P7/02 C12P7/04 C12P7/06 C12P7/10 C12P7/16 C12Q1/34 C12Q1/68 C13K1/02 C13K13/00 C40B40/06 C40B40/10 C40B50/06 D06M16/00 D21C3/00 D21H25/02 G01N33/53 G01N33/573 G06F19/00 G06F19/22 (Advanced/Invention); A01H1/00 A01H5/00 A01K67/00 A01K67/027 A01N63/02 A01P1/00 A21D10/00 A21D13/00 A21D2/00 A21D8/02 A23C9/12 A23K1/165 A23L1/28 A23L1/305 A23L2/00 A23L2/52 A61K38/43 A61K48/00 A61L15/16 A61P1/00 A61P17/00 A62D3/00 B09C1/10 C02F3/00 C07H21/00 C07K16/00 C07K16/40 C07K19/00 C07K5/00 C10L1/00 C11D3/38 C11D7/22 C12C7/00 C12N1/15 C12N1/19 C12N1/21 C12N11/00 C12N15/09 C12N15/11 C12N15/113 C12N15/54

C12N15/56 C12N15/63 C12N15/67 C12N5/10 C12N9/00 C12N9/02
C12N9/10 C12N9/24 C12N9/42 C12P1/00 C12P19/00 C12P21/02
C12P21/06 C12P7/02 C12Q1/34 C12Q1/68 C40B40/04 C40B50/06
D06M16/00 D21C3/00 D21H25/00 G01N33/53 G01N33/573
G06F19/00 (Core/Invention);
A61K C07K C12N (Subclass/Invention)
International (IPC 1-7): A01H5/00 A01H5/10 A01K67/00 A61K48/00
C07K5/00 C12N1/15 C12N1/19 C12N1/21 C12N15/11 C12N15/56
C12N15/63 C12N5/10 C12N9/00 C12N9/24 C12Q1/68 G01N33/50
CPC: C12N9/2445 C12Y302/01021 Y02E50/16 Y02E50/17
Y02E50/343 C12P19/14 C12N9/2437 C12P7/04 C12P19/02
European: C12N9/24A2D C12N9/42 C12P19/02 Y02E50/16
Y02E50/17 Y02E50/34B
US: 424/94.4 424/94.400P 424/94.5 424/94.500S 424/94.6
424/94.600S 426/61 426/61S 426/7 426/7S 435/157 435/157S
435/160 435/160S 435/161 435/161S 435/176 435/176S 435/177
435/177S 435/180 435/180S 435/183 435/183S 435/189 435/189S
435/193 435/193S 435/209 435/209S 435/252.3 435/252.300S
435/254.11 435/254.110S 435/254.2 435/254.200S 435/267
435/267S 435/278 435/278S 435/320.1 435/320.100S 435/325
435/325S 435/348 435/348S 435/411 435/411S 435/412 435/412S
435/414 435/414S 435/415 435/415S 435/417 435/417S 435/419
435/419S 435/69.1 435/69.100S 435/91.2 435/91.200S 435/99
506/16 506/16S 506/18 506/18S 510/392 510/392S 530/387.9
530/387.900S 536/23.2 536/23.200S 536/24.3 536/24.300S 800/13
800/13S 800/284 800/298 800/298S



Family:

Publication number	Publication date	Application number	Application date
AR065544 AA	20090617	AR2008P100387	20080130
AU2008210495 AA	20080807	AU20080210495	20080130
AU2008210495 BB	20140227	AU20080210495	20080130
AU2014202765 AA	20140612	AU20140202765	20140520
BRPI0807132 A2	20181204	BR2008PI07132	20080130
CA2674721 AA	20090724	CA20082674721	20080130
CA2674721 C	20180403	CA20082674721	20080130
CN101652381 A	20100217	CN200880010663	20080130
CN101652381 B	20140409	CN200880010663	20080130
CN104212822 A	20141217	CN201410085996	20080130
EP2074136 A2	20090701	EP20080728602	20080130
EP2074136 A4	20121107	EP20080728602	20080130
JP2010516296 T2	20100520	JP20090548427T	20080130
JP2013176393 A2	20130909	JP20130118903	20130605
JP2016163562 A2	20160908	JP20160016946	20160201
MX2009008129 A1	20100317	MX20090008129	20080130
NZ578309 A	20120629	NZ20080578309	20080130
NZ598285 A	20131025	NZ20080598285	20080130
NZ610301 A	20150327	NZ20080610301	20080130
US2010189706 AA	20100729	US20080525303	20080130
US2014223602 AA	20140807	US20130039968	20130927
WO08095033 A2	20080807	WO2008US52517	20080130
WO08095033 A3	20080918	WO2008US52517	20080130
WO08095033 A8	20090903	WO2008US52517	20080130
ZA200904684 A	20111228	ZA20090004684	20080130

Priority:

US20070887329P	20070130	AU20080210495	20080130	JP20090548427	20080130
NZ20080578309	20080130	NZ20080598285	20080130	JP20090548427T	20080130
JP20130118903	20080130	WO2008US52517	20080130	US20080525303	20080130
US20100525303	20100202	US20130039968	20130927	AU20140202765	20140520
JP20160016946	20160201				

Probable Assignee: BP PLC

Assignee(s): (std): DYCAICO MARK ; LUGINBUHL PETER ; DJORDJEVIC GORDANA ; HEFNER YING ; CHANG CATHY ; RICHARDSON TOBY ; BURKE ELLEN ; STEGE JUSTIN T ; POLAND JOHN ; MILES STACY MARIE ; RICHARDSON TOBY H ; BURKE ELLEN G ; MILES STACY M ; ABOUSHADI NAHLA ; ABOUSHADI NAHLA M ; BP CORP NORTH AMERICA INC ; BP CORP NORTH AMERICA LLC ; VERENIUM CORP ; SYNGENTA PARTICIPATIONS AG ; VERENIUM CORP US ; SYNGENTA AG ; YING HEFNER

Assignee(s): SYNGENTA PARTICIPATION AGSCHWARZWALDALLEE 215CH-4058BASELCH ; VERENIUM CORP4955 DIRECTORS PLACESAN DIEGOCA92121US ; SYNGENTA PARTICIPATION AG ; BP NORTH AMERICA INC CORP ; BP NORTH AMERICA INC CORP4104 WINFIELD ROADWARRENVILLEIL60555US ; BP NORTH AMERICA LLC CORP ; BP PLC

Inventor(s): (std): DJORDJEVIC GORDANA ; LUGINBUHL PETER ; HEFNER YING ; RICHARDSON TOBY ; ABOUSHADI NAHLA ; POLAND JOHN ; STEGE JUSTIN T ; DYCAICO MARK ; MILES STACY MARIE ; BURKE ELLEN ; STEGE JUSTIN ; ABOUSHADI NAHLA M ; MILES STACY M ; BURKE ELLEN G ; RICHARDSON TOBY H ; YING HEFNER ; ELLEN BURKE ; CATHY CHANG ; PETER LUGINBUHL ; TOBY RICHARDSON ; NAHLA ABOUSHADI ; GORDANA DJORDJEVIC ; MARK DYCAICO ; MARIE MILES STACY ; JOHN POLAND ; JUSTIN T STEGE ; STACY MARIE MILES ; DYCAICO MARCK ; CHANG CATHY

Inventor(s): LUGINBUHL PETERUS ; HEFNER YINGUS ; RICHARDSON TOBYUS ; MILES STACY MARIEUS ; STEGE JUSTIN TUS ; ABOUSHADI NAHLAUS ; BURKE ELLENUS ; CHANG CATHYUS ; DYCAICO MARKUS ; DJORDJEVIC GORDANAUS ; POLAND JOHNUS

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; WAKERLEY HELEN RACHAEL; YAMASAKI KAZUO; HAKODA ATSUSHI; KUMAKURA YOSHIO; ICHIKAWA SATSUKI; ASAI KENJI; TAKIZAWA TOSHIO; VERENIUM

Designated states: INTELLECTUAL PROPERTY DEPARTMENT CORP; EINHORN GREGORY P ET AL
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 LI 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

61) Family number: 40797636 (US2007203727A)

© PatBase

Title: EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS CONTROL METHOD

Abstract: One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event-based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.

Classifications:

International (IPC 8-9): A01B71/06 A45F5/00 A47F1/04

A61B17/3213 A61B5/00 B01D46/00 B42D1/00 B60J1/00 B62D53/00 B62D59/04 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00 E04B1/00 E04B1/34 E04H1/00 E04H14/00 E04H9/00 F02M37/04

G01C21/20 G01T1/02 G05B19/418 G05B21/00 G05D1/02 G06F15/173 G06F17/30 G06F21/00 G06F9/44 G06F9/46 G06K7/01 G06Q10/00 G06Q30/00 G06Q30/06 G06Q40/00 G06Q50/00

G06Q50/26 G06Q90/00 G06Q99/00 G09B19/00 G21F3/00 H04H1/00 H04H20/59 H04L9/00 H04M11/04 (Advanced/Invention); G06Q90/00 (Advanced/Non-invention);

A01B71/00 A45F5/00 A47F1/00 A61B17/32 A61B5/00 B01D46/00 B42D1/00 B60J1/00 B62D53/00 B62D59/00 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00 E04B1/00 E04B1/34 E04H1/00

F02M37/04 G01C21/20 G01T1/02 G05B19/418 G05B21/00 G05D1/02 G06F15/16 G06F17/30 G06F21/00 G06F9/44 G06F9/46 G06Q10/00 G06Q30/00 G06Q40/00 G06Q50/00 G06Q99/00 G09B19/00

G21F3/00 H04H1/00 H04L9/00 H04M11/04 (Core/Invention) **CPC:** G06Q30/0283 G08B27/008 H04H20/59 H04H60/23 G06Q30/02 G06Q50/00 G06Q30/04 G06Q30/0214 G06Q30/0217 G06Q30/0226

G06Q30/0227 G06Q30/0231 G06Q30/0233 G07F17/0042 E04H9/08 E04H9/12 F41H5/24 A62B31/00 B63C9/02 A62B99/00 E04H9/06 H04L63/10 B01D46/0023 B01D46/0036 B01D2273/30 G21F3/00

G06Q30/06 G06Q30/0633 G06Q10/087 A61B50/10 A61B50/13 A61B50/312 G06Q40/08 A45C15/00 G06Q10/08 G06Q10/02 Y02A50/454 Y02A50/14 G16H40/20 G16H50/80 A47K11/026

G06Q20/401 G06Q50/22 E04H9/14 G06Q10/00 G06Q50/10 G06Q90/00 G06Q50/265 G06Q99/00 G06Q50/163 G06Q50/30 G06Q30/00 A62B1/02 G06Q10/06 G06Q10/10 G06Q50/26

G07C9/00087 **European:** A45C15/00 A47K11/02C A61B19/02F A61B19/02P4D A62B1/02 A62B31/00 A62B99/00 B01D46/00D4 B01D46/00F60

B63C9/02 E04H9/06 E04H9/08 E04H9/12 E04H9/14 F41H5/24 G06F19/32G G06Q10/00 G06Q10/02 G06Q10/06 G06Q10/08 G06Q10/08E G06Q10/10 G06Q20/401 G06Q30/00 G06Q30/02

G06Q30/0214 G06Q30/0217 G06Q30/0226 G06Q30/0227 G06Q30/0231 G06Q30/0233 G06Q30/0283 G06Q30/04 G06Q30/06 G06Q40/08 G06Q50/00 G06Q50/10 G06Q50/163 G06Q50/22 G06Q50/26 G06Q50/265 G06Q50/30 G06Q90/00 G06Q99/00

G07C9/00B6D4 G07F17/00D G07F7/00D G08B27/00T G21F3/00 H04H20/59 K61B19/02F2 K62B99/00 L01D273/30 S06F19/34S T04H60/23 T04L29/06S10 T04L63/10 Y04S50/12

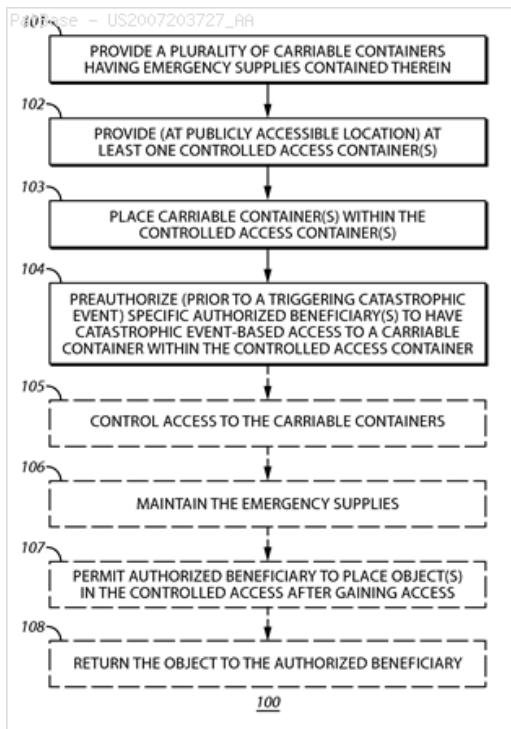
US: 141/10 180/14.1 180/14.100P 198/321 224/101 235/382.5 235/382.500S 250/472.1 250/519.1 345/85P 379/37 379/37P 434/236 434/236S 455/3.01 455/3.010 52/169.6 52/3 52/741.1 52/741.100S 52/745.05 52/745.050P 52/79.1 52/79.100S

600/300 600/300P 701/23 705/1 705/1.1 705/1.100P 705/14.16 705/14.160P 705/14.19 705/14.190S 705/14.27 705/14.270S 705/14.28 705/14.280S 705/14.31 705/14.310S 705/14.33 705/14.330S 705/2 705/26.8 705/2P 705/314 705/314P 705/325 705/325S 705/400 705/400P 705/5 705/500 705/500P 705/52 705/52P 705/5P 705/75 705/75S 707/802 707/802S

707/E17.005 707/E17.005S 726/2 726/2S 96/222 96/222P

Family:

Publication number	Publication date	Application number	Application date
US2007203727 AA	20070830	US20060456472	20060710
US2007214729 AA	20070920	US20060535282	20060926
US2007215434 AA	20070920	US20060555896	20061102
US2007217577 AA	20070920	US20060426231	20060623
US2007219420 AA	20070920	US20060462845	20060807
US2007219421 AA	20070920	US20060464751	20060815
US2007219422 AA	20070920	US20060464764	20060815
US2007219423 AA	20070920	US20060464788	20060815
US2007219424 AA	20070920	US20060464799	20060815
US2007219425 AA	20070920	US20060465063	20060816
US2007219426 AA	20070920	US20060466727	20060823
US2007219427 AA	20070920	US20060466953	20060824
US2007219428 AA	20070920	US20060531651	20060913
US2007219429 AA	20070920	US20060535021	20060925
US2007219430 AA	20070920	US20060539798	20061009
US2007219431 AA	20070920	US20060549874	20061016
US2007219810 AA	20070920	US20060279333	20060411
US2007219812 AA	20070920	US20060381265	20060502
US2007219813 AA	20070920	US20060421694	20060601
US2007219814 AA	20070920	US20060537469	20060929
US2007219913 AA	20070920	US20060381277	20060502
US2007219914 AA	20070920	US20060383022	20060512
US2007223658 AA	20070927	US20060566455	20061204
US2007225993 AA	20070927	US20060551083	20061019



US2007225994 AA	20070927	US20060554452	20061030
US2007225995 AA	20070927	US20060556520	20061103
US2007228090 AA	20071004	US20060559278	20061113
US2007232220 AA	20071004	US20060461605	20060801
US2007233501 AA	20071004	US20060384037	20060317
US2007233506 AA	20071004	US20060548191	20061010
US2007239480 AA	20071011	US20060394350	20060330
US2007256564 AA	20071108	US20060381677	20060504
US2007261899 AA	20071115	US20060423594	20060612
US2007276681 AA	20071129	US20060550594	20061018
US2008195426 AA	20080814	US20060470156	20060905
US2008255868 AA	20081016	US20080047130	20080312
US2008275308 AA	20081106	US20060539861	20061009
US2008319766 AA	20081225	US20060381257	20060502
US2009100772 AA	20090423	US20060381247	20060502
US2009112777 AA	20090430	US20060461624	20060801
US2009125316 AA	20090514	US20060420594	20060526
US2009321663 AA	20091231	US20060425043	20060619
US2010250352 AA	20100930	US20060555589	20061101
US2010312722 AA	20101209	US20060532461	20060915
US2011030310 AA	20110210	US20060462795	20060807
US2014143088 AA	20140522	US20060464775	20060815
WO07109532 A2	20070927	WO2007US64162	20070316
WO07109532 A3	20080703	WO2007US64162	20070316
WO07115184 A2	20071011	WO2007US65658	20070330
WO07115184 A3	20071221	WO2007US65658	20070330
WO07121248 A2	20071025	WO2007US66441	20070411
WO07121248 A3	20071221	WO2007US66441	20070411
WO07127732 A2	20071108	WO2007US67303	20070424
WO07127732 A3	20081106	WO2007US67303	20070424
WO07133670 A2	20071122	WO2007US11375	20070511
WO07133670 A3	20090108	WO2007US11375	20070511
WO07140363 A2	20071206	WO2007US69878	20070529
WO07140363 A3	20081106	WO2007US69878	20070529
WO07146929 A2	20071221	WO2007US70983	20070612
WO07146929 A3	20081113	WO2007US70983	20070612
WO07146935 A2	20071221	WO2007US70997	20070612
WO07146935 A3	20090319	WO2007US70997	20070612
WO08008784 A2	20080117	WO2007US73163	20070710
WO08008784 A3	20080403	WO2007US73163	20070710
WO08022193 A2	20080221	WO2007US75999	20070815
WO08022193 A3	20081106	WO2007US75999	20070815
WO08022193 C2	20080424	WO2007US75999	20070815
WO08024913 A2	20080228	WO2007US76644	20070823
WO08024913 A3	20081127	WO2007US76644	20070823
WO08027981 A2	20080306	WO2007US77135	20070829
WO08027981 A3	20080508	WO2007US77135	20070829
WO08030866 A2	20080313	WO2007US77627	20070905
WO08030866 A3	20081106	WO2007US77627	20070905
WO08033993 A2	20080320	WO2007US78383	20070913
WO08033993 A3	20081106	WO2007US78383	20070913
WO08034014 A2	20080320	WO2007US78418	20070913
WO08034014 A3	20080508	WO2007US78418	20070913
WO08036672 A2	20080327	WO2007US78782	20070918
WO08036672 A3	20080508	WO2007US78782	20070918
WO08042797 A2	20080410	WO2007US79956	20070928
WO08042797 A3	20081211	WO2007US79956	20070928
WO08048737 A2	20080424	WO2007US74958	20070801
WO08048737 A3	20081009	WO2007US74958	20070801
WO08048956 A2	20080424	WO2007US81511	20071016
WO08048956 A3	20080814	WO2007US81511	20071016
WO08054909 A2	20080508	WO2007US75380	20070807
WO08054909 A3	20080731	WO2007US75380	20070807
WO08054916 A2	20080508	WO2007US76010	20070815
WO08054916 A3	20080717	WO2007US76010	20070815
WO08057769 A2	20080515	WO2007US82404	20071024
WO08057769 A3	20080717	WO2007US82404	20071024
WO08060807 A2	20080522	WO2007US81817	20071018
WO08060807 A3	20080731	WO2007US81817	20071018
WO08069790 A2	20080612	WO2006US46374	20061205
WO08069790 A3	20081211	WO2006US46374	20061205
WO08073527 A2	20080619	WO2007US74645	20070727
WO08073527 A3	20080807	WO2007US74645	20070727
WO08082744 A2	20080710	WO2007US81676	20071017
WO08082744 A3	20081120	WO2007US81676	20071017
WO08082746 A2	20080710	WO2007US81976	20071019
WO08082746 A3	20080918	WO2007US81976	20071019
WO08085573 A2	20080717	WO2007US81265	20071012
WO08085573 A3	20081211	WO2007US81265	20071012
WO08085584 A2	20080717	WO2007US83018	20071030
WO08085584 A3	20080925	WO2007US83018	20071030

WO08088589 A2	20080724	WO2007US79228	20070921
WO08088589 A3	20081113	WO2007US79228	20070921
WO08088590 A2	20080724	WO2007US79394	20070925
WO08088590 A3	20081030	WO2007US79394	20070925
WO08088591 A2	20080724	WO2007US79499	20070926
WO08088591 A3	20081113	WO2007US79499	20070926
WO08091427 A2	20080731	WO2007US83211	20071031
WO08091427 A3	20081023	WO2007US83211	20071031
WO08143691 A1	20081127	WO2007US82654	20071026

Priority:

US20060361247	20060224	US20060384037	20060317	US20060394350	20060330
US20060279333	20060411	US20060379929	20060424	US20060381265	20060502
US20060381257	20060502	US20060381247	20060502	US20060381277	20060502
US20060381677	20060504	US20060383022	20060512	US20060420594	20060526
US20060421694	20060601	US20060423594	20060612	US20060425043	20060619
US20060426231	20060623	US20060456472	20060710	US20060820628P	20060728
US20060461624	20060801	US20060461605	20060801	US20060462845	20060807
US20060462795	20060807	US20060464764	20060815	US20060464788	20060815
US20060464799	20060815	US20060464751	20060815	US20060464775	20060815
US20060465063	20060816	US20060466727	20060823	US20060466953	20060824
US20060823806P	20060829	US20060470156	20060905	US20060531651	20060913
US20060825524P	20060913	US20060532461	20060915	US20060825976P	20060918
US20060826491P	20060921	US20060535021	20060925	US20060535282	20060926
US20060537469	20060929	US20060827591P	20060929	US20060827820P	20061002
US20060827828P	20061002	US20060828341P	20061005	US20060828342P	20061005
US20060539798	20061009	US20060539861	20061009	US20060548191	20061010
US20060829447P	20061013	US20060549874	20061016	US20060829779P	20061017
US20060550594	20061018	US20060551083	20061019	US20060862398P	20061020
US20060862718P	20061024	US20060863292P	20061027	US20060554452	20061030
US20060863469P	20061030	US20060863481P	20061030	US20060555589	20061101
US20060555896	20061102	US20060556620	20061103	US20060556520	20061103
US20060864302P	20061103	US20060559278	20061113	US20060566455	20061204
US20070894350P	20070312	US20080047130	20080312		

Probable Assignee: SOVEREIGN DEED LLC

Assignee(s): (std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E ; SOVEREIGN DEED LLC

Inventor(s): (std): SEIDEL GREGORY E ; BOTOS MATTHEW J ; MOORE BARRETT H

Inventor(s): MOORE BARRETT

Agent(s): FITCH EVEN TABIN AND FLANNERY; KRATZ RUDY; KRATZ RUDY I; KRUEGER JAMES P; KRATZ RUDY I ET AL; SAMPLES KENNETH H ET AL

Designated states: AE AG AL AM 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

62) Family number: 73499637 (US2019078347A)

© PatBase

Title: INTELLIGENT UMBRELLA OR ROBOTIC SHADING SYSTEM INCLUDING RODENT REPELLING DEVICE AND/OR INSECT DISABLING DEVICE

Abstract: An intelligent shading system, comprising a base assembly, the base assembly contacting a ground surface and a support assembly, the support assembly connected to the base assembly and a sensor expansion assembly. The sensor expansion assembly connected to the support assembly and to deploy and retract an expansion assembly, the sensor expansion assembly comprising one or more arm support assemblies and one or more arms. The intelligent shading system further comprises a rodent repelling device, the rodent repelling device to repel rodents away from an area around the intelligent shading system. The intelligent shading system further comprises an insect device, the insect device to disable or repel insects from an area away from an area around the intelligent shading system.

Classifications:

International (IPC 8-9): A01M1/04 A01M1/22 A01M29/12 A01M29/16 A01M29/18 E04H15/02 E04H15/28 E04H15/32

F04D29/58 (Advanced/Invention)

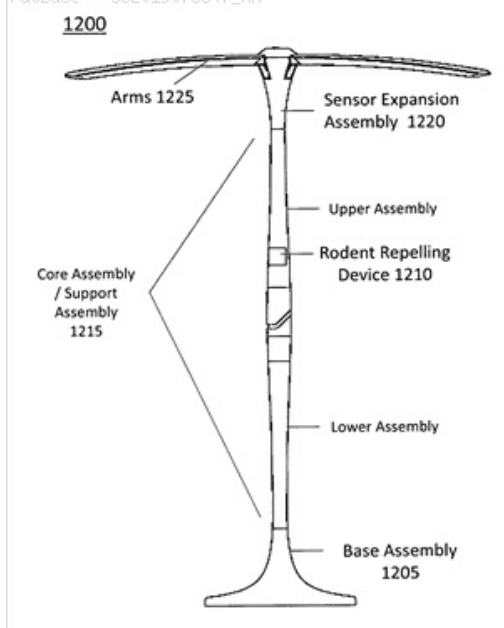
CPC: E04H15/02 E04H15/28 E04H15/32 F04D29/58 H02S99/00

A01M29/12 A01M1/223 A01M1/04 A01M29/18 A01M29/16

F21V33/0004 H02J7/0042 H04B1/3827 H04N7/181 H04R1/028

H04W4/80 H02J7/355

PatBase - US2019078347_AA



Family:

Publication number	Publication date	Application number	Application date
US2019078347 AA	20190314	US20170822924	20171127

Priority:

US20170556502P 20170910 US20170822924 20171127

Probable Assignee: SHADECRAFT INC

Assignee(s): (std): SHADECRAFT INC

Inventor(s): (std): GHARABEGIAN ARMEN SEVADA

63) Family number: 56489638 (US2014174080A)

© PatBase

Title: HYBRID TRIGENERATION SYSTEM BASED MICROGRID COMBINED COOLING, HEAT AND POWER PROVIDING HEATING, COOLING, ELECTRICAL GENERATION AND ENERGY STORAGE USING AN INTEGRATED AUTOMATION SYSTEM FOR MONITOR, ANALYSIS AND CONTROL

Abstract: Provided is a consumer to industrial scale energy trigeneration process based microgrid combined cooling, heat and power. The present invention includes conversion, processing, extraction and/or storage systems for electrical, chemical and thermal energy. The invention provides a quintessential renewable energy ecosystem incorporating vital energy generation, thermal heating and cooling processes with integrated components installed to encompass a distributed renewable energy generation, energy storage and integrated automation system. The automation system of the invention provides the ability to view, monitor, analyze, control and interact with system components.

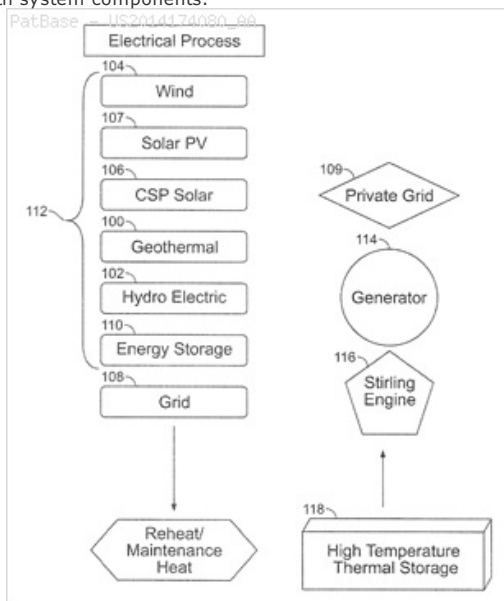
Classifications:

International (ipc 8-9): A01G31/02 A01G7/04 B29C45/17 C04B7/36 C10B53/00 C10B57/00 C10B57/10 C12M1/00 C12M1/34 C12M1/36 C12P7/06 C12P7/10 C21C5/52 C21D1/32 C22C33/08 C25C3/06 D01F9/12 D01F9/32 F01K F01K13/00 F01K13/02 F01K23/10 F01K25/00 F01K25/10 F01K27/02 F01K3/00 F01K3/02 F01K3/12 F02C F02C1/05 F02G1/043 F02G1/044 F02G1/053 F02G1/055 F02G1/057 F02G5/02 F03D7/04 F03D9/18 F03G F03G4/00 F03G6/00 F03G6/06 F03G7/00 F03G7/04 F03G7/10 F22B F22B1/00 F24J2/00 F24J2/07 F24J2/12 F24J2/14 F24J2/18 F24J2/52 F24J2/54 F24J3/00 F25B15/00 F25B27/00 F25B27/02 F25B9/14 F28D F28D20/00 H01M8/00 H01M8/04 H01M8/0662 H02J3/28 H02J3/38 H02K H02K7/18 H02S10/10 H02S40/22 H05B37/02 (Advanced/Invention); F02G1/043 F24J2/46 (Advanced/Non-invention); F01K F02C F03G F22B F28D H02K (Subclass/Invention)

International (ipc 1-7): F01K13/00 F01K13/02 F01K25/00 F01K3/00 F02G1/043 F03G6/00 F03G7/04

CPC: A01G31/02 A01G7/045 H05B37/0245 C12M21/02 C12M21/04 C12M41/06 C12M41/12 C12M41/48 C12M43/00 Y02P20/59 Y02T10/166 A01G31/00 F03G6/064 F22B1/006 F28D20/003 F28D2020/0082 F28D2020/0086 Y02E10/52 Y02E50/16 Y02E50/17 Y02P10/138 Y02P60/216 F01K3/02 F01K3/12 F01K23/10 F03G6/00 Y02B10/20 Y02P80/15 Y02P10/32 Y02P80/25 A01K63/04 F02G2254/30 Y02A20/142 F28D20/00 A01G22/00 F24J2/07 F24J2/14 F24J2/18 F24J2/5241 F24J2/541 F24J2/461 F24J2002/5462 F01K3/00 F01K13/00 F01K13/02 F01K25/00 F02G1/043 F03G6/067 F03G6/068 F03G7/04 F24S20/20 F24S23/74 F24S23/79 F24S25/50 F24S30/425 F24S40/20 F24S2030/134 F28D20/0039 Y02E10/41 Y02E10/45 Y02E10/46 Y02E10/47 Y02E20/14 Y02E60/142 Y02E70/30 Y02P80/24

US: 126/694 220/592.2 315/297 47/58.1LS 47/62R 60/516 60/517 60/641.1 60/698 62/331



Family:

Publication number	Publication date	Application number	Application date
AU2015203118 AA	20150709	AU20150203118	20150611
AU2017204250 AA	20170713	AU20170204250	20170622
BR102015013592 A2	20181030	BR20151013592	20150610
BR112015011248 A2	20171219	BR20151111248	20131115
CA2891435 AA	20151211	CA20152891435	20150514
CA2930794 AA	20160513	CA20132930794	20131115
CA2973565 AA	20170711	CA20142973565	20140501
CN104919144 A	20150916	CN201380070520	20131115
CN105257425 A	20160120	CN201510589238	20150611
EP2920432 A2	20150923	EP20130799442	20131115
EP2955372 A2	20151216	EP20150275151	20150610
EP2955372 A3	20160629	EP20150275151	20150610
HK1218148 A1	20170203	HK20160106103	20160530
JP2016000995 A2	20160107	JP20150116207	20150609
JP2016503477 A2	20160204	JP20150542822	20131115
JP2016503477 T2	20160204	JP20150542822T	20131115
US2014174080 AA	20140626	US20130081271	20131115
US2015143806 AA	20150528	US20150613994	20150204
US2015196002 AA	20150716	US20140267580	20140501
US2017204806 AA	20170720	US20170475995	20170331
US2018347406 AA	20181206	US20180102158	20180813
US9624913 BB	20170418	US20130081271	20131115
US10060296 BB	20180828	US20150613994	20150204
WO14078659 A2	20140522	WO2013US70313	20131115
WO14078659 A3	20150702	WO2013US70313	20131115
WO15105523 A1	20150716	WO2014US36410	20140501

Priority:

US20120727108P 20121115 US20130859377P 20130729 US20130877467P 20130913
US20130886213P 20131003 US20130896039P 20131026 US20130081271 20131115
WO2013US70313 20131115 US20140926372P 20140112 US20140954178P 20140317
US20140972365P 20140330 US20140267580 20140501 WO2014US36410 20140501

US20140010784P 20140611US20150613994 20150204AU20150203118 20150611US20170475995 20170331AU20170204250 20170622US20180102158 20180813

Probable Assignee: FRIESTH KEVIN LEE

Assignee(s): (std): FRIESTH KEVIN ; FRIESTH KEVIN LEE ; KEVIN LEE FRIESTH

Inventor(s): (std): FRIESTH KEVIN LEE ; FRIESTH KEVIN ; KEVIN LEE FRIESTH

Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; POTTER CLARKSON LLP; WENPING AND CO; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP; BRIAN J; JESSICA L; BRICK GENTRY PC; LAURENZO BRIAN J; MIKKILINENI SRIKANT

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 LI 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

64) Family number: 31485649 (US2005058689A)© PatBase

Title: ANTIFUNGAL PAINTS AND COATINGS

Abstract: Antifungal and antibacterial peptides, polypeptides and proteins as antifungal additives for paint and other coatings are disclosed, along with antifungal compositions, and coated surfaces with antifungal properties. Methods of using the coatings for treating and/or inhibiting growth of mold, mildew and other fungi and bacteria on objects such as building materials that are susceptible to such infestation are also disclosed.

Classifications:
International (ipc 8-9): A01N A01N25/00 A01N33/08 A01N37/18 A01N37/44 A01N37/46 A01N63/00 A01N63/02 A01P1/00 A01P3/00 A61F13/00 A61K31/74 A61K38/00 A61K38/08 A61K38/10 A61K47/48 B05D3/00 B05D5/00 B08B3/00 B32B3/12 B32B5/02 B65D81/00 B65D85/84 C07K14/00 C07K14/435 C07K17/00 C07K2/00 C07K5/08 C07K5/10 C07K7/00 C07K7/06 C07K7/08 C08G63/91 C08L89/00 C09D C09D133/00 C09D189/00 C09D201/00 C09D5/14 C09D5/16 C09D7/00 C09D7/12 C09J11/08 C12N C12N11/16 C12N9/00 C12N9/16 C12N9/18 C12N9/20 C12N9/48 C12N9/76 C12N9/78 C12Q1/00 C12Q1/34 C12Q1/527 C12S9/00 (Advanced/Invention); A01N33/00 A01N37/18 A01N37/44 A01N63/00 A01P1/00 A01P3/00 A61F13/00 A61K47/48 B05D3/00 C07K14/00 C07K5/00 C07K7/00 C08G63/00 C08L89/00 C09D201/00 C09D5/14 C09D5/16 C09D7/12 C09J11/00 C12N11/00 C12N9/00 C12N9/16 C12N9/48 C12N9/76 C12N9/78 (Core/Invention); A01N C09D (Subclass/Invention)
International (ipc 1-7): A61K38/00 C08L89/00 C09D201/00 C09D5/14 C09D5/16
CPC: A01N37/46 C07K14/4723 A01N63/00 B08B17/02 C07K7/06 C07K7/08 C09D5/1693 C09D189/00 C12Q1/34 C12Q1/44 C12Q1/61 C09D5/1637 Y10T428/24149 Y10T442/2279 C09D5/1668 C09D5/008 D06M16/003 C09D7/63 C09D7/70 C09D7/65 C09D5/1625 A01N63/02 C08L89/00 C09D5/14 B29C48/30 B29C48/32
European: A01N37/46 A01N63/00 A01N63/02 B08B17/02 C07K7/06 C07K7/08 C09D5/00F C09D5/14 C09D5/16C3K C09D5/16C7 C09D5/16R C09D7/12D4 C09D7/12M C09D7/12S C12Q1/34 C12Q1/44 C12Q1/61 D06M16/00B M08L89/00
US: 106/124.1 106/124.100S 106/15.05 106/15.050P 106/15.050S 106/18.32 106/18.320P 106/18.320P 106/18.320S 106/2 106/2P 106/4 106/4S 106/501.1 106/501.100S 134/26 134/26P 206/216 206/216S 206/524.1 206/524.100S 222/1 222/1S 424/404 424/409 424/422 424/422P 424/426 424/426P 424/78.09 424/94.2 424/94.200P 424/94.61 424/94.64 427/331 427/331S 427/352 427/352S 427/414 427/414P 428/116 428/116S 435/174 435/174S 435/18 435/183 435/183S 435/18P 435/196 435/196S 435/197 435/197S 435/198 435/198S 435/212 435/212S 435/213 435/213S 435/227 435/227S 435/264 435/264S 435/4 435/4S 442/93 442/93S 514/1.1 514/1.100P 514/12 514/16 514/17 514/18 514/2 514/2.4 514/2.400S 514/21.4 514/21.5 514/21.8 514/3.3 514/3.300P 514/3.300S 521/55 521/55P 523/122 523/122S 524/17 524/17S 524/590 525/54.1 525/54.100S 530/324 530/324S 530/326 530/326S 530/327 530/327S 530/329 530/329S 530/330 530/330S 530/331 530/331S 530/350 530/350S

PatBase - W005007756_A2

WD 20050717WPC/US20040217E

SEQUENCE LISTING

<110> Reactive Surfaces, Ltd.
<120> Antifungal Paints and Coatings
<130> 3A05-00401
<150> 45/445,334
<160> 2003-07-03
<170> Unknown
<180> 2004-07-03
<190> 189
<195> PatentIn version 3.1
<210> 1
<211> 6
<212> PPT
<213> peptide
<220> Misc.Feature
<221> (i) -(i10)
<230> x = anything
<400> 1
Zaa Xaa Xaa Xaa Arg Haa
1 5

<210> 2
<211> 6
<212> PPT
<213> peptide
<220> Misc.Feature
<221> (i) -(i10)
<230> x = anything
<400> 2
Zaa Xaa Xaa Xaa Phe Haa
1 5

<210> 3
<211> 6
<212> PPT
<213> peptide
<220> Misc.Feature
<221> (i) -(i10)
<230> x = anything
<400> 3
Zaa Xaa Xaa Xaa Lys Haa
1 5

307

Family:

Publication number	Publication date	Application number	Application date
AU2004257205 AA	20050127	AU20040257205	20040706
AU2004257205 BB	20101216	AU20040257205	20040706
AU2011201077 AA	20110407	AU20110201077	20110310
EP1644452 A2	20060412	EP20040756724	20040706
EP1644452 B1	20161214	EP20040756724	20040706
EP2431429 A2	20120321	EP20110168727	20040706
EP2431429 A3	20120627	EP20110168727	20040706
HK1083693 A1	20060707	HK20060104810	20060421
HK1083693 A3	20060707	HK20060104810	20060421
HK1083693 B	20180223	HK20060104810	20060421
HK1156652 A1	20120615	HK20110110948	20111013
HK1156652 A3	20120615	HK20110110948	20111013
IL173658 A0	20090211	IL20060173658	20060209
IL173658 A1	20120430	IL20040173658	20040706
IL218128 A0	20120329	IL20040218128	20040706
IL218129 A0	20120329	IL20120218129	20120215
IL218129 A1	20130930	IL20040218129	20040706
SG179021 A1	20120427	SG20120015939	20100915
US2005058689 AA	20050317	US20040884355	20040702
US2006141003 AA	20060629	US20060368086	20060303
US2009308277 AA	20091217	US20090543072	20090818
US2009308278 AA	20091217	US20090543172	20090818

US2009312232 AA	20091217	US20090543145	20090818
US2009312233 AA	20091217	US20090543160	20090818
US2009312234 AA	20091217	US20090543199	20090818
US2009312261 AA	20091217	US20090543187	20090818
US2009312267 AA	20091217	US20090543090	20090818
US2009312268 AA	20091217	US20090543117	20090818
US2009312269 AA	20091217	US20090543132	20090818
US2010210745 AA	20100819	US20100696651	20100129
US2010233146 AA	20100916	US20090474921	20090529
US2011070376 AA	20110324	US20100882563	20100915
US2011219982 AA	20110915	US20110089479	20110419
US2011224131 AA	20110915	US20110089459	20110419
US2011240064 AA	20111006	US20110069864	20110323
US2011250626 AA	20111013	US20110085061	20110412
US2011269672 AA	20111103	US20110173684	20110630
US2011319320 AA	20111229	US20110173243	20110630
US2012010128 AA	20120112	US20110186734	20110720
US2012010129 AA	20120112	US20110186794	20110720
US2012017802 AA	20120126	US20110232501	20110914
US2012024191 AA	20120202	US20110233088	20110915
US2012028884 AA	20120202	US20110232659	20110914
US2012028885 AA	20120202	US20110233195	20110915
US2012028886 AA	20120202	US20110233223	20110915
US2012097194 AA	20120426	US20110004279	20110111
US2014083324 AA	20140327	US20130093347	20131129
US2014196631 AA	20140717	US20140156007	20140115
US2015191607 AA	20150709	US20130097128	20131204
US7932230 BB	20110426	US20090543199	20090818
US7939500 BB	20110510	US20090543145	20090818
US8497248 BB	20130730	US20110089479	20110419
US8618066 BA	20131231	US20070865514	20071001
WO05007758 A2	20050127	WO2004US21711	20040706
WO05007758 A3	20050915	WO2004US21711	20040706
WO05007758 A8	20160317	WO2004US21711	20040706
WO11034931 A2	20110324	WO2010US48946	20100915
WO11034931 A3	20110811	WO2010US48946	20100915

Priority:

US20020409102P	20020909	US20030485234P	20030703	US20030655345	20030904
US20040884355	20040702	AU20040257205	20040706	EP20040756724	20040706
WO2004US21711	20040706	US20060368086	20060303	US20060827531P	20060929
US20070976676P	20071001	US20070865514	20071001	US20080057705P	20080530
US20080058025P	20080602	US20080243755	20081001	US20090148502P	20090130
US20090474921	20090529	WO2009US45692	20090529	US20090543072	20090818
US20090543172	20090818	US20090543145	20090818	US20090543160	20090818
US20090543199	20090818	US20090543187	20090818	US20090543090	20090818
US20090543117	20090818	US20090543132	20090818	US20090242485P	20090915
US20100293897P	20100111	US20100696651	20100129	US20100316504P	20100323
US20100322910P	20100412	US20100882563	20100915	WO2010US48946	20100915
US20110004279	20110111	AU20110201077	20110310	US20110069864	20110323
US20110085061	20110412	US20110089459	20110419	US20110089479	20110419
US20110173243	20110630	US20110173684	20110630	US20110186734	20110720
US20110186794	20110720	US20110232501	20110914	US20110232659	20110914
US20110233088	20110915	US20110233195	20110915	US20110233223	20110915
US20130093347	20131129	US20130097128	20131204	US20140156007	20140115

Probable Assignee: REACTIVE SURFACES LTD LLP

Assignee(s): (std): MCDANIEL C ; MCDANIEL C STEVEN ; MCDANIEL STEVEN C ; REACTIVE SURFACES LTD ; REACTIVE SURFACES LTD LLP ; STEVEN MCDANIEL C ; REACTIVE SURFACE LTD ; RAWLINS JAMES W ; WALES MELINDA ; WILLIAMS ERIC B

Assignee(s): STEVEN C MCDANIEL ; C MCDANIEL ; C STEVEN MCDANIEL

Inventor(s): (std): MCDANIEL STEVEN C ; MCDANIEL C S ; BRAASCH DWAIN E ; RAWLINS JAMES W ; WILLIAMS ERIC B ; WALES MELINDA ; CIPPI PIRRO ; RAWLINS JAMES ; WILLIAMS ERIC ; WALES MELINDA E ; CARVAJAL JUAN CARLO ; MCDANIEL C STEVEN

Inventor(s): C STEVEN MCDANIEL ; STEVEN MCDANIEL ; MCDANIEL C

Agent(s): WRAYS ; MARCHANT MICHAEL JOHN ; ELLA CHEONG HONG KONG LTD ; SPRUSON AND FERGUSON HONG KONG LTD ; DEACONS ; SANFORD TCOLB AND CO ; C STEVEN MCDANIEL MCDANIEL AND ASSOCIATES PC ; DAFFER MCDANIEL LLP ; C STEVEN MCDANIEL C O DAFFER MCDANIEL LLP ; RISSMAN HENDRICKS AND OLIVERIO LLP ; NOVAK DRUCE CONNOLLY BOVE AND QUIGG LLP ; MCDANIEL AND ASSOCIATES PC ; MCDANIEL C STEVEN

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 LI 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 RO RS RU 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 YU ZA ZM ZW

65) Family number: 63740654 (US2018007845A)

© PatBase

Title: SYSTEMS, METHODS, AND DEVICES FOR AEROPONIC PLANT GROWTH

Abstract: An aeroponic system for supporting efficient low-resource-usage plant growth comprises a housing comprising one or more openings and one or more root chambers; one or more sealing members configured to substantially conform to a stalk of a plant and to substantially isolate a canopy of the plant from the one or more root chambers; one or more root chamber sensors; one or more nutrient storage reservoirs for storage of plant nutrients; one or more air-assisted nozzles configured to introduce atomized nutrient solution into the one or more root chambers; a temperature control system configured to control a temperature of the one or more root chambers; and a control system configured to control the

temperature control apparatus and the one or more air-assisted nozzles to maintain environmental parameters associated with the one or more root chambers within desired parameter ranges.

Classifications:

International (IPC 8-9): A01G A01G13/04 A01G31/00 A01G31/04 A01G31/06 A01G7/04 A01G9/20 A01G9/24

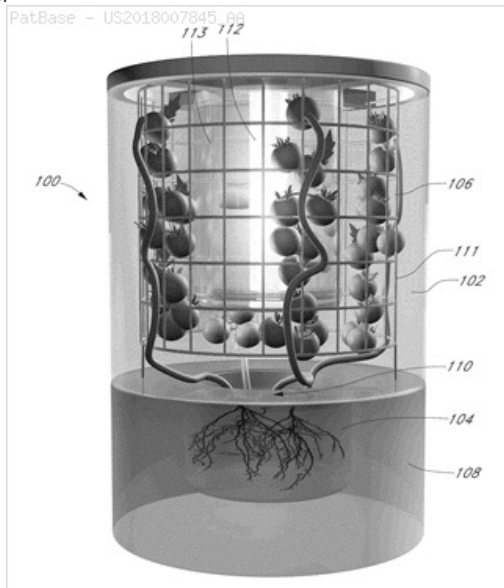
A01G9/26 (Advanced/Invention);

A01G (Subclass/Invention)

CPC: A01G9/246 A01G31/00 A01G9/26 A01G7/045 A01G31/06

A01G31/047 Y02P60/146 Y02P60/216

US: 47/62A



Family:

Publication number	Publication date	Application number	Application date
AU2016244849 AA	20171012	AU20160244849	20160407
AU2016244849 AA	20161013	AU20160244849	20160407
AU2016244849 AA	20171012	AU20160244849	20160407
AU2016244849 AA	20161013	AU20160244849	20160407
AU2016244849 AA	20171012	AU20160244849	20160407
CA2980035 AA	20170915	CA20162980035	20160407
EP3280248 A1	20180214	EP20160777318	20160407
EP3280248 A4	20181226	EP20160777318	20160407
IL254735 A0	20171130	IL20160254735	20160407
US2018007845 AA	20180111	US20170662137	20170727
US2019082619 AA	20190321	US20180952723	20180413
US9974243 BB	20180522	US20170662137	20170727
WO16164652 A1	20161013	WO2016US26538	20160407

Priority:

US20150145409P 20150409

US20150188538P 20150703

WO2016US26538 20160407

US20170662137 20170727

US20180952723 20180413

Probable Assignee: GROWX INC

Assignee(s): (std): GROWX INC ; MARTIN JOHN PAUL ARMAND

Assignee(s): KNOBBE MARTENS OLSON AND BEAR LLP

Inventor(s): (std): MARTIN JOHN PAUL ARMAND

Agent(s): DAVIES COLLISON CAVE PTY LTD; AIRD AND MCBURNEY LP; ABG PATENTES SL; KNOBBE MARTENS OLSON AND BEAR LLP; YEE THOMAS Y

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 LI 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

66) Family number: 34362694 (US2007074447A)

© PatBase

Title: MOSQUITO WATER TRAP

Abstract: A trap may include structure which provides the attraction of mosquitoes to breeding water and provides a variety of destruction mechanisms, including drying, drowning, heat, and ultrasonic killing mechanism and method for larvae, and a quick suction killing mechanism and method for adult mosquitoes. Other mechanisms, ancillary structures and additional action can be employed with any of the mechanisms singly, or a pair of the mechanisms along with a double acting trap to help kill adult mosquitoes.

Classifications:

International (IPC 8-9): A01M1/02 A01M1/06

A01M1/10 (Advanced/Invention);

A01M1/00 A01M1/02 (Core/Invention)

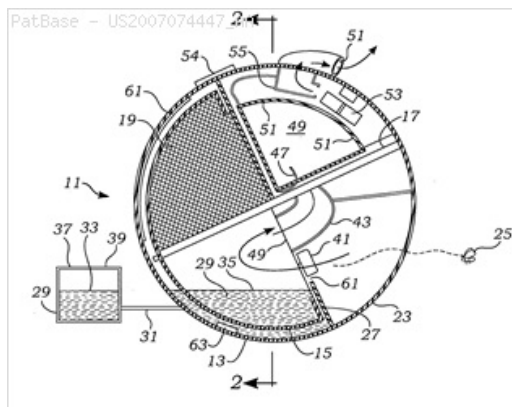
CPC: Y02A50/371 A01M1/026 A01M1/023 A01M1/06 A01M1/106

A01M2200/012

European: A01M1/02C A01M1/02E A01M1/06 A01M1/10 A01M1/10F

K01M200/012 K01M201/02

US: 43/107 43/139



Family:

Publication number	Publication date	Application number	Application date
US2007074447 AA	20070405	US20050244913	20051005

Priority:

US20050244913 20051005

Probable Assignee: DAKA RESEARCH INC BRITISH VIRGIN ISLANDS CORP

Assignee(s): (std): KALOGROULIS ALEXANDER J

Assignee(s): DAKA RESEARCH INC ; DAKA RESEARCH INC (BRITISH VIRGIN ISLANDS CORP) ; DAKA RESEARCH INC BRITISH VIRGIN ISLANDS CORP

Inventor(s): (std): KALOGROULIS ALEXANDER J

Inventor(s): KALOGROULIS ALEXANDER JOSEPH ; KALOGROULIS ALEXANDER

Agent(s): CURTIS L HARRINGTON SUITE 250

67) Family number: 58961700 (IN02985DE2013A)

© PatBase

Title: AN ENVIRONMENT FRIENDLY DEVICE TO KEEP INSECTS/HOUSEFLY AWAY FROM DESIRED AREA

Abstract: The present invention relates to an eco-friendly novel device that can keep the houseflies or other insects away and protects the desired area from being contaminated by them. The present eco-friendly device comprises a motor with flexible strings of threads that can be utilized to keep the flies away from the desired area (food etc.). The present invention relates to a device that can keep houseflies or other insects away from a particular area without killing and helps to maintain an ecological balance of nature. The present invention will have a high utility in rural areas, food joints, eateries, sweet shops, houses etc.

Classifications:

International (IPC 8-9): A01M C02F (Advanced/Invention);

A01M C02F (Subclass/Invention)

Family:

Publication number	Publication date	Application number	Application date
IN02985DE2013 A	20150410	IN2013DE02985	20131008

Priority:

IN2013DE02985 20131008

Probable Assignee: UNIV AMITY

Assignee(s): (std): UNIV AMITY

Assignee(s): AMITY UNIV

Inventor(s): (std): JAYNENDRA KUMAR RAI ; PARAMESWAR BANERJEE

68) Family number: 24049715 (US4015366A)

© PatBase

Title: HIGHLY AUTOMATED AGRICULTURAL PRODUCTION SYSTEM

Abstract: The present invention provides a highly automated agricultural production system which comprises, as essential components: 1. A sensing subsystem comprising direct and indirect sensing means in an agricultural production area. The direct sensing means are generally ground or plant mounted. The indirect sensing means are remote from the area being sensed. The direct and indirect sensing means are adapted to jointly generate data on all important parameters in the homogeneous agricultural production area; 2. A data transmitting subsystem for forwarding data generated by the direct and indirect sensing means to computing means and for transmitting instructions from the computing means via interfacing means (controllers) to various devices (field effectors) in the agricultural area to perform various functions; 3. A computing subsystem linked by way of said data transmitting subsystem to said indirect and direct sensing means in a pattern of many feedback loops. The computing means is programmed to enable correlation of data received from the indirect and direct sensing means and to generate appropriate instructions to accomplish a substantive number of functions required for the operation of the automated agricultural production system of the present invention as will be later described in detail, including, but not limited to, the control of the following subsystems. 4. A fluid delivery subsystem which provides: Means for delivering water, chemicals in liquid or gaseous form, air, and the like to various parts of the agricultural production area; and Means for providing power to various peripheral devices which utilize the power of moving liquid and/or gases-for example, a water powered (hydromotor) platform. 5. A field operations subsystem which, in a highly preferred embodiment, comprises means to harvest agricultural products, convey the agricultural products, grade the agricultural products, store the agricultural products, and pack the agricultural products. In addition to the above means which are essentially concerned with presenting the agricultural products in a form amenable for marketing, additionally means are provided for plant care, e.g., pruning, thinning and the like. A field operations subsystem which accomplishes the functions of fruit harvesting, fruit conveying, fruit grading and fruit storage which, in a most preferred embodiment of the present invention, accomplishes the above functions utilizing fluid received from the fluid delivery subsystem of the present invention. It is also highly preferred

that such fluid powered means be utilized in the agricultural system of the present invention for tree care, e.g., pruning of trees, thinning of trees and the like. The field operations can be accomplished, if desired, utilizing a vehicle which is powered by fluid, typically water, derived from the fluid delivery subsystem of the present invention by means of a water-to-mechanical torque converter (hereafter often called a hydromotor platform).

Classifications:

International (IPC 8-9): A01D46/00 A01D46/24 A01G25/16 A01G3/04 A01G7/00 A01M7/00 B07C5/342 (Advanced/Invention); A01D46/00 A01G25/16 A01G3/00 A01G7/00 A01M7/00 B07C5/342 (Core/Invention)

International (IPC 1-7): A01D46/00 A01G13/00 A01G27/00

CPC: Y10S47/06 A01D46/005 Y10T137/1963 Y10T137/402

Y10T137/7287 B07C5/342 A01D46/24 A01G3/04 A01G7/00

A01G25/16 A01M7/0089

European: A01D46/00B A01D46/24 A01G25/16 A01G3/04

A01G7/00 A01M7/00G B07C5/342

US: 137/236.1 137/386 137/79 138/111 180/305 193/25E 198/570 209/173 239/210 239/69 239/727 239/745 348/143 382/100 382/110 405/37 47/1.43 47/1R 47/2 47/DIG.6 56/237 56/328.1 700/14 700/283 700/30 700/67 700/90 702/2

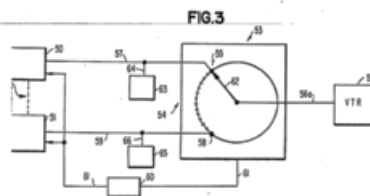
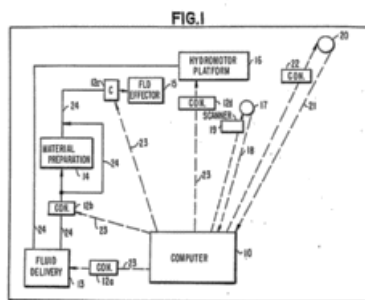
PatBase - US4015366_R

U.S. Patent

Sep. 7, 1982

Sheet 1 of 33

Re. 31,023



Family:

Publication number	Publication date	Application number	Application date
US4015366 A	19770405	US19750567322	19750411
USRE31023 E	19820907	US19790016845	19790302

Priority:

US19750567322 19750411 US19790016845 19790302

Probable Assignee: ADVANCED DECISION HANDLING INC

Assignee(s): (std): ADVANCED DECISION HANDLING INC

Inventor(s): (std): HALL III ARTHUR D

69) Family number: 2788718 (US4742189A)

© PatBase

Title: Visco-elastic delayed actuator

Abstract: A visco-elastic actuator mechanism including a support section and an actuator section. A visco-elastic adhesive is mounted to one of the sections and is engageable by the other of the sections to hold the actuator in a first state. A spring urges apart one of the sections relative to the other until the actuator is abruptly switched to a second state.

Classifications:

International (IPC 8-9): A61L9/12 F15B21/10 F16K31/48 G04F3/02 G05G7/14 H01H3/00 H01H43/10 H01H7/00 (Advanced/Invention); A61L9/12 F15B21/00 F16K31/44 G04F3/00 G05G7/00 H01H3/00 H01H43/00 H01H7/00 (Core/Invention)

International (IPC 1-7): A01G27/00 F15B21/00 F15B21/10 F16F9/30

F16K31/48 F22B1/28 G04C23/00 G04F3/02 G05G25/00 H01H3/00

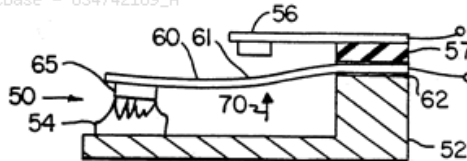
H01H43/10 H01H7/00

CPC: A61L9/12 H01H7/00

European: A61L9/12 H01H7/00

US: 200/237 200/33R 200/61.86 219/271 219/272 219/493 222/638 239/70 392/395 392/403

PatBase - US4742189_R



Family:

Publication number	Publication date	Application number	Application date
EP0271361 A2	19880615	EP19870310942	19871211
EP0271361 A3	19900207	EP19870310942	19871211
JP63163045 A2	19880706	JP19870229967	19870916
JP63181230 A2	19880726	JP19870312425	19871211
KR19880007934 A	19880829	KR19870014221	19871212
KR910007266 B1	19910924	KR19870014221	19871212
US4742189 A	19880503	US19860940803	19861212
US4791251 A	19881213	US19870054415	19870526

Priority:

US19860940803 19861212 US19870054415 19870526

Probable Assignee: PIEZO ELECTRIC PRODUCTS INC A CORP OF DE

Assignee(s): (std): PIEZO ELECTRIC PROD

Assignee(s): PIEZO ELECTRIC PROD INC ; PIEZO ELECTRIC PRODUCTS INC ; PIEZO ELECTRIC PRODUCTS INC A CORP OF DE

Inventor(s): (std): CARTER ROBERT E ; STONE PORTER ; STONE W PORTER ; DABURIYU POOTAA SUTOON ; ROBAATO II

KAATAA ; STONE W F

Inventor(s): STONE WF

Designated states: BE CH DE FR GB IT LI LU NL

70) Family number: 71677732 (US2018310542A)

© PatBase

Title: INSECT TRAP

Abstract: A compact insect trap providing a liquid attractant to lure insects and a fan to draw insects into a container. The container is detachable for ease of cleaning and filling with the attractant. Insects converge near the fumes at a narrow annular passage on the perimeter of the device. An internal fan is activated by a timing circuit and provides intermittent bursts of air directed inside and towards the container. Airflow continues upwards through a screen, the fan, and expelled past a unidirectional valve near the top of the device. Nearby insects are suctioned into the container and are retained within due to the screen, thus preventing contamination of moving parts. As airflow is paused, insects are released from the screen where they fall or fly into the attractant. Other embodiments are described and shown.

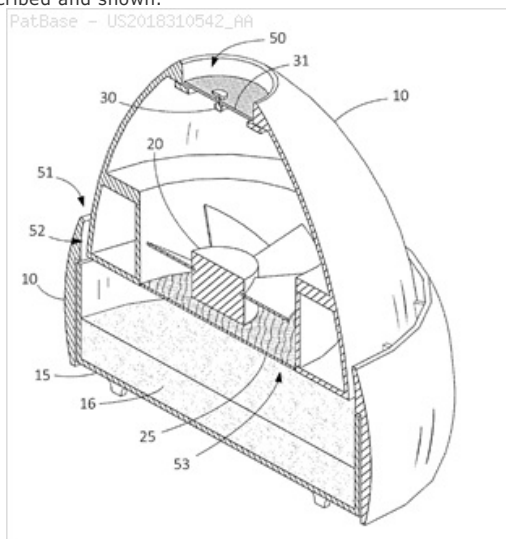
Classifications:

International (IPC 8-9): A01M1/02 A01M1/06 A01M1/08

A01M1/10 (Advanced/Invention)

CPC: A01M1/06 A01M1/08 A01M1/023 A01M1/106 A01M1/02

US: 43/107



Family:

Publication number	Publication date	Application number	Application date
US2018310542 AA	20181101	US20170583627	20170501
US10368536 BB	20190806	US20170583627	20170501

Priority:

US20170583627 20170501

Probable Assignee:

PEARCE JOSHUA KENNETH

Assignee(s): (std):

PEARCE JOSHUA KENNETH

Inventor(s): (std):

PEARCE JOSHUA KENNETH

71) Family number: 31717734 (US2006057724A)

© PatBase

Title: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY USEFUL FOR MODIFYING PLANT CHARACTERISTICS AND PHENOTYPES

Abstract: Isolated polynucleotides and polypeptides encoded thereby are described, together with the use of those products for making transgenic plants.

Classifications:

International (IPC 8-9): A01H1/00 A01H1/02 A01H1/04 A01H1/06

A01H5/00 A01H5/04 A01H5/10 A01H9/00 A23K1/00 A23K1/14

A23K10/30 A23L1/212 A23L19/00 C07H19/00 C07H21/04 C07K1/00

C07K14/01 C07K14/415 C10L1/10 C12N1/15 C12N1/20 C12N15/00

C12N15/05 C12N15/09 C12N15/10 C12N15/11 C12N15/29

C12N15/63 C12N15/64 C12N15/82 C12N15/87 C12N5/02 C12N5/04

C12N5/10 C12N5/14 C12N9/00 C12N9/88 C12Q1/68 C12Q1/6895 C40B30/04 G01N33/48 G01N33/566 (Advanced/Invention);

C07H21/04 C12N15/29 (Advanced/Non-invention);

A01H1/00 A01H1/02 A01H1/06 A01H5/00 A01H5/10 A23K1/00 A23K1/14 A23L1/212 C07H19/00 C07H21/00 C07K1/00

C07K14/01 C07K14/415 C10L1/10 C12N1/15 C12N15/05 C12N15/09 C12N15/10 C12N15/11

C12N15/29 C12N15/63 C12N15/64 C12N15/82 C12N15/87 C12N5/00 C12N5/04 C12N5/10 C12N5/14

C12Q1/68 (Core/Invention);

C12N (Subclass/Invention)

International (IPC 1-7): A01H1/00 A01H5/00 C07K14/415 C12N15/29 C12N15/82 C12N15/87 C12N5/04

CPC: C12N9/88 C12Q1/6895 A01H1/04 C12N15/8242 C12N15/8271 C12N15/8201 C12N15/8241 A01H1/02 C12Q2600/13

C12Q2600/156 C12N15/8273 C12Y208/02015 A23L19/00 A23K10/30 A23V2002/00 C12N15/827 C12N15/8291 C07K14/415

C12N15/8261 Y10T436/143333 C12N15/8262 C12N15/8269 C12N15/8243 Y02A40/146

European: A01H1/04 C07K14/415 C12N15/82C4B C12N15/82C4B10 C12N15/82C8 C12N15/82C8A C12N15/82C8A12

C12N15/82C8B C12N15/82C8B2 C12N15/82C8H

US: 426/531 426/615 426/615S 426/635 426/635P 426/635S 435/183 435/252.3 435/320.1 435/320.100S 435/418 435/418S

435/419 435/419P 435/419S 435/430 435/430S 435/440 435/440S 435/468 435/468S 435/531 435/6 435/6.1 435/6.100S

435/6.11 435/6.110S 435/6.12 435/6.120S 435/6.13 435/6.130S 435/6.15 435/6.150S 435/6.16 435/6.160S 435/6S 436/501

436/501S 436/94 436/94S 44/300 44/300S 506/5 506/5S 506/7 506/9 506/9S 530/324 530/324S 530/350 530/350S 530/370

530/370S 530/376 530/376S 536/22.1 536/22.100S 536/23.1 536/23.100S 536/23.2 536/23.200S 536/23.6 536/23.600S

536/24.5 536/24.500S 800/260 800/260P 800/260S 800/266 800/266P 800/267 800/275 800/275P 800/278 800/278P

800/278S 800/285 800/285P 800/287 800/287P 800/287S 800/288 800/288P 800/289 800/289P 800/289S 800/290 800/290P

800/290S 800/295 800/295S 800/298 800/298P 800/298S 800/306 800/306S 800/312 800/312P 800/312S 800/313 800/314



Family:

Publication number	Publication date	Application number	Application date
AT503840 E	20110415	AT20050749568T	20050425
AU2003272224 AA	20050310	AU20030272224	20030818
AU2005236074 AA	20051103	AU20050236074	20050425
AU2005250447 AA	20051215	AU20050250447	20050527
AU2005250447 BB	20120209	AU20050250447	20050527
AU2007207737 AA	20070726	AU20070207737	20070112
BRPI0318467 A	20060912	BR2003PI18467	20030818
BRPI0510082 A	20071016	BR2005PI10082	20050425
BRPI0510481 A	20071106	BR2005PI10481	20050527
BRPI0510481 B1	20190409	BR2005PI10481	20050527
BRPI0706526 A2	20110329	BR2007PI06526	20070112
CA2536320 AA	20060220	CA20032536320	20030818
CA2563943 AA	20061020	CA20052563943	20050425
CA2568367 AA	20061124	CA20052568367	20050527
CA2637058 AA	20070726	CA20072637058	20070112
CA2644675 AA	20080708	CA20072644675	20070112
CA2715397 AA	20090827	CA20092715397	20090220
CN101027397 A	20070829	CN200580019961	20050425
CN101400794 A	20090401	CN200780008937	20070112
CN102007214 A	20110406	CN200980113796	20090220
CN1860233 A	20061108	CN20038027174	20030818
DE602005027191 D1	20110512	DE200560027191T	20050425
EP1664308 A1	20060607	EP20030754397	20030818
EP1664308 A4	20070613	EP20030754397	20030818
EP1737965 A2	20070103	EP20050749568	20050425
EP1737965 B1	20110330	EP20050749568	20050425
EP1753865 A2	20070221	EP20050754896	20050527
EP1971686 A2	20080924	EP20070718176	20070112
EP2017345 A1	20090121	EP20080012999	20030818
EP2250268 A2	20101117	EP20090712553	20090220
EP2250268 A4	20110824	EP20090712553	20090220
ES2364152 T3	20110825	ES20050749568T	20050425
IN03756CN2008 A	20090313	IN2008CN03756	20080721
IN06589DN2010 A	20110909	IN2010DN06589	20100920
IN06678DN2006 A	20070831	IN2006DN06678	20061110
IN07327DN2006 A	20070622	IN2006DN07327	20061205
IN263366 B	20141031	IN2006DN07327	20061205
MX20080008950 A1	20081114	MX20080008950	20070112
MXPA06012147 A1	20070123	MX2006PA12147	20050425
MXPA06013748 A1	20070315	MX2006PA13748	20050527
US2006057724 AA	20060316	US20050172740	20050630
US2006112454 AA	20060525	US20050140450	20050527
US2006143729 AA	20060629	US20050174307	20050630
US2006195943 AA	20060831	US20050298391	20051208
US2007006345 AA	20070104	US20050324093	20051229
US2007006346 AA	20070104	US20050324098	20051229
US2007044172 AA	20070222	US20050114963	20050425
US2007061914 AA	20070315	US20050241685	20050930
US2007083953 AA	20070412	US20050248547	20051012
US2007169219 AA	20070719	US20070654357	20070116
US2007192907 AA	20070816	US20070649663	20070103
US2007250962 AA	20071025	US20030572827	20030818
US2008229442 AA	20080918	US20070858117	20070919
US2009100539 AA	20090416	US20070282342	20070314
US2009133156 AA	20090521	US20080139269	20080613
US2009172840 AA	20090702	US20070281616	20070314
US2009241208 AA	20090924	US20070779266	20070717
US2010031397 AA	20100204	US20080145273	20080624
US2010115670 AA	20100506	US20070514991	20071116
US2010119690 AA	20100513	US20090605261	20091023
US2010146663 AA	20100610	US20090615920	20091110
US2010170012 AA	20100701	US20070515707	20071121
US2010306873 AA	20101202	US20070377106	20070810
US2010310753 AA	20101209	US20100776319	20100507
US2011061122 AA	20110310	US20090863773	20090121
US2011061124 AA	20110310	US20090918609	20090220
US2011119785 AA	20110519	US20090922143	20090312
US2011247101 AA	20111006	US20100974661	20101221
US2011265199 AA	20111027	US20070445005	20071012
US2012005781 AA	20120105	US20100911698	20101025
US2012017330 AA	20120119	US20110184361	20110715
US2012216317 AA	20120823	US20120465846	20120507
US2012222171 AA	20120830	US20120453954	20120423
US2012227123 AA	20120906	US20120465841	20120507
US2013042367 AA	20130214	US20120644359	20121004
US2013139278 AA	20130530	US20120609176	20120910
US2013160163 AA	20130620	US20120663204	20121029

US2014245474 AA	20140828	US20140273492	20140508
US2014289884 AA	20140925	US20140164064	20140124
US2015143579 AA	20150521	US20140565186	20141209
US2015259699 AA	20150917	US20150627544	20150220
US2016369294 A9	20161222	US20120644359	20121004
US2017166917 AA	20170615	US20160362633	20161128
US2017240915 AA	20170824	US20170487287	20170413
US2018037905 AA	20180208	US20170679052	20170816
US2018105829 AA	20180419	US20170689941	20170829
US2018112229 AA	20180426	US20170838142	20171211
US2018298402 AA	20181018	US20180953264	20180413
US2018312861 AA	20181101	US20180962986	20180425
US2019093123 AA	20190328	US20180149997	20181002
US2019225980 AA	20190725	US20190265525	20190201
US2019225981 AA	20190725	US20190275537	20190214
US2019225982 AA	20190725	US20190275595	20190214
US2019241902 AA	20190808	US20190275659	20190214
US7244879 BB	20070717	US20050248547	20051012
US7396979 BB	20080708	US20050172740	20050630
US7663027 BB	20100216	US20050298391	20051208
US7696409 BB	20100413	US20050114963	20050425
US7803983 BB	20100928	US20050324093	20051229
US7884261 BB	20110208	US20050324098	20051229
US8022273 BB	20110920	US20050140450	20050527
US8110724 BB	20120207	US20070281616	20070314
US8183436 BB	20120522	US20100974661	20101221
US8193409 BB	20120605	US20030572827	20030818
US8324454 BB	20121204	US20070282342	20070314
US8471099 BB	20130625	US20090615920	20091110
US8481814 BB	20130709	US20050241685	20050930
US8962921 BB	20150224	US20110184361	20110715
US9637756 BB	20170502	US20120663204	20121029
US9765355 BB	20170919	US20120465841	20120507
US9777287 BB	20171003	US20120644359	20121004
US9879275 BB	20180130	US20140164064	20140124
US9914935 BB	20180313	US20100911698	20101025
US9957521 BB	20180501	US20140565186	20141209
US10006043 BB	20180626	US20170679052	20170816
US10138492 BB	20181127	US20170838142	20171211
US10233460 BB	20190319	US20170487287	20170413
US10233461 BB	20190319	US20180962986	20180425
US10240166 BB	20190326	US20160362633	20161128
WO05019462 A1	20050303	WO2003US25997	20030818
WO05103270 A2	20051103	WO2005US14197	20050425
WO05103270 A3	20070503	WO2005US14197	20050425
WO05103270 C1	20060223	WO2005US14197	20050425
WO05118823 A2	20051215	WO2005US18950	20050527
WO05118823 A3	20060629	WO2005US18950	20050527
WO06004955 A2	20060112	WO2005US23326	20050630
WO06004955 A3	20070215	WO2005US23326	20050630
WO06076099 A2	20060720	WO2005US44380	20051208
WO06076099 A3	20060908	WO2005US44380	20051208
WO07044988 A2	20070419	WO2006US40572	20061012
WO07044988 A3	20070607	WO2006US40572	20061012
WO07084385 A2	20070726	WO2007US00859	20070112
WO07084385 C1	20071025	WO2007US00859	20070112
WO07106593 A2	20070920	WO2007US06651	20070314
WO07106593 C1	20071129	WO2007US06651	20070314
WO07139608 A1	20071206	WO2007US06544	20070314
WO08046069 A2	20080417	WO2007US81301	20071012
WO08046069 A3	20080821	WO2007US81301	20071012
WO08057642 A1	20080515	WO2007US75747	20070810
WO08057642 A8	20140313	WO2007US75747	20070810
WO08061240 A2	20080522	WO2007US85007	20071116
WO08061240 A3	20080710	WO2007US85007	20071116
WO08061240 A8	20090716	WO2007US85007	20071116
WO08064341 A1	20080529	WO2007US85439	20071121
WO09094401 A2	20090730	WO2009US31609	20090121
WO09094401 A3	20091126	WO2009US31609	20090121
WO09094401 A9	20091008	WO2009US31609	20090121
WO09105612 A2	20090827	WO2009US34638	20090220
WO09105612 A3	20091126	WO2009US34638	20090220
WO09114733 A2	20090917	WO2009US37025	20090312
WO09114733 A3	20100311	WO2009US37025	20090312
ZA200805965 A	20090826	ZA20080005965	20070113

Priority:

EP20030754397	20030818	EP20080012999	20030818	US20030572827	20030818
WO2003US25997	20030818	US20040564659	20040423	US20040564659P	20040423
US20040575253	20040527	US20040575309P	20040527	US20040575253P	20040527
US20040583621P	20040630	US20040583631P	20040630	US20040584526P	20040630
US20040583671P	20040630	US20040583781P	20040630	US20040583651P	20040630

US20040684472P 20040930	US20040684470P 20040930	US20040615989P 20040930
WO2005US14197 20050425	US20050140347 20050527	US20050140450 20050527
WO2005US18950 20050527	US20050174307 20050630	US20050172740 20050630
US20050241685 20050930	US20050248547 20051012	US20050298391 20051208
US20050324093 20051229	US20050324098 20051229	US20060758831P 20060113
US20060778568P 20060301	US20060782735P 20060314	US20060782428P 20060314
US20060821639P 20060807	US20060837434P 20060811	US20060851585P 20061012
US20060859467P 20061116	US20060860296P 20061121	US20070649663 20070103
WO2007US00859 20070112	US20070654357 20070116	US20070572827 20070307
US20070282342 20070314	US20070281616 20070314	WO2007US06544 20070314
WO2007US06651 20070314	WO2007US06544 20070315	US20070778060 20070715
US20070779266 20070717	US20070377106 20070810	WO2007US75747 20070810
US20070858117 20070919	US20070445005 20071012	WO2007US81301 20071012
US20070514991 20071116	WO2007US85007 20071116	US20070515707 20071121
WO2007US85439 20071121	US20080022786P 20080122	US20080030152P 20080220
US20080036396P 20080313	US20080139269 20080613	US20080145273 20080624
US20080282342 20081117	US20080281616 20081205	US20090863773 20090121
WO2009US31609 20090121	US20090918609 20090220	WO2009US34638 20090220
US20090922143 20090312	WO2009US37025 20090312	US20090541607 20090814
US20090605261 20091023	US20090615920 20091110	US20090515707 20091216
US20100514991 20100108	US20100776319 20100507	US20100377106 20100813
US20100911698 20101025	US20100918609 20101122	US20100918309 20101122
US20100863773 20101123	US20100974661 20101221	US20110922143 20110201
US20110445005 20110713	US20110184361 20110715	US20120453954 20120423
US20120465846 20120507	US20120465841 20120507	US20120609176 20120910
US20120644359 20121004	US20120663204 20121029	US20140164064 20140124
US20140175856 20140207	US20140273492 20140508	US20140565186 20141209
US20150627544 20150220	US20160362633 20161128	US20170487287 20170413
US20170679052 20170816	US20170689941 20170829	US20170838142 20171211
US20180953264 20180413	US20180962986 20180425	US20180149997 20181002
US20190265525 20190201	US20190275595 20190214	US20190275537 20190214
US20190275659 20190214		

Probable Assignee: CERES INC

Assignee(s): (std): FELDMAN KENNETH ; DANG VAN DINH ; CERSE INC ; FELDMANN KEN ; FELDMANN KENNETH ; DANG DAVID VANDINH ; CHRISTENSEN CORY ; DANG DAVID VAN DINH ; FELDMANN KENNETH A ; CHRISTENSEN COREY ; CHRISTENSEN CORY R ; FELDMAN KENNETH A ; PENNELL ROGER ; KWOK SHING ; ZHANG HONGYU ; SERES INC ; MASCIA PETER ; ZHOU FASONG ; SOSA JULISSA ; HUND BONNIE D ; KIM HAN SUK ; NADZAN GREGORY ; SCHNEEBERGER RICHARD ; NADZAN GREG ; PICCOLO KERSTIN ; MAGPANTAY GERARD ; MARGOLLES CLARK EMILIO ; OKAMURO JACK ; WANG WUYI ; ALEXANDROV NICKOLAI ; APUYA NESTOR ; BROVER VYACHESLAV ; CERES INC

Assignee(s): CERES INC SCHNEEBERGER RICHARD MARGOLLES CLARK EMI ; CERESINC

Inventor(s): (std): MARGOLLES CLARK EMILIO ; MASCIA PETER ; NADZAN GREGORY ; BROVER VYACHESLAV ; PICCOLO KERSTIN ; SOSA JULISSA ; KIM HAN SUK ; WANG WUYI ; SCHNEEBERGER RICHARD ; APUYA NESTOR ; OKAMURO JACK ; DANG DAVID VAN DINH ; HUND BONNIE ; FELDMANN KENNETH A ; MAGPANTAY GERARD ; CHRISTENSEN CORY ; ALEXANDROV NICKOLAI ; ZHOU FASONG ; HONGYU FELDMAN KENNETH PENNELL ; KENNETH FELDMAN ; HONGYU ZHANG ; SHING KWOK ; VAN DINH DANG ; ROGER PENNELL ; NADZAN GREG ; CHRISTENSEN COREY ; KENNETH A FELDMANN ; GREG NADZAN ; GERARD SCHNEEBERGER RICHARD MA ; MARGOLLES CLARK ; FELDMAN KENNETH ; PENNELL ROGER ; KWOK SHING ; DANG VAN DINH ; ZHANG HONGYU ; DANG DINH VAN ; MAGPANTY GERARD ; CHRISTENSEN CORY R ; NESTOR APUYA ; FILIPINA ; FELDMAN KENNETH A ; CORY R CHRISTENSEN ; DINH DANG DAVID VAN ; GREGORY NADZAN ; RICHARD SCHNEEBERGER ; SUK KIM HAN ; SCHNEEBERGER RICHARD ; OKAMURA JACK ; DANG DAVID VANDINH ; FELDMANN KENNETH ; HUND BONNIE D ; FELDMANN KEN

Inventor(s): DAND DAVID VAN DINH ; FELDMAN KENNETH PENNELL ROGER KWOK SHING DANG VAN ; SCHNEEBERGER RICHARD MARGOLLES CLARK EMILIO ; SCHNEEBERGER RICHARD MARGOLLES CLARK EMILIO MAGPANTAY GERARD ; GERARD MAGPANTAY ; EMILIO MARGOLLES CLARK ; FELDMAN KENNETH PENNELL ROGER KWOK SHING DANG ; FELDMAN KENNETH PENNELL ROGER KWOK SHING DANG VAN DINH ZHANG HONGYU

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; KIRBY EADES GALE BAKER; ELSY DAVID; ELSY DAVID ET AL; BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP; DENTONS US LLP; SVENSSON LEONARD R; GORMAN SUSAN W

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 LI 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 YU ZA ZM ZW

72) Family number: 30184735 (US2006003433A)

© PatBase

Title: XYLANASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: The invention relates to xylanases and to polynucleotides encoding the xylanases. In addition, methods of designing new xylanases and methods of use thereof are also provided. The xylanases have increased activity and stability at increased pH and temperature.

Classifications:

International (IPC 8-9): A01H5/00 A01H5/10 A01K67/00 A21D8/02 A23L1/105 A23L7/104 C07H21/04 C07K16/40 C12N1/15 C12N1/19 C12N1/21 C12N11/00 C12N15/00 C12N15/09 C12N15/11 C12N15/113 C12N15/56 C12N15/63 C12N15/74 C12N5/10 C12N5/20 C12N9/24 C12N9/42 C12N9/96 C12P19/14 C12P21/06 C12P7/02 C12P7/06 C12P7/10 C12Q1/34 C12Q1/68 C12S11/00 C12S3/02 C12S3/08 D21C3/00 D21C5/00 D21H17/00 (Advanced/Invention); C12N15/11 C12N15/113 C12N15/56 C12N9/24 C12S3/04 C12S3/08 (Advanced/Non-invention); C12N1/21 C12N15/56 C12N9/42 (Core/Invention); C12N (Subclass/Invention)

International (IPC 1-7): C12N C12N0/00 C12N1/21 C12N15/09 C12N15/11 C12N15/56 C12N15/63 C12N5/10 C12N9/24

CPC: C12N9/248 C12N9/2482 C12P19/14 A01K2217/05 C07K2319/00 C07K2319/02 C12N9/2434 C12Y302/01008 D21C5/005 D21H17/005 Y02E50/16 Y02E50/17

European: C12N9/24A2D C12N9/42 C12Y302/01008 D21C5/00B

D21H17/00B K01K217/05 M07K319/00E M07K319/00E2 M07K319/02
M12N203/00 M12N203/02 M12N207/00 M12N213/02 M12N215/00
Y02E50/16
US: 426/18 426/20 426/20P 426/44 426/46 426/52 426/615 426/63
426/64 426/656 426/7 435/132 435/155 435/157 435/161 435/165
435/165P 435/174 435/176 435/177 435/18 435/180 435/188
435/190 435/200 435/200S 435/209 435/209P 435/252.3
435/252.300S 435/252.33 435/252.330S 435/264 435/267 435/274
435/277 435/277S 435/278 435/320.1 435/320.100S 435/325
435/325S 435/471 435/471S 435/6 435/69.1 435/69.100S 435/6S
435/99 506/10 506/10S 510/392 536/23.2 536/23.200S 8/401

PatBase - US2006003433_AA

Patent Application Publication Jan. 5, 2006 Sheet 1 of 11 US 2006/003433 A1

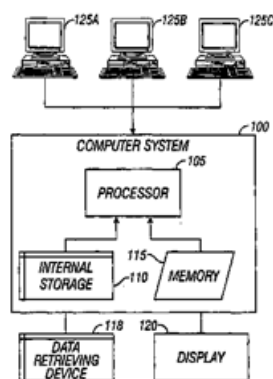


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AU2003251549 AA	20031231	AU20030251549	20030616
AU2003251549 BB	20080313	AU20030251549	20030616
AU2008201402 AA	20080424	AU20080201402	20080327
AU2008201402 BB	20120802	AU20080201402	20080327
AU2012208998 AA	20120816	AU20120208998	20120730
AU2015210488 AA	20150903	AU20150210488	20150810
AU2015210488 BB	20171012	AU20150210488	20150810
BRPI0312121 A	20070403	BR2003PI12121	20030616
CA2488916 AA	20041208	CA20032488916	20030616
CA2488916 C	20160809	CA20032488916	20030616
CN101967490 A	20110209	CN201010268914	20030616
CN101967490 B	20140716	CN201010268914	20030616
CN1675365 A	20050928	CN20038019147	20030616
DE60342376 D1	20121213	DE20036042376	20030616
DE60350272 D1	20170706	DE20036050272	20030616
DK1516053 T3	20130325	DK20030760440T	20030616
DK2298904 T3	20170911	DK20100179325T	20030616
EA200500019 A1	20060630	EA20050000019	20030616
EP1516053 A2	20050323	EP20030760440	20030616
EP1516053 A4	20060712	EP20030760440	20030616
EP1516053 B1	20121017	EP20030760440	20030616
EP2298904 A1	20110323	EP20100179325	20030616
EP2298904 B1	20170524	EP20100179325	20030616
EP2305820 A1	20110406	EP20100179307	20030616
EP2314698 A1	20110427	EP20100179289	20030616
ES2394708 T3	20130205	ES20030760440T	20030616
IN00014MN2005 A	20060519	IN2005MN00014	20050107
IN00208MN2014 A	20141226	IN2014MN00208	20140131
IN02732MN2011 A	20121221	IN2011MN02732	20111219
IN291355 B	20180105	IN2011MN02732	20111219
KR20050010053 A	20050126	KR20047020345	20030616
KR20080045764 A	20080523	KR20087009502	20030616
MXPA04012614 A1	20051214	MX2004PA12614	20030616
NZ537597 A	20080731	NZ20030537597	20030616
US2006003433 AA	20060105	US20030517939	20030616
US2008248160 AA	20081009	US20030463720	20030616
US2009221051 AA	20090903	US20090402421	20090507
US2013337507 AA	20131219	US20130835743	20130315
US7504120 BB	20090317	US20030463720	20030616
US7547534 BB	20090616	US20030517939	20030616
US8728769 BB	20140520	US20090402421	20090311
US8728769 BB	20140520	US20090402421	20090507
US9765319 BB	20170919	US20130835743	20130315
WO03106654 A2	20031224	WO2003US19153	20030616
WO03106654 A3	20040826	WO2003US19153	20030616
ZA200500171 A	20100630	ZA20050000171	20050107
ZA200906125 A	20151223	ZA20090006125	20090903

Priority:

US20020389299 20020614	US20020389299P 20020614	AU20030251549 20030616
EP20030760440 20030616	EP20100179325 20030616	US20030463720 20030616
US20030517939 20030616	WO2003US19153 20030616	US20050517939 20050727
AU20080201402 20080327	US20090402421 20090311	US20090402421 20090507

Assignee(s): (std): DIVERSA CORP ; STEER BRIAN ; CALLEN WALTER ; HEALEY SHAUN ; HAZLEWOOD GEOFF ; ESTEGHLALIAN ALIREZA ; VERENIUM CORP ; SYNGENTA PARTICIPATIONS AG ; SYNGENTA AG ; BLUM DAVID ; BP CORP NORTH AMERICA INC ; WU DI

Assignee(s): BP NORTH AMERICA INC CORP ; BP NORTH AMERICA INC CORP4104 WINFIELD ROADWARRENVILLEIL60555US ; BP NORTH AMERICA INC HOUSTON CORP ; BP NORTH AMERICA INC WARRENVILLE CORP ; DIVERSA CORP4955 DIRECTORS PLACESAN DIEGOC9A92121-1609US ; VERENIUM CORP4955 DIRECTORS PLACESAN DIEGOC9A92121US ; VERENIUM CORP SAN DIEGO

Inventor(s): (std): GEOFF HAZLEWOOD ; ALIREZA ESTEGHLALIAN ; BRIAN STEER ; WALTER CALLEN ; DAVID BLUM ; DI WU ; SHAUN HEALEY ; GEOFF HAZLEWOOD ; ESTEGHLALIAN ALIEREZA ; ESTEGHLALIAN ALIREZA ; BLUM DAVID ; WU DI ; HAZLEWOOD GEOFF ; HEALEY SHAUN ; CALLEN WALTER ; STEER BRIAN ; BLUM DAVID MICHAEL ; HAZELWOOD GEOFF

Inventor(s): STEER BRIAN SAN DIEGO ; ESTEGHLALIAN ALIREZA LA JOLLA ; BLUM DAVID SAN DIEGO ; WU DI SAN DIEGO ; HEALEY SHAUN SAN DIEGO ; HAZLEWOOD GEOFF SAN DIEGO ; CALLEN WALTER SAN DIEGO ; WU DIUS ; HAZLEWOOD GEOFFUS ; ESTEGHLALIAN ALIREZAUS ; STEER BRIANUS ; BLUM DAVIDUS ; CALLEN WALTERUS ; HEALEY SHAUNUS

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; HERBERT SMITH FREEHILLS; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; KUHNEN AND WACKER PATENT U RECHTSANWALTSBUERO; WAKERLEY HELEN RACHAEL; UNGRIA JAVIER; DIVERSA C O MOFO SD; MORRISON AND FOERSTER LLP; VERENIUM C O MOFO SD; REENA R; DLA PIPER LLP

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 LI 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 SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

73) Family number: 30582739 (US2004139648A)

© PatBase

Title: SYSTEM FOR TRAPPING FLYING INSECTS AND A METHOD FOR MAKING THE SAME

Abstract: The present application discloses a device for attracting and capturing flying insects, and a method for attracting and capturing flying insects. The device and method use at least one electrically-powered airflow generator and an electrically-powered heater.

Classifications:

International (IPC 8-9): A01M1/02 A01M1/06 (Advanced/Invention)

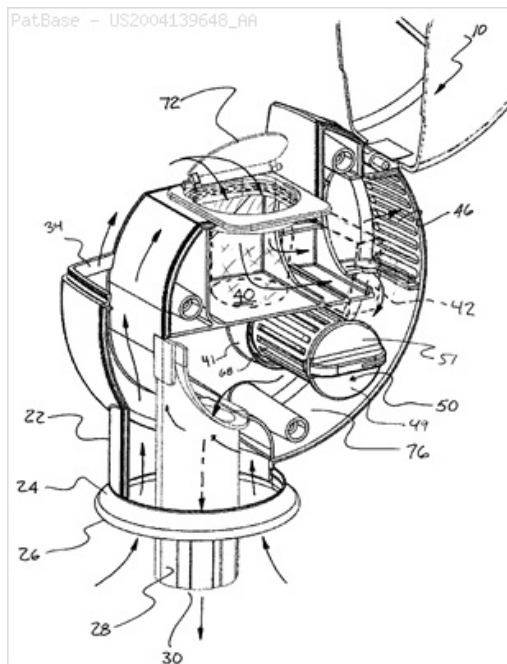
International (IPC 1-7): A01M1/02 A01M1/06 A01M1/08 A01M5/08

CPC: A01M1/023 A01M1/06 A01M2200/012

European: A01M1/02B A01M1/02C A01M1/06 K01M200/012

K01M201/02

US: 43/139 43/139P



Family:

Publication number	Publication date	Application number	Application date
AU2003287146 AA	20040513	AU20030287146	20031014
TH64419 A	20040930	TH20031003917	20031016
TW200418373 A	20041001	TW20030128728	20031016
US2004139648 AA	20040722	US20030686815	20031017
US8347549 BB	20130108	US20030686815	20031017
WO04036989 A1	20040506	WO2003US32484	20031014

Priority:

US2002041908P 20021018 WO2003US32484 20031014 US20030686815 20031017

Probable Assignee: WOODSTREAM CORP

Assignee(s): (std): AMERICAN BIOPHYSICS CORP ; PALOMBO MICHAEL J ; DURAND EMMA A ; WOODSTREAM CORP

Assignee(s): RAM OPPORTUNITY FUND I ; RAM OPPORTUNITY FUND I LLC ; PERKY PET PRODUCTS INC ; SENORET CHEMICAL CO ; WOODSTREAM SUCCESSOR TO AMERICAN BIOPHYSICS CORP CORP ; ALLIED CAPITAL CORP ; GENERAL ELECTRIC CAPITAL COLLATERAL AGENT AS CORP ; CALIFORNIA PLASTIC PRODUCTS INC ; FI SHOCK INC ; ARES CAPITAL COLLATERAL AGENT AS CORP ; ANTARES CAPITAL AGENT AS CORP ; ANTARES CAPITAL AGENT CORP AS ; ANTARES CAPITAL CORP ; FLEET CAPITAL CORP

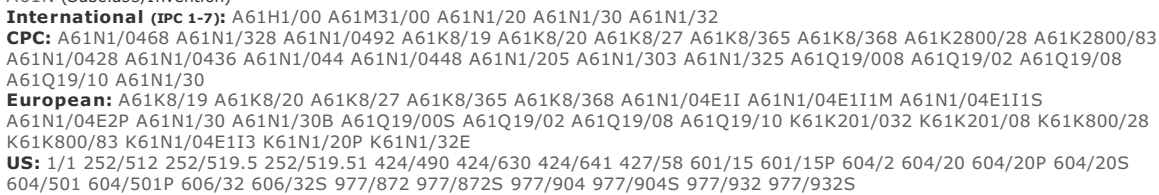
Inventor(s): (std): DURAND EMMA A ; PALOMBO MICHAEL J

Inventor(s): MICHAEL J PALOMBO ; EMMA A DURAND

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 EG ES FI FR GA GB GD GE GH GM GN GO 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 ME MG MK ML MN MR MW MX MY NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Abstract: The present invention features a device having a barrier membrane contacting surface, the device containing: a power source; a first conductive electrode; a second conductive electrode; and a carrier; wherein the power source is in electric communication with the first conductive electrode and the second conductive electrode, wherein the first conductive electrode and the second conductive electrode are in ionic communication with the carrier, and wherein the carrier is in communication with the barrier membrane contacting surface.

International (IPC 8-9): A01N59/16 A01N59/20 A61B18/12
A61K31/33 A61K31/616 A61K31/65 A61K31/7048 A61K33/30
A61K33/32 A61K33/34 A61K33/38 A61K33/40 A61K8/19 A61K8/20
A61K8/27 A61K8/365 A61K8/368 A61K9/00 A61K9/16 A61K9/50
A61K9/70 A61M31/00 A61N A61N1/04 A61N1/20 A61N1/30
A61N1/32 A61P17/10 A61Q19/00 A61Q19/02 A61Q19/08 A61Q19/10
H01B1/02 H01B1/22 (Advanced/Invention);
A61B18/12 A61M31/00 A61N1/20 A61N1/30
A61N1/32 (Advanced/Non-invention);
A61N1/30 (Core/Invention);
A61N1/20 A61N1/32 (Core/Non-invention);
A61N (Subclass/Invention)



Publication number	Publication date	Application number	Application date
AT527015 E	20111015	AT20040756069T	20040624
AU2004255182 AA	20050120	AU20040255182	20040624
AU2004255182 BB	20100527	AU20040255182	20040624
AU2004255184 AA	20050120	AU20040255184	20040624
AU2004255184 BB	20100527	AU20040255184	20040624
AU2004255186 AA	20050120	AU20040255186	20040624
AU2004255186 BB	20110310	AU20040255186	20040624
AU2004255187 AA	20050120	AU20040255187	20040624
AU2004255187 BB	20110512	AU20040255187	20040624
BRPI0412027 A	20060905	BR2004PI12027	20040624
BRPI0412046 A	20060815	BR2004PI12046	20040624
BRPI0412103 A	20060815	BR2004PI12103	20040624
BRPI0412109 A	20060815	BR2004PI12109	20040624
CA2530593 AA	20051223	CA20042530593	20040624
CA2530598 AA	20051223	CA20042530598	20040624
CA2530598 C	20140311	CA20042530598	20040624
CA2530603 AA	20051223	CA20042530603	20040624
CA2530603 C	20120605	CA20042530603	20040624
CA2530766 AA	20051228	CA20042530766	20040624
CA2530766 C	20141028	CA20042530766	20040624
CA2838411 AA	20050120	CA20042838411	20040624
CN104147694 A	20141119	CN2014110425590	20040624
CN1826153 A	20060830	CN200480021261	20040624
CN1826153 B	20101124	CN200480021261	20040624
CN1826154 A	20060830	CN200480021312	20040624
CN1829552 A	20060906	CN200480021926	20040624
CN1829552 B	20101208	CN200480021926	20040624
CN1832776 A	20060913	CN200480022232	20040624
CY1114903 T1	20161214	CY20141100120T	20140218
DE602004034700 D1	20111124	DE200460034700T	20040624
DE602004044092 D1	20140213	DE200460044092T	20040624
DK1644076 T3	20140203	DK20040756017T	20040624
EP1638644 A1	20060329	EP20040756079	20040624
EP1641524 A1	20060405	EP20040755994	20040624
EP1644076 A1	20060412	EP20040756017	20040624
EP1644076 B1	20131225	EP20040756017	20040624
EP1651309 A1	20060503	EP20040756069	20040624
EP1651309 B1	20111005	EP20040756069	20040624
EP2357018 A2	20110817	EP20100180463	20040624
EP2357018 A3	20140219	EP20100180463	20040624
EP2357019 A2	20110817	EP20100181144	20040624
EP2357019 A3	20140226	EP20100181144	20040624
EP2438958 A2	20120411	EP20110178780	20040624
EP2438958 A3	20120801	EP20110178780	20040624

ES2372050 T3	20120113	ES20040756069T	20040624
ES2453195 T3	20140404	ES20040756017T	20040624
HK1092397 A1	20070209	HK20060113175	20061130
HK1092397 A1	20110902	HK20060113175	20061130
HK1092397 A3	20070209	HK20060113175	20061130
HK1092397 B	20110902	HK20060113175	20061130
HK1092398 A1	20070209	HK20060113176	20061130
HK1092398 A3	20070209	HK20060113176	20061130
HK1092399 A1	20110902	HK20060113181	20061130
HK1092399 A1	20070209	HK20060113181	20061130
HK1092399 A3	20070209	HK20060113181	20061130
HK1092399 B	20110902	HK20060113181	20061130
HK1092744 A1	20070216	HK20060113476	20061207
HK1092744 A3	20070216	HK20060113476	20061207
HK1093452 A1	20120713	HK20060112145	20061103
HK1093452 A1	20070302	HK20060112145	20061103
HK1093452 A3	20070302	HK20060112145	20061103
HK1093452 B	20120713	HK20060112145	20061103
IN00714KN2006 A	20090403	IN2006KN00714	20060324
IN00715KN2006 A	20080516	IN2006KN00715	20060324
IN00715KN2006 A	00000000	IN2006KN00715	20060130
IN00716KN2006 A	20090213	IN2006KN00716	20060130
IN00716KN2006 A	20090213	IN2006KN00716	20060324
IN00717KN2006 A	20070803	IN2006KN00717	20060324
IN270588 B	20160108	IN2006KN00714	20060324
JP2007537767 T2	20071227	JP20060518683T	20040624
JP5068530 B2	20121107	JP20060518683T	20040624
KR101100630 B1	20120103	KR20057025335	20040624
KR101100631 B1	20120103	KR20057025431	20040624
KR101100632 B1	20120103	KR20057025483	20040624
KR101208934 B1	20121207	KR20057025430	20040624
KR20060038960 A	20060504	KR20057025483	20040624
KR20060057545 A	20060526	KR20057025431	20040624
KR20060101206 A	20060922	KR20057025335	20040624
KR20060101851 A	20060926	KR20057025430	20040624
MXPA06000286 A1	20060703	MX2006PA00286	20040624
MXPA06000289 A1	20060703	MX2006PA00289	20040624
MXPA06000291 A1	20060703	MX2006PA00291	20040624
MXPA06000292 A1	20060703	MX2006PA00292	20040624
PH2014500337 A	20151116	PH20140500337	20140211
PT1644076 T	20140310	PT20040756017T	20040624
US2004267169 AA	20041230	US20030609727	20030630
US2004267237 AA	20041230	US20030685282	20031014
US2005004508 AA	20050106	US20040874862	20040623
US2005004509 AA	20050106	US20040874916	20040623
US2005004550 AA	20050106	US20040874860	20040623
US2005010161 AA	20050113	US20040874917	20040623
US2005010192 AA	20050113	US20040875032	20040623
US2005015042 AA	20050120	US20040874918	20040623
US2005148996 AA	20050707	US20040019557	20041222
US2007060862 AA	20070315	US20060590380	20061031
US2009076479 AA	20090319	US20080272198	20081117
US7476221 BB	20090113	US20030685282	20031014
US7476222 BB	20090113	US20040874862	20040623
US7477939 BB	20090113	US20040874860	20040623
US7477940 BB	20090113	US20040874916	20040623
US7477941 BB	20090113	US20040874918	20040623
US7479133 BB	20090120	US20040874917	20040623
US7480530 BB	20090120	US20030609727	20030630
US8239017 BB	20120807	US20080272198	20081117
US8475689 BB	20130702	US20060590380	20061031
US8734421 BB	20140527	US20040875032	20040623
US9050452 BB	20150609	US20040019557	20041222
WO05004979 A1	20050120	WO2004US20382	20040624
WO05004981 A2	20050120	WO2004US20208	20040624
WO05004982 A2	20050120	WO2004US20271	20040624
WO05004983 A2	20050120	WO2004US20371	20040624

Priority:

US20030809727	20030630	US20030609727	20030630	US20030808727	20030630
US20030609272	20030630	US20030685282	20031014	US20030885282	20031014
US20040874860	20040623	US20040874917	20040623	US20040874918	20040623
US20040875032	20040623	US20040874862	20040623	US20040874916	20040623
CA20042530598	20040624	EP20040756079	20040624	EP20040755994	20040624
EP20040756017	20040624	EP20040756069	20040624	WO2004US20208	20040624
WO2004US20271	20040624	WO2004US20371	20040624	WO2004US20382	20040624
US20040019557	20041222	US20060590380	20061031	US20080272198	20081117
CA20142530598	20140121				

Probable Assignee: JOHNSON AND JOHNSON CONSUMER INC

Assignee(s): (std): CHANTALAT JEANNETTE ; HAUSCHILD JAMES E ; J AND J CONSUMER COMPANIES INC ; JOHNSON AND JOHNSON ; JOHNSON AND JOHNSON CONSUMER ; LIU JUE CHEN ; JOHNSON AND JOHNSON CONSUMER COMPANIES INC ; SUN YING ; WU JEFFREY M ; WU JEFFREY ; PHIPPS JOSEPH B ; OMER ALIYA

Assignee(s): JOHNSON AND JOHNSON CONSUMER PRODUCTS INC ; JOHNSON JOHNSON ; JOHNSON AND JOHNSON

Inventor(s): (std): CONSUMER COMPAINES INC ; JOHNSON AND JOHNSON CONSUMER COMPANIES INC 199 GRANDVIEW ROADSKILLMANNJ08558US ; JOHNSON AND JOHNSON CONSUMER COMPANIES LLC ; JOHNSON AND JOHNSON CONSUMER INC ; JOHNSON AND JOHNSON CONSUMER COMPANIES INC SKILLMAN ; JOHNSON ANDJOHNSON CONSUMER COMPANIES INC
SUN YING ; LIU JUE CHEN ; WU JEFFREY M ; HAUSCHILD JAMES E ; WU JEFFREY ; CHANTALAT JEANNETTE ; OMER ALIYA ; PHIPPS JOSEPH B ; SUN YING LIU JUE CHEN WU JEFFR ; JAMES E HAUSCHILD ; JEFFREY MWU ; YING SUN ; JUE CHEN LIU ; JEANNETTE CHANTALAT ; JEFFREY M WU ; JOSEPH B PHIPPS ; ALIYA OMER ; JEFFREY WU ; HAUSCHILD JAMES ; JUE CHEN SUN YING WU JEFFREY L ; ALIYA SUN YING WU JEFFREY LIU ; LIU JUE CHEN J ; CHEN LIU JUE

Inventor(s): SUN YING WU JEFFREY LIU JUE CHEN CHANTALAT... ; SUN YING LIU JUE CHEN WU JEFFREY M HAUSCHILD JAMES ; SUN YING WU JEFFREY LIU JUE CHEN CHANTALAT JEANNET ; SUN YING WU JEFFREY LIU JUE CHEN CHANTALAT JEANNETTE OMER ALIYA ; PHIPPS JOSEPH ; HAUSCHILD JAMES EUS ; SUN YINGUS ; LIU JUE CHENUS ; WU JEFFREY MUS ; SUN YING BELLE MEAD ; LIU JUE CHEN BELLE MEAD ; WU JEFFREY M WARRINGTON ; HAUSCHILD JAMES E CRANBURY ; OMER ALIYA PRINCETON ; WU JEFFREY WARRINGTON ; CHANTALAT JEANNETTE PRINCETON ; WU JEFFERY M ; WU JEFFERY ; SUN YING LIU JUE CHEN WU JEFFREY M ; SUN YING WU JEFFREY LIU JUE CHEN

Agent(s): SHELSTON IP PTY LTD; SHELSTON IP; SMART AND BIGGAR; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB PATENTANWAELTE RECHTSANWAELTE; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; FISHER ADRIAN JOHN; CARPMAELS AND RANSFORD; IZQUIERDO JOSE; SHANGHAI PATENT AND TRADEMARK OFFICE; CHINA PATENT AGENT HK LTD; PHILIP S JOHNSON JOHNSON AND JOHNSON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG 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 LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

75) Family number: 40508752 (US2011030266A)

© PatBase

Title: FLYING INSECT CAPTURE APPARATUS

Abstract: An apparatus for killing insects, the apparatus including one or more host targets for attracting flying insects using one or a combination of ultraviolet light, halogen light, heat, and chemical sensory emissions attractive to flying insects; upper and lower housings connected in a manner to establish a vertical separation to accommodate an air column open to the atmosphere; and one or more insect capture assemblies located to receive the air current having a mesh or other means dimensioned to separate insects from the air current of the air column. The air column is generated by one or more air current generators in the upper and/or lower assemblies to produce a uniform air current open to the atmosphere and flowing vertically at an increased relative speed to the atmosphere thereby creating a zone of differential pressure where the pressure is lowest at the interface between the air column and the atmosphere and increases to atmospheric pressure radially at a distance away from the air column. The differential pressure urges insects into the air column for entrapment into the capture assembly.

Classifications:

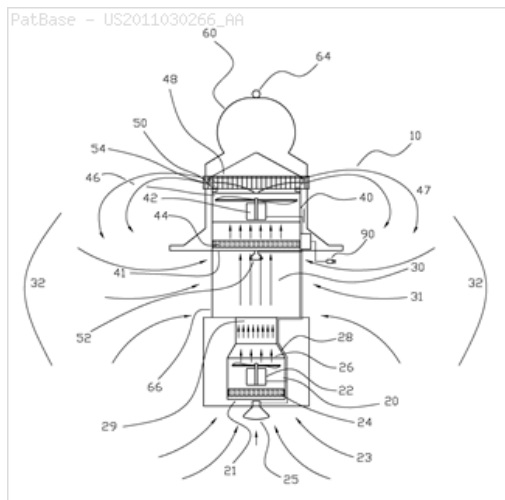
International (IPC 8-9): A01M1/04 A01M1/08 (Advanced/Invention);

A01M1/08 (Core/Invention)

CPC: A01M1/08 A01M2200/012

European: A01M1/08 K01M200/012 K01M201/02

US: 43/113 43/113P



Family:

Publication number	Publication date	Application number	Application date
CA2543218 AA	20071006	CA20062543218	20060406
US2011030266 AA	20110210	US20090502541	20090714

Priority:

CA20062543218 20060406 US20080081258P 20080716 US20090502541 20090714

Probable Assignee: CASATA TECHNOLOGIES INC

Assignee(s): (std): CASATA TECHNOLOGIES INC ; ROY SYLVAIN ; SERRENTINO ROY JOANNE

Inventor(s): (std): ROY SYLVAIN ; SERRENTINO ROY JOANNE ; SEVERINI JOSEPH ANTHONY ; SERRENTINO JOANNE ; NACCARATO JOHN RALPH

Agent(s): NA; CASATA TECHNOLOGIES INC JOHN NACCARATO

76) Family number: 45169762 (US2010218264A)

© PatBase

Title: GENOME EDITING IN RATS USING ZINC-FINGER NUCLEASES

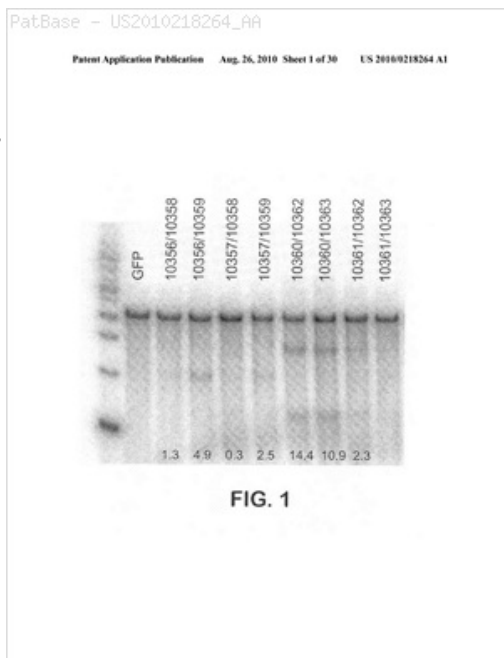
Abstract: Disclosed herein are methods and compositions for genome editing of one or more loci in a rat, using fusion proteins comprising a zinc-finger protein and a cleavage domain or cleavage half-domain. Polynucleotides encoding said fusion proteins are also provided, as are cells comprising said polynucleotides and fusion proteins.

Classifications:

International (IPC 8-9): A01K A01K67/00 A01K67/027 A01K67/033 A01K67/04 A61B5/00 A61K31/7088 A61K38/00 A61K38/46 A61K49/00 A61P43/00 C07H21/00 C07H21/04 C07K14/00 C07K14/00 C07K14/195 C07K14/47 C07K17/00 C07K19/00 C07K7/06 C12N C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/01 C12N15/09 C12N15/10 C12N15/11 C12N15/55 C12N15/62 C12N15/63 C12N15/85 C12N15/87 C12N15/873 C12N15/90 C12N5/00 C12N5/07 C12N5/071 C12N5/073 C12N5/10 C12N5/16 C12N7/01 C12N9/10 C12N9/16 C12N9/22 C12N9/96 C12P19/34 C12P21/06 C12Q1/00 C12Q1/02 C12Q1/68 F21V9/16 G01N33/00 G01N33/48 G01N33/50 G01N33/58 G01N33/68 (Advanced/Invention); A01K67/027 C07K19/00 C12N15/11 C12N15/13 C12N15/65 C12N5/10 (Advanced/Non-invention); A01K67/027 C12N15/11 C12N15/87 (Core/Invention); C12N (Subclass/Invention)

CPC: A01K2207/15 A01K2267/0318 A01K2267/0368 A01K2217/075 A01K2227/103 A01K2227/107 A01K2227/108 A01K2227/706 A01K2267/02 A01K2217/052 A01K2267/0375 A01K2267/0356 A01K2267/035 A01K2267/0343 A01K2267/0331 A01K2267/0387 A01K2267/0312 A01K67/0335 A01K2227/703 A01K2217/05 A01K2227/101 A01K2267/0306 A01K67/0276 A01K67/0278 A01K2217/054 A01K2217/15 A01K2227/10 A01K2267/0393 C07K2319/00 C12N15/8509 C12N2800/80 C12N15/87 C12N5/10 C12N15/1024 C12N2015/8527 C12N5/16 C12N15/11 C12N2015/8536 C12N15/63 C12N5/06 C12N15/67 C12N15/70 C12N15/75 C12N9/22 A01K67/0275 A01K2207/05 A01K2217/07 A01K2227/105 A01K2267/03 A61K38/00 C07K2319/81 C12N15/102 C07K19/00 A01K67/027 C07K14/47 C12N15/09 C12N15/62 C07K14/4705 C07K2319/60 C07K2319/70 C07K2319/72 C12N15/907 C12N2799/027 G01N33/5035 G01N33/5041 G01N33/582

European: A01K67/027M A01K67/027M2 A01K67/027M4 A01K67/033M20 C07K14/47A1B C12N15/85A C12N9/22 K01K207/15 K01K217/05 K01K217/05A K01K217/05B K01K217/05B2 K01K217/07B K01K217/15 K01K227/10 K01K227/10B K01K227/10E K01K227/10M K01K227/10R K01K227/10S K01K227/70C K01K227/70D K01K267/02 K01K267/03 K01K267/03A K01K267/03A3 K01K267/03A4 K01K267/03C K01K267/03D2 K01K267/03K K01K267/03K1 K01K267/03K3 K01K267/03K4 K01K267/03K6 K01K267/03R K61K38/00 M07K319/00 M07K319/00E M07K319/60 M07K319/70 M07K319/72 M07K319/81 M12N799/02A67 M12N800/80 **US:** 1/1 424/9.1 424/9.100S 424/9.2 424/9.200S 424/94.3 424/94.300S 424/94.4 424/94.400S 435/188 435/188S 435/196 435/196S 435/235.1 435/29 435/29S 435/325 435/325S 435/348 435/348S 435/349 435/349S 435/350 435/350S 435/351 435/351S 435/352 435/352S 435/353 435/353S 435/354 435/354S 435/358 435/363 435/363S 435/366 435/366S 435/371 435/441 435/441S 435/455 435/455S 435/462 435/463 435/463S 435/69.1 514/44.00RS 514/44R 530/350 536/23.1 536/23.100S 536/23.2 536/23.200S 536/23.4 536/23.5 536/23.500S 800/13 800/13P 800/13S 800/14 800/14P 800/14S 800/15 800/15P 800/15S 800/16 800/16P 800/16S 800/17 800/17P 800/17S 800/18 800/18S 800/21 800/21P 800/24 800/24S 800/3 800/3P 800/8 800/8S 800/9 800/9S



Family:

Publication number	Publication date	Application number	Application date
AU2009322964 AA	20100610	AU20090322964	20091203
AU2009322964 BB	20141009	AU20090322964	20091203
AU2010275432 AA	20110127	AU20100275432	20100723
BR112012026294 A2	20170523	BR20121126294	20110413
BR112012026379 A2	20150922	BR20121126379	20110413
CA2745031 AA	20110527	CA20092745031	20091203
CA2745031 C	20180814	CA20092745031	20091203
CA2767377 AA	20110127	CA20102767377	20100723
CA2795636 AA	20111020	CA20112795636	20110413
CA2795636 C	20180731	CA20112795636	20110413
CA2795643 AA	20111020	CA20112795643	20110413
CA2795643 C	20180717	CA20112795643	20110413
CA2796600 AA	20121016	CA20112796600	20110425
CA2796600 C	20190813	CA20112796600	20110425
CN102625655 A	20120801	CN200980154833	20091203
CN102625655 B	20160706	CN200980154833	20091203
CN102858985 A	20130102	CN201080042058	20100723
CN102939377 A	20130220	CN201180020934	20110425
CN102939377 B	20160608	CN201180020934	20110425
CN102959078 A	20130306	CN201180029129	20110413
CN102959078 B	20160120	CN201180029129	20110413
CN102971421 A	20130313	CN201180029160	20110413
CN107805278 A	20180316	CN201711044283	20110413
DE602009052049 D1	20180524	DE200960052049T	20091203
DE602011014861 D1	20150430	DE201160014861T	20110413
DE602011022082 D1	20160128	DE201160022082T	20110413
DE602011032732 D1	20170105	DE201160032732T	20110425
DK2558575 T3	20160321	DK20110769489T	20110413
EP2352369 A1	20110810	EP20090830727	20091203
EP2352369 A4	20120502	EP20090830727	20091203
EP2352369 B1	20170426	EP20090830727	20091203
EP2456877 A1	20120530	EP20100803004	20100723
EP2456877 A4	20120530	EP20100803004	20100723
EP2558574 A1	20130220	EP20110769488	20110413
EP2558574 A4	20131030	EP20110769488	20110413
EP2558574 B1	20150318	EP20110769488	20110413
EP2558575 A1	20130220	EP20110769489	20110413
EP2558575 A4	20131030	EP20110769489	20110413
EP2558575 B1	20151216	EP20110769489	20110413
EP2563918 A1	20130306	EP20110777679	20110425
EP2563918 A4	20131016	EP20110777679	20110425
EP2563918 B1	20161123	EP20110777679	20110425

EP3156494 A1	20170419	EP20160200237	20091203
EP3156494 B1	20180425	EP20160200237	20091203
EP3156494 B8	20180919	EP20160200237	20091203
ES2565216 T3	20160401	ES20110769489T	20110413
ES2627552 T3	20170728	ES20090830727T	20091203
HK1158448 A1	20120720	HK20110113084	20111202
HK1158448 A3	20120720	HK20110113084	20111202
HK1182130 A1	20131122	HK20130109374	20130809
HK1182130 B	20170908	HK20130109374	20130809
IL217409 A0	20120229	IL20100217409	20100723
IN00779CN2012 A	20140418	IN2012CN00779	20120123
IN03022KN2012 A	20140221	IN2012KN03022	20121008
IN03023KN2012 A	20130621	IN2012KN03023	20121008
IN03097KN2012 A	20130628	IN2012KN03097	20121012
IN05124DN2011 A	20130201	IN2011DN05124	20110704
JP2012510812 T2	20120517	JP20110539509T	20091203
JP2013500018 T2	20130107	JP20120521867T	20100723
JP2013523180 T2	20130617	JP20130505077T	20110413
JP2013523181 T2	20130617	JP20130505078T	20110413
JP2013526857 T2	20130627	JP20130507944T	20110425
JP2016138104 A2	20160804	JP20160020571	20160205
JP5681114 B2	20150304	JP20110539509T	20091203
JP5841996 B2	20160113	JP20130505077T	20110413
JP5841997 B2	20160113	JP20130505078T	20110413
JP5952263 B2	20160713	JP20130507944T	20110425
KR101803737 B1	20171201	KR20117015171	20091203
KR101880536 B1	20180723	KR20127027879	20110425
KR20110101175 A	20110915	KR20117015171	20091203
KR20120097483 A	20120904	KR20127004819	20100723
KR20130054955 A	20130527	KR20127028946	20110413
KR20130055588 A	20130528	KR20127028401	20110413
KR20130073879 A	20130703	KR20127027879	20110425
SG172760 A1	20110829	SG20110040789	20091203
SG177711 A1	20120228	SG20120004131	20100723
SG185367 A1	20121228	SG20120078648	20110425
US2010218264 AA	20100826	US20090592852	20091203
US2011016539 AA	20110120	US20100842620	20100723
US2011016540 AA	20110120	US20100842708	20100723
US2011016541 AA	20110120	US20100842719	20100723
US2011016542 AA	20110120	US20100842839	20100723
US2011016543 AA	20110120	US20100842999	20100723
US2011016546 AA	20110120	US20100842893	20100723
US2011023139 AA	20110127	US20100842198	20100723
US2011023140 AA	20110127	US20100842208	20100723
US2011023141 AA	20110127	US20100842217	20100723
US2011023143 AA	20110127	US20100842578	20100723
US2011023144 AA	20110127	US20100842666	20100723
US2011023145 AA	20110127	US20100842678	20100723
US2011023146 AA	20110127	US20100842694	20100723
US2011023147 AA	20110127	US20100842713	20100723
US2011023148 AA	20110127	US20100842897	20100723
US2011023149 AA	20110127	US20100842978	20100723
US2011023150 AA	20110127	US20100842980	20100723
US2011023151 AA	20110127	US20100842982	20100723
US2011023152 AA	20110127	US20100842991	20100723
US2011023153 AA	20110127	US20100842993	20100723
US2011023154 AA	20110127	US20100842269	20100723
US2011023156 AA	20110127	US20100842219	20100723
US2011023157 AA	20110127	US20100842886	20100723
US2011023158 AA	20110127	US20100842188	20100723
US2011023159 AA	20110127	US20100842204	20100723
US2011030072 AA	20110203	US20100842994	20100723
US2011265198 AA	20111027	US20110066801	20110425
US2012017290 AA	20120119	US20110066802	20110425
US2012030778 AA	20120202	US20110191901	20110727
US2012159653 AA	20120621	US20100842976	20100723
US2012159654 AA	20120621	US20100843000	20100723
US2012192298 AA	20120726	US20100386394	20100723
US2013059362 AA	20130307	US20110641050	20110413
US2013059388 AA	20130307	US20110641023	20110413
US2013065310 AA	20130314	US20110641036	20110413
US2016068865 AA	20160310	US20150946224	20151119
US2018105564 AA	20180419	US20170609983	20170531
US2018134759 AA	20180517	US20170654419	20170719
US2019062789 A9	20190228	US20150946224	20151119
US8771985 BB	20140708	US20110066802	20110425
US9206404 BB	20151208	US20090592852	20091203
US9567573 BB	20170214	US20110066801	20110425
WO10065123 A1	20100610	WO2009US06365	20091203
WO11011767 A1	20110127	WO2010US43167	20100723
WO11130343 A1	20111020	WO2011US32214	20110413

WO11130345 A1	20111020	WO2011US32216	20110413
WO11130346 A1	20111020	WO2011US32218	20110413
WO11139335 A1	20111110	WO2011US00725	20110425
WO11139336 A1	20111110	WO2011US00726	20110425

Priority:

US20080200985P	20081204	US20090205970P	20090126	US20090228419P	20090724
US20090232620P	20090810	US20090245877P	20090925	US20090263696P	20091123
US20090263904P	20091124	EP20090830727	20091203	EP20160200237	20091203
US20090592852	20091203	WO2009US06365	20091203	US20100336000P	20100114
US20100308089P	20100225	US20100309729P	20100302	US20100323698P	20100413
US20100323719P	20100413	US20100323702P	20100413	US20100343287P	20100426
US20100842198	20100723	US20100842188	20100723	US201003386394	20100723
US20100367017P	20100723	US20100842708	20100723	US20100842719	20100723
US20100842839	20100723	US20100842999	20100723	US20100842893	20100723
US20100842620	20100723	US20100842217	20100723	US20100842219	20100723
US20100842269	20100723	US20100842208	20100723	US20100842204	20100723
US20100842713	20100723	US20100842694	20100723	US20100842678	20100723
US20100842666	20100723	US20100842578	20100723	US20100842897	20100723
US20100842886	20100723	US20100842980	20100723	US20100842978	20100723
US20100842976	20100723	US20100842982	20100723	US20100842994	20100723
US20100842993	20100723	US20100842991	20100723	US20100843000	20100723
WO2010US43167	20100723	US20100390668P	20101007	US20100408856P	20101101
US20100480856P	20101101	US20110431957P	20110112	CN201180029160	20110413
EP20110769489	20110413	EP20110769488	20110413	US20110641023	20110413
US20110641036	20110413	WO2011US32216	20110413	WO2011US32218	20110413
US20110641050	20110413	WO2011US32214	20110413	EP20110777679	20110425
JP20130507944T	20110425	US20110066801	20110425	US20110066802	20110425
WO2011US00725	20110425	US20110191901	20110727	US20120641036	20121119
US20120641023	20121119	US20150946224	20151119	JP20160020571	20160205
US20170609983	20170531	US20170654419	20170719		

Probable Assignee: SIGMA ALDRICH CO LLC

Assignee(s): (std): CUI XIAOXIA ; DAVIS GREG ; GEURTS ARON M ; FETTER JOHN ; GREGORY PHILIP D ; DAVIS GREGORY ; SANGAMO BIOSCIENCES INC ; MALKOV DMITRY ; HOLMES MICHAEL C ; SIGMA ALDRICH COMPANY ; URNOV FYODOR ; SIGMA ALDRICH CO ; SIMMONS PHIL ; SONG KEMING ; SIGMA ALDRICH CO LLC ; SIGMA ALDVICH CO LLC ; WEINSTEIN EDWARD ; ZENSER NATHAN ; ZHANG FAN ; VASSAR DEBORAH ; ZHANG HONGYI ; WEINSTEIN EDWARD J ; SANAGAMO BIOSCIENCES INC ; SANGAMO THERAPEUTICS INC

Assignee(s): SANGAMO BIOSCIENCES INC RICHMOND ; SIGMA ALDRICH CO LLC ST LOUIS ; SANGAMO THERAPEUTICS INC RICHMOND ; SIGMA ALDRICH CO ST LOUIS ; SIGMA ALDRICH CO NEWCO INC ; SIGMA-ALDRICH CO. LLC ; SANGARNO BIOSCIENCES INC

Inventor(s): (std): BEDELL JOSEPH ; CUI XIAOXIA ; BUNTAINE BRIAN ; DAVIS GREG ; DAVIS GREGORY ; FETTER JOHN ; GEURTS ARON M ; MILLER SHONDRA ; FYODOR URNOV ; MALKOV DMITRY ; GREGORY PHILIP D ; HOLMES MICHAEL C ; DMITRY MALKOV ; EDWARD J WEINSTEIN ; MICHAEL C HOLMES ; GREGORY DAVIS ; GREG DAVIS ; URNOV FYODOR ; WEINSTEIN EDWARD ; SIMMONS PHIL ; XIAOXIA CUI ; ZENSER NATHAN ; ZHANG FAN ; VASSAR DEBORAH ; ZHANG HONGYI ; SONG KEMING ; WEINSTEIN EDWARD J ; NATHAN ZENSER ; PHILIP D GREGORY

Inventor(s): WEINSTEIN EDWARD J ST LOUIS ; URNOV FYODOR RICHMOND ; ARON M GEURTS ; ZENSER NATHAN ST LOUIS ; GREGORY PHILIP D RICHMOND ; HOLMES MICHAEL C RICHMOND ; GEURTS ARON M NEW BERLIN ; DAVIS GREGORY ST LOUIS ; DAVIS GREG ST LOUIS ; GREGORY PHILIP ; HOLMES MICHAEL ; HONGYI ZHANG ; MALKOV DMITRY ST LOUIS ; FAN ZHANG ; DEBORAH VASSAR ; CUI XIAOXIA ST LOUIS

Agent(s): WRAYS ; PIZZEYS ; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD ; KIRBY EADES GALE BAKER ; GOWLING LAFLEUR HENDERSON LLP ; GOWLING WLG CANADA LLP ; WEICKMANN AND WEICKMANN PATENT U RECHTSANWAELTE PARTMBB ; LANG AND TOMERIUS PATENTANWALTSPARTNERSCHAFT MBB ; HEUBECK CHRISTIAN ; WEICKMANN AND WEICKMANN PARTMBB ; TURNER RHIANNON ROSALIND ; WEISS WOLFGANG ; ZEA BERNABE ; LEHMANN MARIA ISABEL ; NTD PATENT AND TRADE MARK AGENCY LTD ; SHANGHAI INTELLECTUAL PROPERTY OFFICE ; KOGA TETSUJI ; AOKI ATSUSHI ; FUKUMOTO TSUMORU ; ISHIDA TAKASHI ; YAMAZAKI HIROSHI ; TANAKA MITSUO ; TOMITA KENJI ; ROBINS AND PASTERNAK ; POLSINELLI SHUGHART PC ; SUSAN ; PASTERNAK PATENT LAW ; DAHNA S ; PASTERNAK DAHNA S ET AL ; DOTY KATHRYN ET AL ; BISSEN SHIRLEY T ET AL

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 LI 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 RO RS RU 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

77) Family number: 30479779 (US2001029618A)

© PatBase

Title: Transgenic maize with increased mannitol content

Abstract: The present invention provides a method for conferring tolerance or resistance to water or salt stress in a monocot plant, and/or altering the osmoprotectant content of a monocot plant, by introducing a preselected DNA segment into the plant. This invention also relates to the transformed cells and seeds, and to the fertile plants grown from the transformed cells and to their pollen.

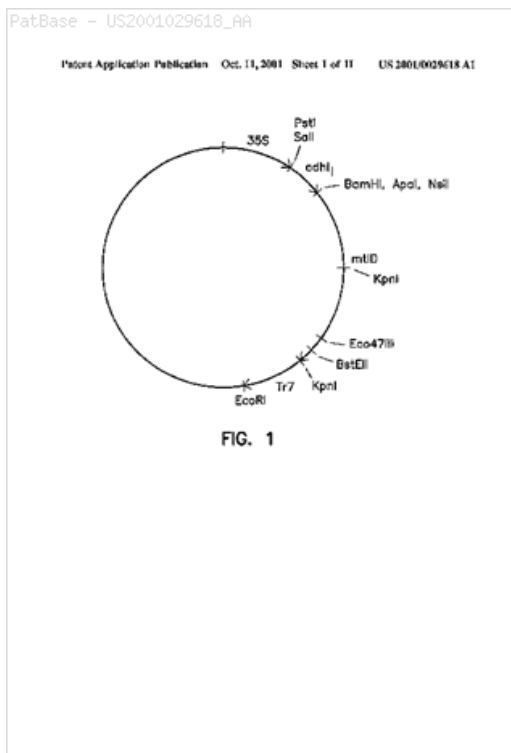
Classifications:

International (IPC 8-9): A01H1/00 A01H4/00 A01H5/00 A01H5/10 C07H21/04 C07K14/41 C07K14/415 C12N1/20 C12N15/05 C12N15/09 C12N15/11 C12N15/29 C12N15/52 C12N15/53 C12N15/60 C12N15/64 C12N15/66 C12N15/82 C12N15/87 C12N5/00 C12N5/04 C12N5/10 C12N9/04 C12N9/88 (Advanced/Invention); A01H1/00 A01H5/00 C12N15/09 C12N15/29 C12N15/53 C12N15/60 C12N5/10 C12P13/22 C12P7/64 C12R1/91 (Advanced/Non-invention); C07K14/41 C12N15/82 C12N5/10 (Core/Invention)

International (IPC 1-7): A01H1/00 A01H1/06 A01H4/00 A01H5/00 A01H5/10 A01N31/02 C07H21/04 C12N1/14 C12N1/20 C12N13/00 C12N15/00 C12N15/05 C12N15/09 C12N15/11 C12N15/29 C12N15/52 C12N15/53 C12N15/60 C12N15/64 C12N15/82 C12N15/87 C12N5/00 C12N5/00 C12N5/04 C12N5/10 C12N9/04 C12N9/10 C12N9/88 C12P13/22

CPC: C12N15/8216 C12N15/8251 C12N15/8254 Y10S47/01

A01H4/008 A01H4/00 A01H4/001 C07K14/415 C12N5/0025
C12N5/04 C12N15/8207 C12N15/87 C12N9/0006 C12N9/88
C12N15/8209 C12N15/8241 C12N15/8245 C12N15/8273
European: A01H4/00 A01H4/00B A01H4/00E C07K14/415
C12N15/82A6D C12N15/82A8 C12N15/82B C12N15/82C
C12N15/82C4B10 C12N15/82C4B10B C12N15/82C4B2
C12N15/82C8B2 C12N15/87 C12N5/00M1 C12N5/04 C12N9/00P2
C12N9/88 M07K207/00 M12N207/00 M12N209/00
US: 435/108 435/108S 435/172.1 435/172.3 435/183 435/189
435/193 435/193P 435/232 435/240.4 435/240.45 435/240.5
435/252.3 435/287 435/320.1 435/320.100S 435/410 435/412
435/412S 435/413 435/419 435/419S 435/424 435/468 435/468S
47/58 47/DIG.1 536/23.2 536/23.200S 536/23.6 536/23.7 536/24.1
536/27.1 800/205 800/235 800/250 800/260 800/265 800/266
800/267 800/268 800/275 800/278 800/278P 800/279 800/279S
800/281 800/284 800/287 800/288 800/291 800/292 800/293
800/295 800/298 800/300 800/300.1 800/301 800/302 800/303
800/312 800/312S 800/320 800/320.1 800/320.100S 800/320.2
800/320.200S 800/320.3 800/320.300S 800/320S 800/DIG.52
800/DIG.55 800/DIG.56 800/DIG.58 935/52 935/55 935/67 935/85



Family:

Publication number	Publication date	Application number	Application date
AR005664 AA	19990714	AR1997P100213	19970120
AR005665 AA	19990714	AR1997P100214	19970120
AR011462 AB	20000816	AR1998P101552	19980406
AR059315 AB	20080326	AR2007P100465	20070205
AR059316 AB	20080326	AR2007P100466	20070205
AT160174 E	19971115	AT19900912722T	19900808
AU199062903 A1	19910311	AU19900062903	19900808
AU199477169 A1	19950321	AU19940077169	19940824
AU199717065 A1	19970811	AU19970017065	19970117
AU199717066 A1	19970811	AU19970017066	19970117
AU199856404 A1	19980604	AU19980056404	19980302
AU644097 B2	19931202	AU19900062903	19900808
AU684105 B2	19971204	AU19940077169	19940824
AU712874 B2	19991118	AU19980056404	19980302
AU724987 B2	20001005	AU19970017066	19970117
BRPI9007588 A	19920630	BR1990PI07588	19900808
BRPI9407355 A	19970819	BR1994PI07355	19940824
BRPI9707017 A	19990720	BR1997PI07017	19970117
BRPI9707055 A	19990720	BR1997PI07055	19970117
CA2064761 AA	19920131	CA19902064761	19900808
CA2064761 C	20060613	CA19902064761	19900808
CA2170260 AA	19960223	CA19942170260	19940824
CA2243268 AA	19980716	CA19972243268	19970117
CA2243269 AA	19980716	CA19972243269	19970117
DE69031711 D1	19971218	DE19906031711	19900808
DE69031711 T2	19980409	DE19906031711T	19900808
EP0485506 A1	19920520	EP19900912722	19900808
EP0485506 B1	19971112	EP19900912722	19900808
EP0721509 A1	19960717	EP19940927962	19940824
EP0814166 A2	19971229	EP19970108223	19900808
EP0814166 A3	19980513	EP19970108223	19900808
EP0879292 A1	19981125	EP19970903052	19970117
EP0889967 A2	19990113	EP19970903051	19970117
EP2107118 A1	20091007	EP20090164563	19940824
ES2110417 T3	19980216	ES19900912722T	19900808
HU218465 B	20000928	HU19920000394	19900808
HU60781 A2	19921028	HU19920000394	19900808
HU74392 A2	19961230	HU19960000425	19940824
HU9200394 A0	19920428	HU19920000394	19900808
HU9600425 A0	19960429	HU19960000425	19940824
HU9900387 AB	19990528	HU19990000387	19970117
HU9900387 AC	20010228	HU19990000387	19970117
HU9900514 AB	19990528	HU19990000514	19970117
HU9900514 AC	20010628	HU19990000514	19970117
IL110781 A0	19941111	IL19940110781	19940825
IL125070 A0	19990126	IL19970125070	19970117
IL125304 A0	19990312	IL19970125304	19970117
JP2000503541 T2	20000328	JP19970526289T	19970117

JP5501352 T2	18830118	JP19000512238T	18880989
US2001029618 AA	20010111	US20000732439	20001207
US2002061570 AA	20020523	US20000733300	20001208
US2003126634 AA	20030703	US20020171498	20020613
US2003167514 AA	20030904	US20030353726	20030129
US2006168680 AA	20060727	US20050196176	20050803
US5489520 A	19960206	US19940233067	19940426
US5550318 A	19960827	US19900565844	19900809
US5780709 A	19980714	US19960594861	19960119
US5874265 A	19990223	US19950446931	19950523
US5919675 A	19990706	US19950446933	19950523
US5969213 A	19991019	US19950446930	19950523
US6118047 A	20000912	US19960604789	19960119
US6271016 BA	20010807	US19990312721	19990517
US6281411 BA	20010828	US19960599714	19960119
US6395966 BA	20020528	US19940357497	19941216
US6399861 BA	20020604	US19950447985	19950523
US6515201 BB	20030204	US20000733300	20001208
US6803499 BA	20041012	US19970852340	19970507
US7288403 BB	20071030	US20050196176	20050803
US7705215 BA	20100427	US19930113561	19930825
WO9102071 A2	19910221	WO1990US04462	19900808
WO9102071 A3	19920514	WO1990US04462	19900808
WO9506128 A2	19950302	WO1994US09699	19940824
WO9506128 A3	19950914	WO1994US09699	19940824
WO9726365 A2	19970724	WO1997US00978	19970117
WO9726365 A3	19970912	WO1997US00978	19970117
WO9726366 A1	19970724	WO1997US00983	19970117
ZA9406488 A	19951130	ZA19940006488	19940825
ZA9604217 A	19960826	ZA19960004217	19940825
ZA9700398 A	19981019	ZA19970000398	19970117
ZA9700399 A	19980406	ZA19970000399	19970117

Priority:

US19890392176	19890809	US19900513298	19900417	EP19900912722	19900808
WO1990US04462	19900808	US19900565844	19900809	US19930113561	19930825
US19940233067	19940426	AU19940077169	19940824	EP19940927962	19940824
WO1994US09699	19940824	US19940357497	19941216	US19950446930	19950523
US19950446931	19950523	US19950447985	19950523	US19950446933	19950523
US19960599714	19960119	US19960594861	19960119	US19960604789	19960119
WO1997US00983	19970117	WO1997US00978	19970117	US19970852340	19970507
AU19980056404	19980302	US19980062405	19980420	US19990312721	19990517
US20000732439	20001207	US20000097333	20001208	US20000733300	20001208
US20020171498	20020613	US20030353726	20030129	US20050196176	20050803

Probable Assignee: MONSANTO TECHNOLOGY LLC

Assignee(s): (std): CHOMET PAUL S ; DAINES RICHARD J ; DEKALB GENETICS CORP ; DEKALB PLANT GENETICS ; GORDON KAMM WILLIAM ; DEKALB GENETIC CORP ; DEKALB PLANT GENETICS US ; ADAMS THOMAS R ; ANDERSON PAUL C ; DEKALB GENETICS CORP DEKALB ; DEKALAB GENETICS CORP ; GRIFFOR MATTHEW C ; KRIZ ALAN L ; KAUSCH ALBERT P ; MANN MICHAEL T ; ORR PETER M ; WARNER DAVID C

Assignee(s): MONSANTO TECHNOLOGY LLC ; LEMAUX PEGGY G ; KRUEGER ROGER W ; RICE THOMAS B ; SPENCER T MICHAEL ; MANGANO MARY L ; WILLETTS NANCY ; MACKEY CATHERINE J ; START WILLIAM G ; O BRIEN JAMES V ; STEPHENS MICHAEL A ; OROZCO EMIL M JR ; DEKALB GENETICS CORP DEKALB ILL US ; GORDON KAMM WILLIAM J ; CHAMBERS SHERYL A ; ADAMS WHITNEY R JR ; DEKALB GENETICS COPORATION ; DEKALB GENETICS DEKALB ILLINOIS CORP

Inventor(s): (std): SHERYL A CHAMBERS ; DAVID C WARNER ; ALAN L KRIZ ; WILLIAM J GORDON KAMM ; NANCY WILLETTS ; EMIL M J R OROZCO ; WILLIAM GORDON KAMM ; JRADAMS WHITNEY R ; T MICHAEL SPENCER ; WHITNEY R ADAMS JR ; PAUL C ANDERSON ; THOMAS R DAMS ; JAMES V O BRIEN ; ROGER W KRUEGER ; WILLIAM G START ; MICHAEL A STEPHENS ; PETER M ORR ; MATTHEW C GRIFFOR ; MICHAEL T MANN ; PAUL S CHOMET ; WILLETTS NANCY US ; ALBERT P KAUSCH ; THOMAS R ADAMS ; WILLIAM J GORDON KAMME ; THOMAS B RICE ; RICHARD J DAINES ; EMIL M OROZCO JR ; PEGGY G LEMAUX ; CATHERINE J MACKEY ; MARY L MANGANO ; SPENCER T ; KRUEGER ROGER ; O BRIEN JAMES ; RICE THOMAS ; CHAMBERS SHERYL ; GORDON KAMME WILLIAM J ; OROZCO EMIL M J R ; WALTERS DONALD S ; WALTERS DAVID A ; ORR PETER ; FLICK CHRISTOPHER E ; MUMM RITA HOGAN ; WARNER DAVID C ; MANN MICHAEL T ; GORDON KAMM WILLIAM ; MANGANO MAY L ; WILLETTS NANCY G ; SPENCER MICHAEL T ; O BRIAN JAMES V ; ADAMS WHITNEY R ; OROZCO EMIL M ; WILLETTS NANCY ; START WILLIAM G ; SPENCER T MICHAEL ; RICE THOMAS B ; O BRIEN JAMES V ; MANGANO MARY L ; MACKEY CATHERINE J ; LEMAUX PEGGY G ; KRUEGER ROGER W ; KAUSCH ALBERT P ; GORDON KAMM WILLIAM J ; DAINES RICHARD J ; CHAMBERS SHERYL A ; ADAMS WHITNEY R JR ; ADAMS THOMAS R ; STEPHENS MICHAEL A ; ORR PETER M ; OROZCO EMIL M JR ; KRIZ ALAN L ; GRIFFOR MATTHEW C ; CHOMET PAUL S ; ANDERSON PAUL C ; ADAMS WHITNEY RJR ; ZACHWIEJA SUSAN J ; GLASSMAN KIMBERLY ; LACCETTI LUCILLE B ; VETSCH CLAYTON S ; MANGANO MARY LOU ; GRIFFORD MATTHEW C ; GRIFFOR NETTHEW C ; DAMS THOMAS R ; MACKEY KATHERINE J ; LEMAUX PEGGY ; ADAMS THOMAS ; ADAMS WHITNEY ; MACKEY CATHERINE ; DAINES RICHARD ; MANGANO MARY ; START WILLIAM ; KAUSCH ALBERT

Inventor(s): WILLETTS NANCY NIANTIC CT 06357 US ; O BRIEN JAMES V MYSTIC CT 06355 US ; JR ADAMS WHITNEY R ; NETTHEW C GRIFFOR ; O'BRIEN JAMES V ; O BRIAN JAMES V US ; EMIL M OROZCO ; GRIFFOR MATTHEW ; KRIZ ALAN ; CHOMET PAUL ; ANDERSON PAUL

Agent(s): DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY LTD ; PHILLIPS ORMONDE FITZPATRICK ; BERESKIN AND PARR LLP SENCRL SRL ; GOWLING LAFLEUR HENDERSON LLP ; HELBING JOERG ; MONSANTO COMPANY ; MONSANTO CO ; SONNENSCHN NATH AND ROSENTHAL LLP ; BYRON V

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SU SZ TD TG TJ TM TR TT UA UG US UZ VN

Title: PORTABLE INSECT CAPTURING APPARATUS

Abstract: A portable insect capturing apparatus is provided wherein the apparatus comprises a housing constructed of an opaque material and having an entrance and an internal cavity; an ultraviolet (UV) light source for attracting insects, the light source being situated within the internal cavity of the housing wherein the light emitted by the light source is visible to the insects from the entrance; a motor and at least one suction pump for creating a suction within the internal cavity of the housing; a power source; and a compartment for holding the captured insects.

Classifications:

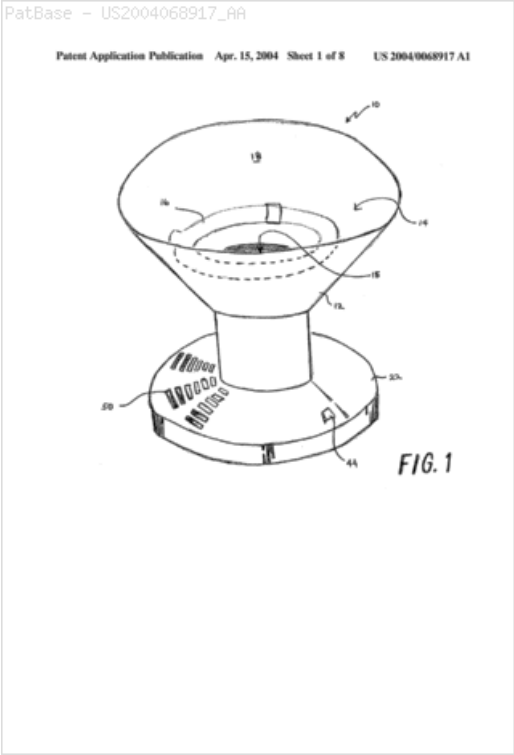
International (IPC 8-9): A01M1/08 (Advanced/Invention); A01M1/08 (Core/Invention)

International (IPC 1-7): A01M1/04 A01M1/08

CPC: A01M1/08 A01M2200/012

European: A01M1/08 K01M200/012 K01M201/02

US: 43/113



Family:

Publication number	Publication date	Application number	Application date
US2004068917 AA	20040415	US20020267125	20021010

Priority:

US20020267125 20021010

Probable Assignee: SOLID IND OF AMERICA

Assignee(s): (std): CHAN CHI T

Assignee(s): SOLID IND ; SOLID IND (INTERNATIONAL) LTD ; SOLID IND INTERNATIONAL LTD ; SOLID IND OF AMERICA

Inventor(s): (std): CHAN CHI T

79) Family number: 51719805 (US8240082B)

© PatBase

Title: CHECK VALVE FOR INSECT TRAPS

Abstract: An insect trap having a cylindrical tubular body with a top end and a bottom end and an oval flexible flapper removably mounted in regions adjacent the bottom end whereby the peripheral edge of the flapper is in contact with the inside surface of the body for the condition of no air blowing down the body and the peripheral edge of the flapper spaced from the inside surface of the body for the condition of air blowing down the body.

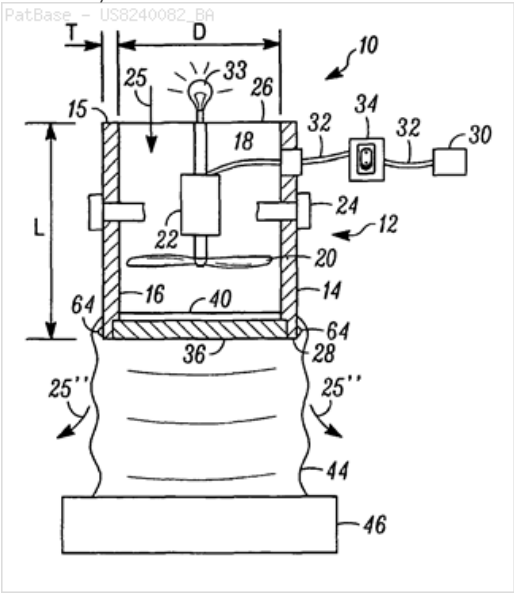
Classifications:

International (IPC 8-9): A01M1/06 A01M1/08 (Advanced/Invention)

CPC: A01M1/08

European: A01M1/08

US: 43/113 43/132.1 43/138 43/139



Family:

Publication number	Publication date	Application number	Application date
US8240082 BA	20120814	US20100661831	20100325

Priority:

US20100661831 20100325

Probable Assignee:

FALL KENNETH G

Assignee(s): (std):

FALL KENNETH G

Inventor(s): (std):

FALL KENNETH G

Agent(s):

DON

80) Family number: 50431807 (US2012000932A)

© PatBase

Title: COMPACT SPRAY DEVICE

Abstract: An automatic discharge device includes a housing having a top portion and a base portion, wherein surfaces defining a recess are provided therebetween for securely holding a container. At least one gear is disposed substantially between the recess and a rear panel of the housing. A drive motor is in association with the at least one gear. An actuator arm is also provided. Activation of the drive motor and the at least one gear provides for movement of the actuator arm between at least one of a pre-actuation position and a discharge position along a path that is substantially parallel to a longitudinal axis of the container.

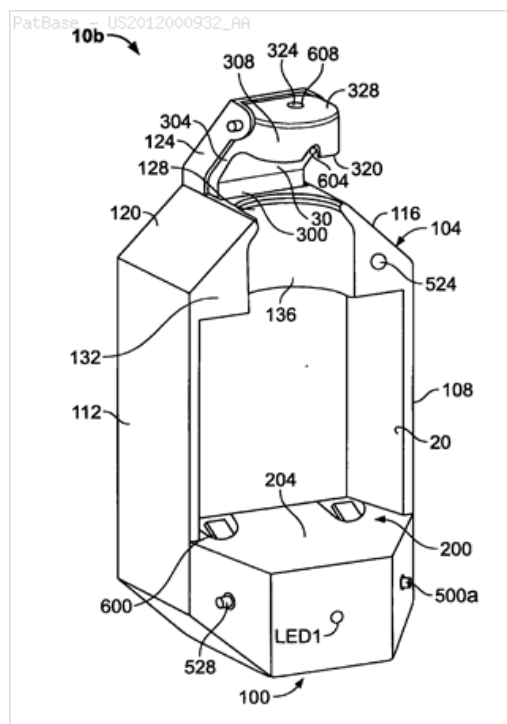
Classifications:

International (IPC 8-9): A01G27/00 B67D1/00 B67D3/00 B67D7/08 G04C1/12 G04C23/42 (Advanced/Invention)

CPC: A61L9/14 B05B11/3053 B05B12/02 B05B12/12 B05B12/122 B65D83/262 B65D83/267

European: A61L9/14 B05B12/02 B05B12/12B B65D83/26B L05B11/30H3B

US: 222/504 222/504S 222/52 222/52P 222/644 222/646 222/647 222/649 222/649S 239/337 239/70

**Family:**

Publication number	Publication date	Application number	Application date
US2012000932 AA	20120105	US20110235192	20110916
US8342363 BB	20130101	US20110235192	20110916

Priority:

US20040617950P 20041012

US20050247793 20051011

US20070725402 20070319

US20110235192 20110916

Probable Assignee: JOHNSON AND SON INC S C

Assignee(s): (std): CARPENTER M SCOTT ; FURNER PAUL E ; GASPER THOMAS P ; JOHNSON AND SON INC S C ; KUBICEK CHRIS A ; NELSON CORY J ; MADSEN BRENT D ; LEMON LEON M ; SHORT MICHAEL E ; MICHAELS KENNETH W ; WESTPHAL NATHAN R ; SIPINSKI GENE

Assignee(s): SC JOHNSON AND SON INC ; S C JOHNSON AND SON INC

Inventor(s): (std): CARPENTER M SCOTT ; FURNER PAUL E ; GASPER THOMAS P ; KUBICEK CHRIS A ; LEMON LEON M ; MADSEN BRENT D ; MICHAELS KENNETH W ; NELSON CORY J ; SHORT MICHAEL E ; SIPINSKI GENE ; WESTPHAL NATHAN R

81) Family number: 69658831 (US2018127192A)

© PatBase

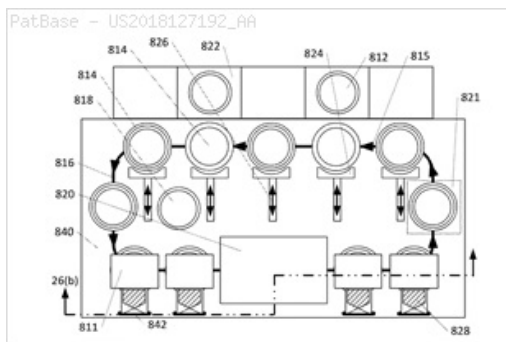
Title: METHODS AND APPARATUS FOR AUTOMATED FOOD PREPARATION

Abstract: Methods and apparatus for automatically preparing food for consumption in which preparation comprises dispensing, manipulation, heating, and other operations using a wide variety of ingredients. The methods and apparatus described use ingredients efficiently and maintain their quality, while avoiding contact between ingredients and apparatus to minimize the risk of system contamination.

Classifications:

International (IPC 8-9): A01K5/02 A47J36/32 B26D7/14 B65B69/00

B65D30/22 B65D33/00 B65D35/28 B65D83/00 (Advanced/Invention)
CPC: B65D83/0055 A47J36/32 B65D83/06 B65D31/12 B65D33/004
 B26D7/14 B65D83/0022 A47J44/00 B65D81/3446 A47J36/321
 B65D75/30 B65D35/28 B65D81/3266 B65D83/00 B65D75/38
 B65D77/04
US: 426/232



Family:

Publication number	Publication date	Application number	Application date
CA3042704 AA	20190502	CA20173042704	20171106
US2018127192 AA	20180510	US20170805074	20171106
US2019125126 AA	20190502	US20180182563	20181106
WO18085796 A1	20180511	WO2017US60253	20171106
WO19090352 A1	20190509	WO2018US59487	20181106

Priority:

US20160417336P 20161104	US20170456008P 20170207	US20170471957P 20170315
US20170522671P 20170620	US20170805074 20171106	WO2017US60253 20171106
US20170588913P 20171120	US20180670043P 20180511	US20180724019P 20180828
US20180182563 20181106		

Probable Assignee: COHEN ADAM

Assignee(s): (std): COHEN ADAM

Assignee(s): INNONOVO LLC

Inventor(s): (std): COHEN ADAM

Agent(s): RIDOUT AND MAYBEE LLP

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

82) Family number: 52673840 (US2013011011A)

© PatBase

Title: INSECT IMAGE RECOGNITION AND INSTANT ACTIVE RESPONSE

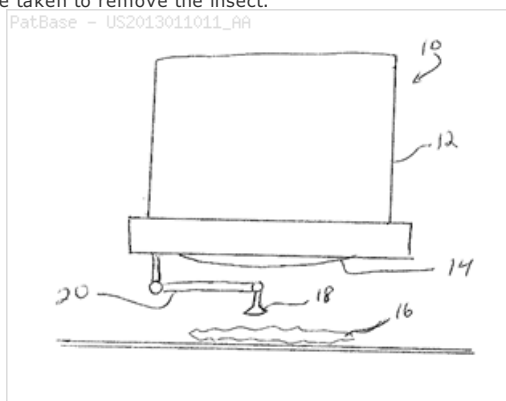
Abstract: A device for detecting insects on substrates such as lettuce and other leaves. The device has a microscope lens which magnifies a portion of the leaf and send an image of the leaf portion to an image recognition system. If the image recognition system detects the presence of an insect-further steps are taken to remove the insect.

Classifications:

International (IPC 8-9): A01H1/02 A01M1/00 A01M1/02 A01M1/06 A01M1/14 A01M1/20 A01M1/22 A01M21/04 A01M3/00 A01M5/02 A01M5/04 A01M7/00 A01M99/00 B25J15/00 B25J15/06 B25J5/00 B25J5/02 B25J9/16 B64C39/02 B64D1/18 B64D47/08 G06K9/00 G06K9/62 G06T3/40 G06T7/00 G06T7/62 G06T7/90 H04N5/225 H04N7/18 (Advanced/Invention)

CPC: A01M1/00 A01M3/00 H04N5/2253 G06K9/6256 B64C39/024 A01H1/025 G06T2207/10032 G06T2207/20081 Y10S901/41 Y10S901/40 B64C2201/027 B64C2201/12 G06T2207/10024 G06T2207/30128 B25J9/1697 A01M5/00 B25J5/00 B25J5/02 B25J9/1612 B25J9/1679 A01M1/026 A01M1/06 A01M1/14 A01M1/2094 A01M1/22 A01M5/04 G06K2209/17 G06T7/0004 G06T2207/10056 Y10S901/01 Y10S901/09 A01M3/005 A01M3/007 A01M5/02 A01M99/00 G06T7/001 A01M1/20 A01M1/226 G06K9/00 G06K9/6267 G06T7/0008 B25J19/023 B25J9/0093 B25J11/0045 B25J15/0019 B25J15/0616 G06K9/0063 G06T7/00 H04N7/18 H04N5/2252 G06T3/40 G06K9/00657 G06K9/6202 A01M7/00 A01M13/00 A01M29/12 A01M29/16 Y02A50/375 A01M21/043 G06T7/0014 G06T7/62 G06T7/90 H04N5/225 H04N5/2257 G06T2207/20084 G06T2207/30088 G06T2207/30212 B64D33/00 G06K9/00664 H04N5/2251 H04N7/185 G06T7/0012 B64D1/18 B64D47/08 B64D7/02 G06K9/00771

US: 1/1 348/135 382/103 382/110



Family:

Publication number	Publication date	Application number	Application date
EP3455827 A1	20190320	EP20170796838	20170511
US2013011011 AA	20130110	US20120542416	20120705
US2015023566 AA	20150122	US20140505430	20141002
US2016260207 AA	20160908	US20160153621	20160512
US2017147907 AA	20170525	US20170425079	20170206
US2017316283 AA	20171102	US20170654390	20170719
US2018075596 AA	20180315	US20170802814	20171103
US2018204320 AA	20180719	US20180919541	20180313
US2018204321 AA	20180719	US20180922565	20180315
US2018240230 AA	20180823	US20180956083	20180418
US2018349745 AA	20181206	US20180100489	20180810
US2019019066 AA	20190117	US20180035919	20180716

US2019096058 AA	20190328	US20180205854	20181130
US2019138856 AA	20190509	US20190238602	20190103
US2019180151 AA	20190613	US20190280539	20190220
US8855374 BB	20141007	US20120542416	20120705
US9053528 BB	20150609	US20140505430	20141002
US9381646 BA	20160705	US20150733044	20150608
US9563945 BB	20170207	US20160153621	20160512
US9811764 BB	20171107	US20170425079	20170206
US9852362 BB	20171226	US20170654390	20170719
US9965850 BB	20180508	US20170802814	20171103
US10026165 BA	20180717	US20180919541	20180313
US10043263 BA	20180807	US20180956083	20180418
US10147177 BB	20181204	US20180922565	20180315
US10185896 BB	20190122	US20180100489	20180810
US10229348 BB	20190312	US20180035919	20180716
US10339426 BB	20190702	US20190238602	20190103
WO17197109 A1	20171116	WO2017US32154	20170511

Priority:

US20110504462P	20110705	US20120542416	20120705	US20140505430	20141002
US20140087049P	20141203	US20150733044	20150608	US20150183591P	20150623
US20160153621	20160512	US20170425079	20170206	WO2017US32154	20170511
US20170654390	20170719	US20170551345P	20170829	US20170802814	20171103
US20180919541	20180313	US20180922565	20180315	US20180956083	20180418
US20180035919	20180716	US20180100489	20180810	US20180205854	20181130
US20190238602	20190103	US20190280539	20190220		

Probable Assignee: FRYSHMAN BERNARD

Assignee(s): (std): FRYSHMAN BERNARD

Inventor(s): (std): FRYSHMAN BERNARD

Agent(s): AVIDITY IP; LEVISOHN BERGER LLP; AMSTER ROTHSTEIN AND EBENSTEIN LLP; BELL AND MANNING LLC; ROTBERG TUVIA

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 JP KE KG KH KM KN KP KR KW KZ LA LC LI 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

83) Family number: 67366846 (US2017311612A)

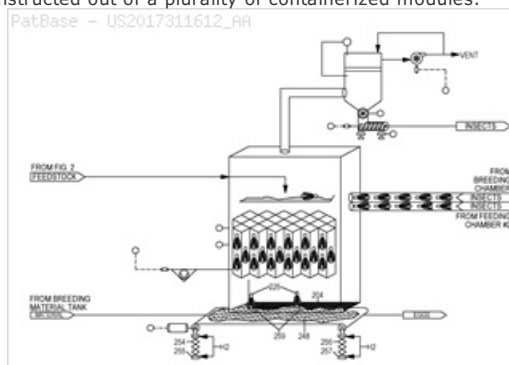
© PatBase

Title: INSECT PRODUCTION SYSTEMS AND METHODS

Abstract: Variable-scale, modular, easily manufacturable, energy efficient, reliable, and computer operated Insect Production Superstructure Systems (IPSS) may be used to produce insects for human and animal consumption, and for the extraction and use of lipids for applications involving medicine, nanotechnology, consumer products, and chemical production with minimal water, feedstock, and environmental impact. An IPSS may comprise modules including feedstock mixing, enhanced feedstock splitting, insect feeding, insect breeding, insect collection, insect grinding, pathogen removal, multifunctional flour mixing, liquid mixing, shaping, cooking, flavoring, biocatalyst mixing, exoskeleton separation, liquid separation, and lipid extraction. An IPSS may be configured to be constructed out of a plurality of containerized modules.

Classifications:

International (IPC 8-9): A01K67/00 A01K67/033 A21D2/00 A21D2/02 A21D2/14 A21D2/18 A21D2/34 A21D2/36 A21D6/00 A23K10/20 A23K20/163 A23K20/174 A23K20/20 A23K50/90 A23L1/16 A23L13/10 A23L13/40 A23L2/46 A23L2/56 A23L2/60 A23N17/00 A23P30/00 B02C23/10 C11C1/10 C12G3/06 (Advanced/Invention)
CPC: A21D2/34 A21D6/00 A01K2227/706 A23P30/00 A23K20/20 A23K20/174 A23K20/163 A23N17/007 C11C1/10 A23K10/20 C12G3/06 A23L2/56 A23L2/46 A23L2/60 A01G22/15 C02F1/28 C02F1/42 C02F1/44 C02F2001/422 C02F2001/425 A01K67/033 A23K50/90 A23V2002/00
US: 119/6.5 426/2



Family:

Publication number	Publication date	Application number	Application date
US2017311612 AA	20171102	US20170651535	20170717
US2017325431 AA	20171116	US20170664490	20170731
US2018049414 AA	20180222	US20160242579	20160821
US2018049417 AA	20180222	US20160257761	20160906
US2018049418 AA	20180222	US20160257854	20160906
US2018070567 AA	20180315	US20170815013	20171116
US2018103679 AA	20180419	US20170841886	20171214
US2018177168 AA	20180628	US20180901546	20180221
US2019085279 AA	20190321	US20180153724	20181006
US2019098926 AA	20190404	US20180207148	20181202
US2019133097 AA	20190509	US20180237028	20181231
US10076104 BB	20180918	US20180901546	20180221
US10188083 BB	20190129	US20160242579	20160821
US10188086 BB	20190129	US20170664490	20170731
US10188087 BB	20190129	US20170815013	20171116
US10212949 BB	20190226	US20170651535	20170717

US10219536 BB	20190305	US20170841886	20171214
US10264768 BB	20190423	US20160257761	20160906
US10264769 BB	20190423	US20160257854	20160906

Priority:

US20160242579 20160821	US20160257761 20160906	US20160257854 20160906
US20170651535 20170717	US20170664490 20170731	US20170815013 20171116
US20170841886 20171214	US20180901546 20180221	US20180153724 20181006
US20180207148 20181202	US20180237028 20181231	

Probable Assignee: INSECTERGY LLC

Assignee(s): (std): INSECTERGY LLC ; LEO DANIEL MICHAEL

Inventor(s): (std): LEO DANIEL MICHAEL

84) Family number: 46783848 (WO04020591A2)

© PatBase

Title: METHODS OF USE FOR NOVEL HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES

Abstract: The invention provides novel polynucleotides, related polypeptides, related nucleic acid and polypeptide compositions, and related modulators, such as antibodies and small molecule modulators. The invention also provides methods to make and use these polynucleotides, polypeptides, related compositions, and modulators. These methods include diagnostic, prophylactic and therapeutic applications. The compositions and methods of the invention are useful in treating proliferative disorders, e.g., cancers, and inflammatory, immune, bacterial, and viral disorders.

Classifications:

International (IPC 8-9): A01N63/00 A61K35/00 A61K38/00 A61K39/395 A61K45/00 A61K48/00 C07H21/02 C07H21/04 C07K1/00 C07K14/00 C07K14/47 C07K16/00 C07K16/18 C12N1/20 C12N1/21 C12N15/00 C12N15/11 C12N15/12 C12N15/62 C12N15/63 C12N15/64 C12N5/00 C12N5/10 C12N5/16 C12P21/04 C12P21/06 C12Q1/68 G01N33/50 G01N33/53 (Advanced/Invention); A61K38/00 A61K48/00 (Advanced/Non-invention); A01N63/00 A61K35/00 A61K38/00 A61K39/395 A61K48/00 C07H21/00 C07K14/00 C07K14/435 C07K16/00 C07K16/18 C12N1/20 C12N1/21 C12N15/00 C12N15/11 C12N15/12 C12N15/62 C12N15/63 C12N15/64 C12N5/00 C12N5/10 C12N5/16 C12P21/04 G01N33/50 G01N33/53 (Core/Invention); A61K38/00 A61K48/00 (Core/Non-invention); A61K C12N C12Q (Subclass/Invention)

International (IPC 1-7): A61K35/00 A61K38/00 A61K39/395 A61K45/00 A61K48/00 C07H21/02 C07H21/04 C07K1/00 C07K14/00 C07K16/00 C12N1/20 C12N1/21 C12N15/00 C12N15/11 C12N15/62 C12N15/63 C12N15/64 C12N5/00 C12N5/10 C12P21/06 C12Q1/68 G01N33/50 G01N33/53

IPC: C07K14/47 A61K38/00 A61K48/00 C07K16/18 A61K35/00 A61K39/395 C07K14/00 C07K16/00 C12N1/00 C12N5/10 C12N15/00 C12N15/11 C12N15/62 C12N15/63 G01N33/53

European: C07K14/47 C07K16/18 K61K38/00 K61K48/00 M07K203/00 M07K203/02 M07K215/00

PatBase - WO05005597_A2

WO 2005005597	PCRESEQUENCE
SEQUENCE LISTING	
<110> INVESDIME THERAPEUTICS, INC.	
<120> NOVEL NOVEL POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF THEIR USE	
<130> 09940.0012-00004	
<140>	
<141>	
<150> 66/488,317	
<151> 2003-07-08	
<150> 69/448,530	
<151> 2003-07-08	
<150> 69/476,431	
<151> 2003-06-09	
<150> 69/476,433	
<151> 2003-06-09	
<160> 104	
<170> PatentIn version 3.2	
<210> 1	
<211> 3045	
<212> DNA	
<213> M16 sequence	
<400> 1	
actgagtgga gacagagga gactggtg tggtaggg ttattatt gacacatt	60
catgacaa agagctgg ggggttag gttattag ttacattt cacttttg	120
tttatccc agagagga gactggac ttatgact aggaagag gactgagt	180
agagagag gaggatgt cttactgg ttgctccc tgggtggt agtggatg	240
cttatgag caagactat agctatag ttgtttcc ccttaggg cttctccc	300
ttgtctct attggaaa taactaac ttgatatg ttgggtat ttacattt	360
agatccct cttatgga attcagtt ttgtcagt gacacaaa tggctgac	420
agagttct attgagga ggggttag attgaata ttgggaga gaggaggt	480
gggtggga agatgaga tggatttg tggaaatt taactact ctatagat	540
tatattgt attttaga agtcaaac agggaaaa gtaattct ttctgggg	600

Family:

Publication number	Publication date	Application number	Application date
AU2003265787 AA	20040319	AU20030265787	20030828
AU2003265787 AH	20040319	AU20030265787	20030828
AU2003274934 AA	20050128	AU20030274934	20030828
AU2003274934 AH	20050128	AU20030274934	20030828
AU2003274935 AA	20040319	AU20030274935	20030828
AU2003274935 AH	20040319	AU20030274935	20030828
AU2003284967 AA	20040615	AU20030284967	20031024
AU2003284967 AH	20040615	AU20030284967	20031024
AU2003286636 AA	20040525	AU20030286636	20031024
AU2003286636 AH	20040525	AU20030286636	20031024
AU2003294217 AA	20040504	AU20030294217	20030828
AU2003294217 AH	20040504	AU20030294217	20030828
AU2003294236 AA	20040525	AU20030294236	20031024
AU2003294236 AH	20091015	AU20030294236	20031024
AU2003298606 AA	20040513	AU20030298606	20031024
AU2003298606 AH	20040513	AU20030298606	20031024
WO04020591 A2	20040311	WO2003US26864	20030828
WO04020591 A3	20050324	WO2003US26864	20030828
WO04020595 A2	20040311	WO2003US27107	20030828
WO04020595 A3	20060504	WO2003US27107	20030828
WO04020595 C1	20040715	WO2003US27107	20030828
WO04035732 A2	20040429	WO2003US26780	20030828
WO04035732 A3	20060126	WO2003US26780	20030828
WO04038003 A2	20040506	WO2003US33947	20031024
WO04038003 A3	20041209	WO2003US33947	20031024
WO04039319 A2	20040513	WO2003US33657	20031024
WO04039319 A3	20041209	WO2003US33657	20031024

WO04039952 A2	20040513	WO2003US33725	20031024
WO04039952 A3	20090911	WO2003US33725	20031024
WO04039952 C1	20050127	WO2003US33725	20031024
WO04046310 A2	20040603	WO2003US33948	20031024
WO04046310 A3	20050217	WO2003US33948	20031024
WO04093804 A2	20041104	WO2004US12047	20040419
WO04093804 A3	20090326	WO2004US12047	20040419
WO04094598 A2	20041104	WO2004US11912	20040419
WO04094598 A3	20051027	WO2004US11912	20040419
WO04094651 A2	20041104	WO2004US12049	20040419
WO04094651 A3	20090326	WO2004US12049	20040419
WO05005597 A2	20050120	WO2003US27106	20030828
WO05005597 A3	20060105	WO2003US27106	20030828

Priority:

US20020406576P 20020829	US20020406579P 20020829	US20020406611P 20020829
US20020406588P 20020829	US20020406608P 20020829	US20020406585P 20020829
US20020406616P 20020829	US20020406655P 20020829	US20020406640P 20020829
US20020406666P 20020829	US20020406612P 20020829	US20020406642P 20020829
US20020406646P 20020829	US20020406653P 20020829	US20020411019P 20020917
US20020411024P 20020917	US20020411022P 20020917	US20020410962P 20020917
US20020410953P 20020917	US20020410957P 20020917	US20020410946P 20020917
US20020410960P 20020917	US20020410951P 20020917	US20020410947P 20020917
US20020410958P 20020917	US20020410961P 20020917	US20020410959P 20020917
US20020411023P 20020917	US20020410948P 20020917	US20020410949P 20020917
US20020411046P 20020917	US20020411082P 20020917	US20020411037P 20020917
US20020411111P 20020917	US20020411052P 20020917	US20020411032P 20020917
US20020411035P 20020917	US20020411035P 20020917	US20020411045P 20020917
US20020411041P 20020917	US20020411041P 20020917	US20020411055P 20020917
US20020411048P 20020917	US20020411073P 20020917	US20020411073P 20020917
US20020411101P 20020917	US20020421080P 20021025	US20020421614P 20021025
US20020421061P 20021025	US20020421552P 20021025	US20020422178P 20021030
US20020422177P 20021030	US20020426384P 20021115	US20020426355P 20021115
US20020426394P 20021115	US20020426430P 20021115	US20020426916P 20021115
US20020429224P 20021127	US20020429275P 20021127	US20020429326P 20021127
US20020429302P 20021127	US20020429651P 20021127	US20020430657P 20021204
US20020430663P 20021204	US20020430684P 20021204	US20020430668P 20021204
US20020430651P 20021204	US20020430645P 20021204	US20020431158P 20021204
US20020430965P 20021205	US20020431458P 20021205	US20020430937P 20021205
US20020431445P 20021205	US20020431606P 20021205	US20020433500P 20021212
US20020433251P 20021212	US20020433318P 20021213	US20020433316P 20021213
US20020436236P 20021223	US20030437914P 20030103	US20030440820P 20030117
US20030440821P 20030117	US20030463732P 20030418	US20030463700P 20030418
US20030463708P 20030418	US20030463708P 20030418	US20030463716P 20030418
US20030463716P 20030418	US20030467230P 20030502	US20030467203P 20030502
US20030467199P 20030502	US20030467199P 20030502	US20030467201P 20030502
US20030467201P 20030502	US20030471303P 20030516	US20030471306P 20030519
US20030471336P 20030519	US20030471336P 20030519	US20030472420P 20030522
US20030472430P 20030522	US20030476609P 20030609	US20030476641P 20030609
US20030476621P 20030609	US20030476632P 20030609	US20030485223P 20030708
US20030485325P 20030708	US20030485224P 20030708	US20030485218P 20030708
US20030485217P 20030708	US20030485359P 20030708	US20030486480P 20030714
US20030486446P 20030714	US20030486960P 20030715	US20030486891P 20030715
US20030493573P 20030808	US20030493370P 20030808	US20030493341P 20030808
US20030493577P 20030808	US20030493332P 20030808	US20030493356P 20030808
WO2003US27107 20030828	WO2003US26780 20030828	WO2003US26864 20030828
WO2003US27106 20030828	US20030505059P 20030908	WO2003US33657 20031024
WO2003US33725 20031024	WO2003US33947 20031024	WO2003US33948 20031024

Probable Assignee: FIVE PRIME THERAPEUTICS INC

Assignee(s): (std): WU GE ; WONG JUSTIN G P ; ZHANG HONGBING ; WANG YAN ; PIERCE KRISTEN ; WILLIAMS LEWIS T ; LINNEMANN THOMAS ; RIKEN ; RIKEN THE INST OF PHYSICAL AND ; WILLIAMS LEWIS T ; ZENG CHANGJIANG ; PIERCE KIRSTEN ; WONG JUSTINE G P ; WILLIAMS LEWIS THOMAS ; MASUOKA LORIANNE ; BEAURANG PIERRE ALVARO ; BEHRENS DIRK ; CHU KETING ; DNAFORM KK ; FIVE PRIME THERAPEUTICS INC ; LEE ERNESTINE ; HAISHAN LIN ; KOTHAKOTA SRINIVAS ; HESTIR KEVIN ; HALENBECK ROBERT FORGAN ; HUANG MIN MEI ; HALENBECK ROBERT F ; LIN HAISHAN ; KAMIYA MAMORU ; HAYASHIZAKI YOSHIHIDE ; RIKEN INST OF PHYSICAL AND

Assignee(s): WONG JUSTIN G ; KABUSHIKI KAISHA DNAFORM ; RIKEN INST OF PHYSICAL AND CHEMICAL RESEARCH ; RIKEN THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH ; WONG JUSTIN GP

Inventor(s): (std): WILLIAMS LEWIS T ; HUANG MIN MEI ; LINNEMANN THOMAS ; LEE ERNESTINE ; ZHANG HONGBING ; BEAURANG PIERRE ALVARO ; HESTIR KEVIN ; HAISHAN LIN ; WU GE ; WANG YAN ; HALENBECK ROBERT FORGAN ; BEHRENS DIRK ; WONG JUSTIN G P ; KOTHAKOTA SRINIVAS ; PIERCE KRISTEN ; CHU KETING ; ZENG CHANGJIANG ; HALENBECK ROBERT F ; WONG JUSTINE G P ; PIERCE KIRSTEN ; LIN HAISHAN ; MASUOKA LORIANNE ; WILLIAMS LEWIS THOMAS ; HAYASHIZAKI YOSHIHIDE ; KAMIYA MAMORU

Inventor(s): WONG JUSTIN G ; JUSTIN G ; WONG JUSTIN GP ; JUSTINE G P WONG ; ROBERT F HALENBECK ; KIRSTEN PIERCE ; CHANGJIANG ZENG ; YOSHIHIDE HAYASHIZAKI ; MAMORU KAMIYA ; HONGBING ZHANG ; JUSTIN G P WONG ; KRISTEN PIERCE ; SRINIVAS KOTHAKOTA ; DIRK BEHRENS ; KEVIN HESTIR ; GE WU ; PIERRE ALVARO BEAURANG ; MIN MEI HUANG ; YAN WANG ; THOMAS LINNEMANN ; LEWIS T WILLIAMS ; ROBERT FORGAN HALENBECK ; ERNESTINE LEE ; KETING CHU

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG 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 NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

85) Family number: 61649852 (US2017231210A)

© PatBase

Title: DEVICE AND METHOD FOR TRAPPING FLYING INSECT PESTS

Abstract: An apparatus for trapping flying insect pests, including: a device for diffusing in the surrounding ambient air a

Priority:

CA20152898513 20150727

Probable Assignee:

HEATH STEPHAN

Assignee(s): (std):

HEATH STEPHAN

Inventor(s): (std):

HEATH STEPHAN

Agent(s):

MILTONS IP PI

87) Family number: 44666865 (US2011154985A)

© PatBase

Title: WATER, LIGHT AND AIRFLOW CONTROL SYSTEM AND CONFIGURATION FOR A PLANT AIR PURIFIER

Abstract: A plant air purifier and associated method for purifying air, comprising: at least one grow container; a filter bed comprising a surface which is horizontal within 20 degrees of a horizontal plane; at least one plant which grows within the filter bed; a reservoir for containing water for watering the at least one plant; a mechanical watering device which waters the filter bed from the top down; a pump for pumping water from the reservoir to and through the mechanical watering device; and an air propulsion mechanism for propelling air through the filter bed.

Classifications:**International (IPC 8-9):** A01G1/00 A01G13/02 A01G17/06

A01G17/14 A01G25/00 A01G27/00 A01G31/00 A01G9/02 A01G9/029

A01G9/16 A01G9/18 A01M7/00 A61L2/10 B01D46/00 B01D47/00

B01D53/14 B01D53/34 B01D53/84 B08B3/02 F21S4/00 F21V9/00

F24F13/00 F24F3/16 G06Q40/08 G06Q50/22 H04B17/00 H04W88/08

H05B37/02 (Advanced/Invention);

B01D53/84 (Advanced/Non-invention);

A01G27/00 A01G9/02 B01D53/84 F24F3/16 (Core/Invention)

CPC: G06Q40/08 G06Q50/22 B01D53/84 A01G27/00 B01D2257/708

F24F3/16 F24F2003/1653 B01D2259/4508 Y02A50/2358 H04B17/345

European: A01G27/00 B01D53/84 F24F3/16 L01D257/708

L01D259/45B L01D53/84 R24F3/16B25

US: 134/199 250/492.1 250/492.100S 315/152 315/152S 362/231

362/249.02 362/249.020S 455/226.3 455/514 47/1.7 47/17 47/20.1

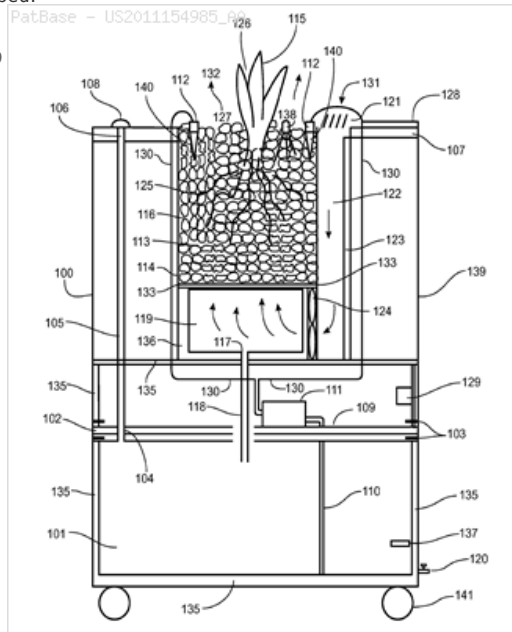
47/20.100S 47/44 47/45 47/45S 47/46 47/46S 47/58.1LS 47/59R

47/59S 47/65 47/66.6 47/66.600P 47/66.7 47/66.700P 47/66.700S

47/77 47/79 47/79S 705/2 95/1 95/149 95/1P 95/210 95/23 95/24

95/26 95/90 96/109 96/109S 96/115 96/115S 96/224 96/290 96/417

96/422 96/424

**Family:**

Publication number	Publication date	Application number	Application date
CA2736254 AA	20110304	CA20092736254	20090911
CA2736271 AA	20110304	CA20092736271	20090918
CA2828602 AA	20130828	CA20112828602	20110310
CN102215939 A	20111012	CN200980146054	20090911
CN102215940 A	20111012	CN200980146055	20090918
EP2845335 A1	20150311	EP20130726908	20130430
IN02028CN2011 A	20120203	IN2011CN02028	20110323
IN02029CN2011 A	20120203	IN2011CN02029	20110323
US2011154985 AA	20110630	US20090060668	20090918
US2011162273 AA	20110707	US20090062580	20090911
US2012090232 AA	20120419	US20110334260	20111222
US2012311926 AA	20121213	US20110580159	20110310
US2013295980 AA	20131107	US20130873927	20130430
US2013297335 AA	20131107	US20130858851	20130408
US8083835 BB	20111227	US20090062580	20090911
US8454729 BB	20130604	US20110334260	20111222
US8894741 BB	20141125	US20090060668	20090918
US9010019 BB	20150421	US20110580159	20110310
WO10033423 A1	20100325	WO2009US56581	20090911
WO10033752 A1	20100325	WO2009US57392	20090918
WO10033752 A4	20100527	WO2009US57392	20090918
WO11115806 A2	20110922	WO2011US27860	20110310
WO11115806 A3	20120119	WO2011US27860	20110310
WO11115806 A4	20120308	WO2011US27860	20110310
WO13166002 A1	20131107	WO2013US38843	20130430

Priority:

US20080098314P 20080919 US20090062580 20090911 WO2009US56581 20090911
US20090060668 20090918 WO2009US57392 20090918 US20100314215P 20100316
US20110060668 20110224 US20110062580 20110307 US20110580159 20110310
WO2011US27860 20110310 US20110334260 20111222 US20120624831P 20120416
US20120642835P 20120504 US20120580159 20120821 US20130858851 20130408
US20130873927 20130430 WO2013US38843 20130430

Probable Assignee: BSHARA PRISCILLA MS**Assignee(s):** (std): CORNING MOBILEACCESS LTD ; CORNING OPTICAL COMM WIRELESS LTD ; MITTELMARK MARTIN ; MARTIN MITTELMARK ; WOLVERTON BILLY C ; REUVEN RAMI ; SABAN OFER ; SHAPIRA ISAAC

Assignee(s): MITTELMARK MICHAEL ; MITTELMARK ZACKARY ; MITTELMARK MICHAEL MR ; MITTELMARK ZACKARY MR ; MITTELMARK ZACHARY ; MITTELMARK MARC A ; MITTELMARK MARC ANTHONY ; CORNING OPTICAL COMMUNICATIONS WIRELESS LTD ; MITTELMARK MATTHEW ; MITTELMARK MATTHEW MR ; MITTELMARK MARC A MR ; BSHARA PRISCILLA ; BSHARA PRISCILLA MS

Inventor(s): (std): WOLVERTON BILLY C ; MITTELMARK MARTIN ; MARTIN MITTELMARK ; SHAPIRA ISAAC ; SABAN OFER ; REUVEN RAMI

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; RICHES MCKENZIE AND HERBERT LLP; STURM CHRISTOPH; JAY R; YABLON JAY R; MONTGOMERY C KEITH

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 IS IT JP KE KG KM KN KP KR KZ LA LC LI 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 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

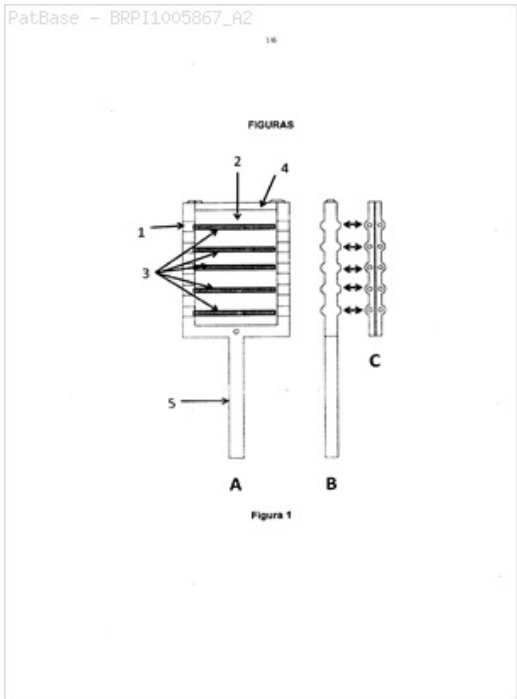
88) Family number: 54739874 (BRPI1005867A)

© PatBase

Title: ARMADILHA PARA CAPTURA DE FLEBOTOMINEOS E SEU USO TRAP TO CATCH YOUR USE sandflies and (Machine translation)

Abstract: Source: BRPI1005867A [PT] 1 RESUMO "ARMADILHA PARA CAPTURA DE FLEBOTOMINEOS E SEU USO" A presente invencao compreende uma armadilha para deteccao, monitoramento e controle de flebotomineos, vetores de doencas, em area 5 urbana, rural ou silvestre, endemica ou nao, para fornecer informacoes populacionais sobre os mesmos, no intuito de auxiliar as medidas de controle dos orgaos competentes de saude. Tambem podera ser utilizada para evitar a contaminacao de animais reservatorios, na tentativa de impedir a transmissao da doenca. **Machine translation: 1 SUMMARY "TRAP TO CAPTURE sandflies AND THEIR USE"** The present invention comprises a trap for Detection, monitoring and control phlebotomines, diseases vectors in area 5 urban, rural or wild, endemic or not, to provide population information regarding certain same, in order to help control measures of competent organs of health. It can also be used to prevent contamination of animal reservoirs in an attempt to prevent the transmission of disease.

Classifications:
International (IPC 8-9): A01M1/22 (A dvanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
BRPI1005867 A2	20130903	BR2010PI05867	20100409

Priority:
BR2010PI05867 20100409

Probable Assignee: UNIV MINAS GERAIS

Assignee(s): (std): ECOVEC ; UNIV MINAS GERAIS

Assignee(s): UNIVERSIDADE FEDERAL DE MINAS GERAIS

Inventor(s): (std): DE ANDRADE ANDREY JOSE ; EIRAS ALVARO EDUARDO ; DO CARMO FELIPE FONSECA ; DE ANDRADE MATEUS RAMOS

Inventor(s): ANDREY JOSE DE ANDRADE ; FELIPE FONSECA DO CARMO ; ALVARO EDUARDO EIRAS ; MATEUS RAMOS DE ANDRADE

89) Family number: 12194896 (US2003192229A)

© PatBase

Title: ATTRACTING MOSQUITOES FOR ELECTROCUTION AND/OR TRAPPING

Abstract: An insect killing system optimized for mosquitoes uses multiple thermal gradients to simulate the breathing of, and body heat emitted by, animals, including human beings and fowl, to attract insects for subsequent electrocution and/or trapping. Mosquitoes are attracted to a mosquito-killing device for electrocution and/or trapping. Heat is generated within the device such that a heat gradient between an outer surface of the device and the atmosphere surrounding the device is created thereby emulating emission of body heat by an animal. At least one mosquito attractant, such as an aromatic, a

pheromone, or moisture, is emitted from the device. And an airflow is created that sucks mosquitoes, which have been attracted to the outside of the device, into the device for electrocution and/or trapping by the device.

Classifications:

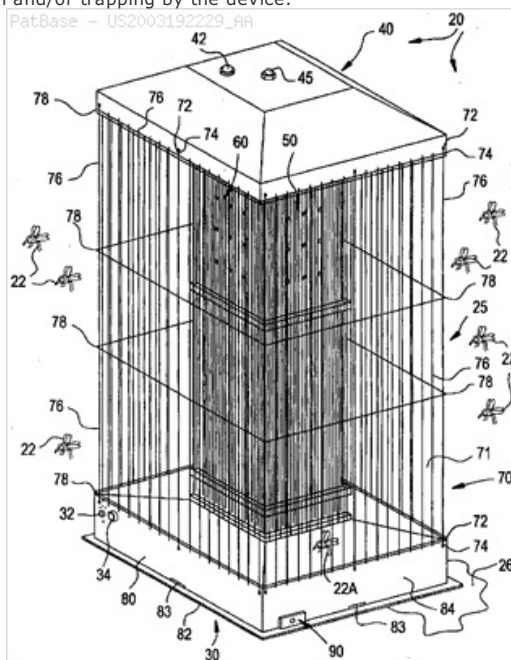
International (IPC 8-9): A01K77/00 A01M1/02 A01M1/06 A01M1/20 A01M1/22 (Advanced/Invention)

International (IPC 1-7): A01M1/04 A01M1/06 A01M1/08 A01M1/22 H05C3/00

CPC: A01M1/023 A01M1/06 A01M1/223 A01M2200/012

European: A01M1/02C A01M1/06 A01M1/08 A01M1/20A1 A01M1/20C A01M1/22 A01M1/22B K01M200/012 K01M201/02

US: 43/112 43/112P 43/113 43/139 431/120



Family:

Publication number	Publication date	Application number	Application date
AU199862788 A1	19990802	AU19980062788	19980212
US2003192229 AA	20031016	US20030445584	20030527
US5595018 A	19970121	US19950395910	19950228
US6050025 A	20000418	US19960761282	19961206
US6568124 BA	20030527	US19980009122	19980120
US7832140 BB	20101116	US20030445584	20030527
US8109036 BA	20120207	US20090454459	20090518
WO9935908 A1	19990722	WO1998US02872	19980212

Priority:

US19950395910 19950228	US19960761282 19961206	US19980009122 19980120
WO1998US02872 19980212	US20030445584 20030527	US20090454459 20090518

Probable Assignee: SHRADER TIFFANY

Assignee(s): (std): ARCTIC PRODUCTS LLC ; ARTIC PRODUCTS LLC ; EPAR LLC ; WILBANKS ALVIN D

Assignee(s): LIGHTSHIP CAPITAL LLC ; SHRADER TIFFANY ; ARTIC PRODUCTS LLC PO BOX

Inventor(s): (std): WILBANKS ALVIN D

Inventor(s): ALVIN D WILBANKS

Agent(s): MICHAEL J

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

90) Family number: 46816900 (US2007202581A)

© PatBase

Title: METHOD FOR THE PRODUCTION OF POLYHYDROXYALKANOIC ACID

Abstract: Embodiments of the invention relate to the microbial production of polyhydroxyalkanoic acids, or polyhydroxyalkanoates (PHA), from substrates which cannot be used as a source of carbon and/or energy for microbial growth or PHA synthesis and which have microbial and environmental toxicity. According to one embodiment of the invention, a process for the production of PHA is provided wherein an enzyme such as methane monooxygenase is used to convert volatile organic compounds into PHA through the use of microorganisms that are unable to use volatile organic compounds as a source of carbon for growth or PHA production.

Classifications:

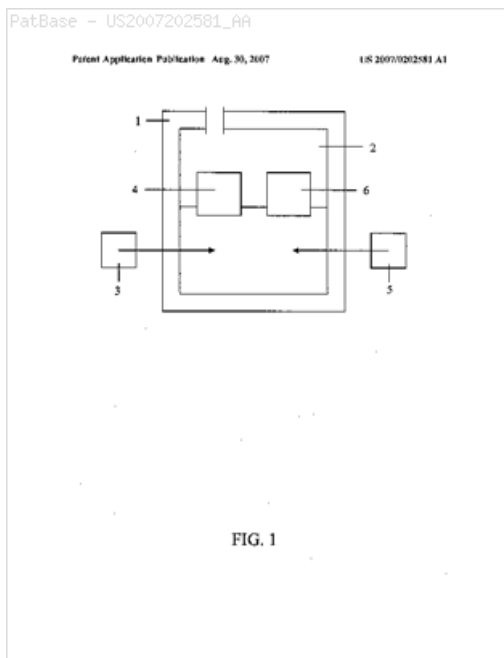
International (IPC 8-9): A01K1/00 A61K35/42 A61K38/05 A62D3/02 B01J12/00 B01J19/00 C08G63/06 C08G63/78 C10L3/10 C12M1/00 C12M1/04 C12M1/107 C12N1/00 C12N1/20 C12N1/30 C12N1/32 C12N1/38 C12N9/02 C12P1/00 C12P21/04 C12P39/00 C12P7/02 C12P7/42 C12P7/44 C12P7/62 F01K13/00 F02B43/00 F02C7/22 F02D17/02 F02D35/02 F02D41/00 F02G3/00 F17D1/04 F22B33/00 F23K5/00 H01M8/00 H01M8/06 H01M8/22 H02K7/18 (Advanced/Invention);

C12N1/20 C12N1/26 (Advanced/Non-invention); A61K35/42 A62D3/00 C08G63/00 C12M1/00 C12M1/107 C12N1/20 C12N1/26 C12N1/32 C12N9/02 C12P1/00 C12P21/04 C12P7/02 C12P7/40 C12P7/62 (Core/Invention); C12N1/20 C12N1/26 (Core/Non-invention)

International (IPC 1-7): C12P7/02

CPC: B01D2258/05 B01J12/00 C12M43/00 A61K35/42 C12N1/38 C12N9/0073 Y02E50/343 Y02E50/346 Y10T137/87571 F02D35/025 F02D41/0087 Y02P20/128 C12M47/18 C12M1/04 A61K38/05 C08G63/06 C10L3/10 C12N1/30 C12P7/42 C12P7/62 F02D17/02 C12P7/625

European: A61K35/42 A61K38/05 C08G63/06 C12N1/30 C12P7/42 C12P7/62 C12P7/62A F02D17/02 F02D35/02F F02D41/00H6 Y02E50/34B Y02E50/34D
US: 1/1 119/420 119/448 122/1R 123/1.00AS 123/1A 123/3 137/602 290/1R 422/187 424/557 424/93.4 424/93.5 429/401 429/401P 429/416 431/253 435/135 435/135P 435/135S 435/142 435/146 435/146P 435/189 435/189S 435/244 435/250 435/252.1 435/252.3 435/252.300S 435/254.1 435/262.5 435/266 435/289.1 435/289.100S 435/41 435/41S 435/71.1 435/71.100P 48/127.3 48/127.5 48/197.00R 48/197R 60/39.12 60/645 60/645S 60/722 60/772 60/772S



Family:

Publication number	Publication date	Application number	Application date
AU2007347448 AA	20080828	AU20070347448	20070221
AU2007347448 BB	20120927	AU20070347448	20070221
CA2678787 AA	20080928	CA20072678787	20070221
CA2678787 C	20170110	CA20072678787	20070221
CN101646778 A	20100210	CN200780052515	20070221
CN101646778 B	20121212	CN200780052515	20070221
DE602005046219 D1	20150513	DE200560046219T	20051229
EP1924683 A1	20080528	EP20050855905	20051230
EP1924683 A1	20080528	EP20050855905	20051229
EP1924683 A4	20091111	EP20050855905	20051229
EP1924683 A4	20091111	EP20050855905	20051230
EP1924683 B1	20150401	EP20050855905	20051229
EP2121947 A2	20091125	EP20070751256	20070221
EP2121947 A4	20120201	EP20070751256	20070221
EP2781593 A2	20140924	EP20140172432	20051229
EP2781593 A3	20141217	EP20140172432	20051229
EP2781593 B1	20190807	EP20140172432	20051229
IN05984DN2009 A	20100618	IN2009DN05984	20090917
IN274169 B	20160715	IN2009DN05984	20090917
KR101387098 B1	20140418	KR20097019406	20070221
KR20090129430 A	20091216	KR20097019406	20070221
MX2009008849 A1	20100211	MX20090008849	20070221
US2007202581 AA	20070830	US20070676928	20070220
US2008241886 AA	20081002	US20050064603	20051229
US2010190221 AA	20100729	US20090546138	20090824
US2010255540 AB	20101007	US20080064603	20080222
US2010279180 AA	20101104	US20100825277	20100628
US2012077238 AA	20120329	US20110310542	20111202
US2012225476 AA	20120906	US20120452772	20120420
US2013005006 AA	20130103	US20120609151	20120910
US2014057343 AA	20140227	US20130918395	20130614
US2014206049 AA	20140724	US20140222506	20140321
US2014256026 AA	20140911	US20140286274	20140523
US2015072385 AA	20150312	US20140526228	20141028
US2016145655 AA	20160526	US20160990713	20160107
US2018119181 AA	20180503	US20170849193	20171220
US2018119182 AA	20180503	US20170849531	20171220
US6982161 BA	20060103	US20030687272	20031015
US7579176 BB	20090825	US20070676928	20070220
US7745197 BA	20100629	US20050208808	20050822
US8071342 BB	20111206	US20050064603	20051229
US8177870 BB	20120515	US20100825277	20100628
US8263373 BB	20120911	US20090546138	20090824
US8465876 BB	20130618	US20120452772	20120420
US8703470 BB	20140422	US20120609151	20120910
US8735113 BB	20140527	US20110310542	20111202
US8945915 BB	20150203	US20130918395	20130614
US9243266 BB	20160126	US20140222506	20140321
US9850508 BB	20171226	US20140526228	20141028
US9868967 BB	20180116	US20160990713	20160107
WO07024255 A1	20070301	WO2005US47415	20051229
WO08103134 A2	20080828	WO2007US04484	20070221

Priority:

US20030687272	20031015	US20040603857P	20040824	US20050208808	20050822
US20050721938P	20050929	EP20050855905	20051229	US20050064603	20051229
WO2005US47415	20051229	WO2005US54741	20051229	EP20050855905	20051230
WO2005US47415	20051230	US20070676928	20070220	WO2007US04484	20070221
US20080064603	20080222	US20090546138	20090824	US20100825277	20100628
US20110310542	20111202	US20120452772	20120420	US20120609151	20120910
US20130918395	20130614	US20140222506	20140321	US20140286274	20140523
US20140526228	20141028	US20160990713	20160107	US20170849531	20171220
US20170849193	20171220				

Probable Assignee: NEWLIGHT TECHNOLOGIES INC

Assignee(s): (std): HERREMA KIMMEL LLC ; HERREMA KIMMEL LLC US ; HERREMA MARKUS DONALD ; KIMMEL KENTON ; NEWLIGHT TECHNOLOGIES LLC ; HERREMA MARKUS ; HEDRREMA KIMMEL LLC ; NEWLIGHT TECH LLC ; NEWLIGHT TECH INC

Assignee(s): NEWLIGHT TECHNOLOGIES INC ; HEDREMA KIMMELL LLC ; NEWLIGHT TECHNOLOGIES LLC COSTA MESA

Inventor(s): (std): KENTON KIMMEL ; DONALD HERREMA MARKUS ; HERREMA MARKUS ; KIMMEL KENTON ; HERREMA MARKUS DONALD

Inventor(s): KIMMEL KENTON DANA POINT ; HERREMA MARKUS DONALD LAGUNA NIGUEL ; MARKUS DONALD HERREMA

Agent(s): FB RICE; FB RICE PTY LTD; FETHERSTONHAUGH AND CO; MUELLER FOTTNER STEINECKE
RECHTSANWALTS U PATENTANWALTSPARTNERSCHAFT MBB; BRAND THOMAS LOUIS; GRUENECKER
PATENT U RECHTSANWAELTE PARTG MBB; KNOBBE MARTENS OLSON AND BEAR LLP; DELANEY
KAROLINE A

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM 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 LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI 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 YU ZA ZM ZW

91) Family number: 67075902 (US2017273290A)

Title: REMOTE INSECT MONITORING SYSTEMS AND METHODS

Abstract: A remote insect monitor and associated method include a container configured to allow an insect attractant within the container to escape into ambient air proximate a landing area. At least one detection sensor generating sensor data of insects proximate the landing area, and a control module has a processor and a memory storing machine readable instructions executable by the processor to process the sensor data and count insects proximate the landing area. The remote insect monitor and associated method may also include an analyzer for analyzing an insect of interest to determine whether the insect carries a disease, wherein the control module sends an indication of whether the insect carries the disease to the remote server.

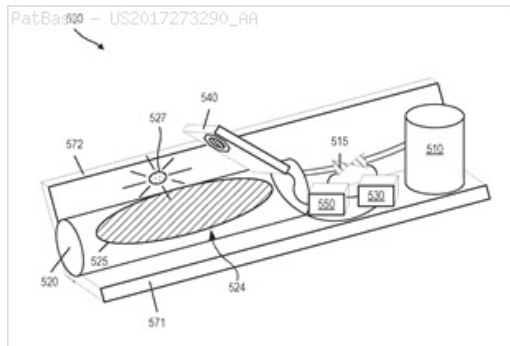
Classifications:

International (IPC 8-9): A01M1/00 A01M1/02 A01M1/04 A01M1/10 A01M1/14 G06T7/00 (Advanced/Invention)

CPC: A01M1/026 A01M1/04 A01M1/106 A01M1/023 G06T7/0012

G06T2207/30242 G06T2207/10004 G06T2207/10048

G06T2207/30004 G06K9/00771



Family:

Publication number	Publication date	Application number	Application date
US2017273290 AA	20170928	US20170430207	20170210
WO17165517 A1	20170928	WO2017US23588	20170322

Priority:

US20160311779P 20160322 US20170430207 20170210

Probable Assignee: JAY MATTHEW

Assignee(s): (std): JAY MATTHEW

Inventor(s): (std): JAY MATTHEW

Agent(s): LINK DOUGLAS 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 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 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 QZ 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 UB UG UZ VC VN ZA ZM ZW

92) Family number: 2805924 (US4794725A)

Title: Insect trap

Abstract: An electrical motorized fan creates an airstream in a hollow housing to draw insects past a pivotal closure member at one end of the housing into a trap receptacle removably mounted within the housing. The fan is driven by an electric

motor powered by a battery mounted within the housing. An electrical switch selectively connects the battery to the motor to energize the fan. The switch is coupled to the pivotal closure member such that movement of the switch between "off" and "on" positions simultaneously causes movement of the closure member between a first position closing the first end of the housing to air flow to a second position opening the first end of the housing to air flow. A mesh screen is mounted within the trap receptacle to trap insects drawn into the receptacle through the first end of the housing. An insecticide dispenser is slidably mounted on the trap receptacle and is selectively alignable with an aperture in the trap receptacle to allow the insecticide to permeate the trap receptacle and kill insects trapped therein.

Classifications:

International (IPC 8-9): A01M1/06 A01M1/20 (Advanced/Invention); A01M1/00 A01M1/20 (Core/Invention)

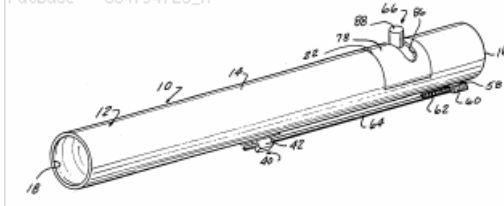
International (IPC 1-7): A01M5/08

CPC: A01M1/06 A01M1/20 A01M2200/012

European: A01M1/06 A01M1/20 K01M200/012 K01M201/02

US: 43/139

PatBase - US4794725_A



Family:

Publication number	Publication date	Application number	Application date
US4794725 A	19890103	US19880172756	19880328

Priority:

US19880172756 19880328

Probable Assignee:

NUMERICK ALLEN

Assignee(s): (std):

NUMERICK ALLEN

Inventor(s): (std):

NUMERICK ALLEN

93) Family number: 48532964 (US2011072712A)

© PatBase

Title: BED BUG CAPTURING DEVICE

Abstract: The present invention relates to a bed bug capturing device comprising: (a) a bed bug attractant element comprising (i) a heavier than air organic chemical which attracts bed bugs; and (ii) a means for producing air flow such that the air movement from the device has a face velocity of between about 5 and about 50 ml/cm²/min; and (b) a trap element. Preferably, such means of producing air flow is a fan.

Classifications:

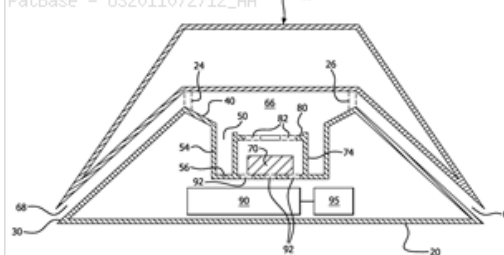
International (IPC 8-9): A01M1/02 A01M1/10 A01N31/02 A01N35/02 (Advanced/Invention)

CPC: Y02A50/374 A01M1/103 A01M1/02 A01M1/2033 A01M1/2055

European: A01M1/02 A01M1/10C A01M1/20C2F A01M1/20C2S

US: 43/123 43/123P

PatBase - US2011072712_AA



Family:

Publication number	Publication date	Application number	Application date
US2011072712 AA	20110331	US20100872456	20100831
WO11037729 A2	20110331	WO2010US47278	20100831
WO11037729 A3	20110721	WO2010US47278	20100831

Priority:

US20090246315P 20090928

US20100872456 20100831

Probable Assignee: FMC CORP

Assignee(s): (std): FMC CORP ; SHETH SHREYA ; VARANYAK LINDA A ; WOODRUFF KEITH F ; BLACK BRUCE C

Inventor(s): (std): VARANYAK LINDA A ; BLACK BRUCE C ; SHETH SHREYA ; WOODRUFF KEITH F ; SHAH SHREYA J

Agent(s): BOLAND KEVIN J ET AL

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 RO RS RU 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

94) Family number: 15322966 (US5762667A)

© PatBase

Title: AIR TREATMENT SYSTEM

Abstract: An air treatment system having a relatively large capacity yet a relatively small footprint and low sound level. The air treatment system includes a housing defining adjacent vertically extending inlet and outlet chambers. A blower is mounted within the inlet chamber to move air through the system. A generally planar filter is contained within the outlet chamber and is spaced apart from the rear wall of the housing to define a plenum. The rear wall of the housing is curved so that the plenum is tapered to provide uniform pressure over the face of the filter. The system is adapted to rest upon the floor or mount either vertically or horizontal to a wall. Additionally, the system includes a control mechanism that allows the system to run at full speed for a predetermined period of time and then automatically return to its previous speed level.

Classifications:

International (IPC 8-9): A01N33/26 A01N37/00 A01N37/28

A01N37/52 A01N43/36 A01N43/50 A01N47/34 A01N53/00

A01N63/00 A01P7/04 A61L9/16 B01D35/30 B01D46/00 B01D46/10

B01D46/44 C01G23/047 C09C1/36 C09D5/06 C12N15/09 C12N7/00 C12P21/02 F24F1/00 F24F11/047 F24F13/18 F24F13/32 F24F3/16 (Advanced/Invention); A01N37/00 A01N37/52 A01N63/00 A01P7/04 B01D46/00 C12N15/09 C12N7/00 C12P21/02 C12R1/92 F24F1/00 (Advanced/Non-invention); A01N33/00 A01N37/00 A01N37/52 A01N63/00 A01P7/04 A61L9/16 B01D35/30 B01D46/00 B01D46/10 B01D46/44 C01G23/00 C09C1/36 C09D5/06 C12N15/09 C12N7/00 C12P21/02 (Core/Invention); A01N63/00 (Core/Non-invention); A01N (Subclass/Invention)

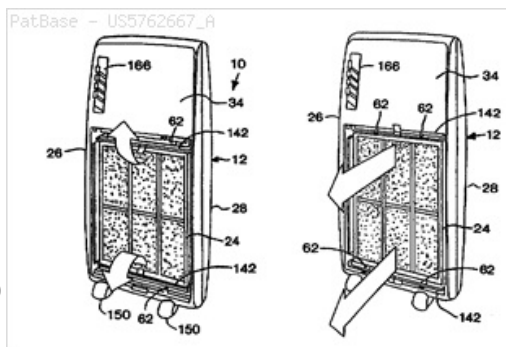
International (IPC 1-7): A01N A01N37/28 A01N37/52 A01N43/36 A01N47/34 A01N53/00 A01N63/00 B01D24/00 B01D35/30 B01D39/00 B01D46/00 B01D46/10 B01D46/52 C12N15/09 C12N7/00 C12P21/02 F24F1/00 F24F11/00 F24F11/047 F24F13/00 F24F13/18 F24F13/32 F24F29/12 F25B9/00 F25D17/00

CPC: A01N63/00 F24F11/77 B01D46/0005 B01D46/0038 B01D46/0086 B01D46/10 B01D2267/40 F24F3/1603 F24F13/24 F24F1/0071

European: A01N63/00 B01D46/00C20 B01D46/00F70 B01D46/00S10 B01D46/10 F24F3/16B L01D267/40 R24F1/00H R24F11/00R7B R24F13/24 Y02B30/74H

US: 248/188.8 248/207 248/225.11 55/467 55/472 55/473 55/482 55/490 55/493 55/495 55/504 55/511 96/397 96/417 96/421 96/422 96/424

PatBase - US5762667_R



Family:

Publication number	Publication date	Application number	Application date
AR008767 AA	20000223	AR1997P102524	19970610
AU199532029 A1	19960222	AU19950032029	19950727
AU199732958 A1	19980107	AU19970032958	19970603
AU708560 B2	19990805	AU19950032029	19950727
BG101169 A	19971031	BG19970101169	19970124
BG64408 B1	20050131	BG19970101169	19970124
BRPI9508445 A	19971125	BR1995PI08445	19950727
CA2195969 AA	19970124	CA19952195969	19950727
CA2256443 AA	19981126	CA19972256443	19970603
CA2256443 C	20041012	CA19972256443	19970603
CA2471101 AA	19971218	CA19972471101	19970603
CA2471101 C	20070327	CA19972471101	19970603
CA2471104 AA	19971218	CA19972471104	19970603
CA2471104 C	20070206	CA19972471104	19970603
CA2471150 AA	19971218	CA19972471150	19970603
CA2471472 AA	19971218	CA19972471472	19970603
CZ20197 A3	19980916	CZ19970000201	19950727
CZ20197 U1	20091118	CZ20070019194U	20070910
CZ9700201 A3	19980916	CZ19970000201	19950727
EP0772399 A1	19970514	EP19950928169	19950727
EP0958031 A2	19991124	EP19970928792	19970603
HU221352 B1	20020928	HU19970000249	19950727
HU76840 A2	19971128	HU19970000249	19950727
ID18435 A	19980409	ID19970001993	19970611
IL114742 A0	19951127	IL19950114742	19950726
JP10503650 T2	19980407	JP19960505976T	19950727
JP2000512204 T2	20000919	JP19980501661T	19970603
JP2006000852 A2	20060105	JP20050253965	20050901
JP2006000853 A2	20060105	JP20050253967	20050901
JP2006035220 A2	20060209	JP20050253966	20050901
KR100256184 B1	20000515	KR19970023738	19970610
KR19970704355 A	19970906	KR19970700494	19970125
KR19977004355 A	19970906	KR19977000494	19950727
KR19980003237 A	19980330	KR19970023738	19970610
KR970704355 A	19970906	KR19970700494	19970125
KR980003237 A	19980330	KR19970023738	19970610
MX9700646 A1	19970430	MX19970000646	19950727
MY128957 A	20070330	MY19970002593	19970611
NZ291028 A	19990329	NZ19950291028	19950727
PL184944 B1	20030131	PL19950318360	19950727
PL318360 A1	19970609	PL19950318360	19950727
RU2200394 C2	20030320	RU19970103506	19950727
RU97103506 A	19990420	RU19970103506	19970227
TH17176 B	20040628	TH19971001978	19970527
TH29954 A	19980904	TH19971001978	19970527
TW326384 B	19980211	TW19950107535	19950720
TW416864 B	20010101	TW19970108010	19970808
US5762667 A	19980609	US19960665003	19960611
US5800583 A	19980901	US19960661589	19960611
US5803940 A	19980908	US19960661375	19960611
US5840092 A	19981124	US19960661590	19960611
US5925172 A	19990720	US19960661604	19960611
WO9603048 A1	19960208	WO1995US09525	19950727
WO9747928 A2	19971218	WO1997US09525	19970603
WO9747928 A3	19980416	WO1997US09525	19970603
ZA9506274 A	19970127	ZA19950006274	19950727

Priority:

US19940281374	19940727	US19950425156	19950426	WO1995US09525	19950727
US19960661589	19960611	US19960661604	19960611	US19960661590	19960611
US19960661375	19960611	US19960665004	19960611	US19960665003	19960611

CA19972256443 19970603 CA19972471101 19970603 CA19972471104 19970603
CA19972471150 19970603 CA19972471472 19970603 WO1997US09525 19970603

CZ20070019194U 20070910

Probable Assignee: ACCESS BUSINESS GROUP INT LLC

Assignee(s): (std): ACCESS BUSINESS GROUP INT LLC ; AMERICAN CYANAMID CO ; AMERIKEN TSIANAMID KOMPANI ; AMWAY CORP ; ACCESS BUSINESS GROUP INTERNATL LLC ; MOTYCKA JIRI ; MRAZEK LUBOS

Assignee(s): AMERICAN CYANAMID COMPANY ; ALTICOR INC ; HENKEL IP AND HOLDING GMBH ; KUKEL CHRISTINE FRANCES ; TREACY MICHAEL FRANK ; WYETH HOLDINGS CORP ; NIEZGODA THOMAS ; PIPPEL BRADLEY J ; O CONNOR JOHN F JR ; RICK BRADLEY G ; AMERICAN CYANAMID COMPANYUS ; BLACK BRUCE CHRISTIAN ; BASF AG ; BASF SE ; ACCESS BUSINESS GROUP INTERNATIONAL LLC ; ABEREGG DALE ; ACCESS BUSINESS GROUP INT

Inventor(s): (std): CHRISTINE FRANCES KUKEL ; BLACK BRUCE CHRISTIAN BLACK ; TREACY MICHEAL FRANK ; KUKEL CHRISTINE FRANCES ; TREACY FRANK M ; KUKEL FRANCES C ; BLACK BLACK KHRISTIAN B ; BRUCE CHRISTIAN BLACK ; BLACK BRUCE CHRISTIAN ; TREACY MICHAEL FRANK ; MICHAEL FRANK TREACY ; KUKEL CHRISTINE F ; BLACK BRUCE C B ; TREACY MICHAEL F ; TREACY MICHEAL ; KUKEL CHRISTINE ; BLACK BRUCE ; BLEHK BRJUS KRISTIAN BLEHK ; TRISI MAJKL FRENK ; KUKEL KRISTIN FRANCES ; PIPPEL BRADLEY J ; O CONNOR JOHN F JR ; RICK BRADLEY G ; ABEREGG DALE ; MOTYCKA JIRI ; MRAZEK LUBOS ; JOHN F O CONNOR ; JOHN F O CORNER JUNIOR ; THOMAS NIEZUKODA ; O CORNER JOHN F JUNIOR ; O CONNOR JR JOHN F ; O CONNOR JOHN F ; NIEZUKODA THOMAS ; DAIL ABERLEG ; BREDLI J PIPEL ; BREDLI G RICK ; ABEREGG DALE AND ; NIEZGODA THOMAS ; THOMAS NIEZGODA ; JOHN F O CONNOR JR ; BRADLEY J PIPPEL ; DALE ABEREGG ; BRADLEY G RICK

Inventor(s): MICHEAL FRANK TREACY ; BRUCE CHRISTIAN BLACK BLACK

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR; BORDEN LADNER GERVAIS LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TR TT UA UG UZ VN YU

95) Family number: 33804968 (US2006260183A)

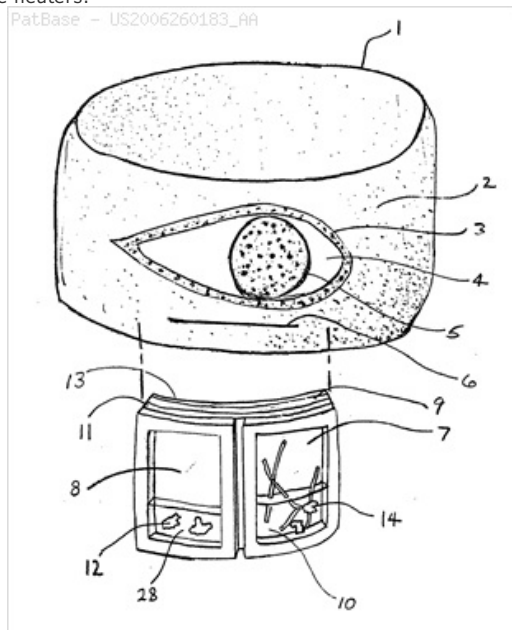
© PatBase

Title: INSECT REPELLENT AND ATTRACTANT AND AUTO-THERMOSTATIC MEMBRANE VAPOR CONTROL DELIVERY SYSTEM

Abstract: A membrane enclosed fluid diffusion system for insect attractants and repellents, auto thermostatic heaters, and chemical delivery using an additive and/or selectively permeable membrane that interacts with the enclosed fluid to maintain steady delivery rates over a range of temperature and humidity. Systems can be formed with permeable membranes, impermeable membranes, chemical hydrates, wicks, scent fluids, fuel fluids, catalytic heaters, energy conversion devices, visible images, infrared images, trapping systems, sound systems, electronics, and apparel. The device results in efficient and effective devices for mosquito control drug delivery, and portable heaters.

Classifications:

International (IPC 8-9): A01M1/20 A01M29/10 A01M29/12
A01N25/34 (Advanced/Invention)
CPC: A01M1/02 A01M1/023 A01M1/06 A01M1/08 A01M1/2044
A01M1/2061 A01M1/2088 A01M1/223 A01M29/10 A01M29/12
Y10S514/875 Y10S514/876 Y10S514/919
European: A01M1/02 A01M1/02C A01M1/06 A01M1/08
A01M1/20C2L A01M1/20C4 A01M1/20C4R A01M1/22B A01M29/10
A01M29/12
US: 119/654 424/403 424/405 424/409 424/411 424/413 43/111
43/112 43/113 43/129 43/129P 43/132.1 43/132.100S 514/875
514/876 514/919



Family:

Publication number	Publication date	Application number	Application date
JP2008539790 T2	20081120	JP20080512517T	20060518
US2006260183 AA	20061123	US20060436876	20060518
US7988984 BB	20110802	US20060436876	20060518
WO06125115 A2	20061123	WO2006US19323	20060518
WO06125115 A3	20080117	WO2006US19323	20060518

Priority:

US20050682293P 20050518 US20060436876 20060518 WO2006US19323 20060518

Probable Assignee: ENERGY RELATED DEVICES INC

Assignee(s): (std): ENERGY RELATED DEVICES INC ; HOCKADAY ROBERT G

Inventor(s): (std): HOCKADAY ROBERT G

Inventor(s): HOCKADAY ROBERT

Agent(s): JAMES C WRAY; JAMES CREIGHTON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE

96) Family number: 11849982 (US4918857A)

© PatBase

Title: Pest collection and disposal device

Abstract: A pest collection-disposal device includes a means for establishing an air stream in an air duct forming at least a segment of a housing for the device. Positioned in the duct is a disposable pest collection cartridge. The cartridge comprises an elongated body having a flexible closure means and a filter means. The closure means deflects under the influence of an air stream from a closed position to provide an entrance thereto for insects entrained in the air stream. The filter means separates insects from the air stream. Upon termination of air flow, the flexible closure member is restored to an initial position to entrap the pest between the flap and filter means. The duct in one embodiment includes an expandable and retractable array of elongated telescoping members. In a further embodiment, the cartridge is positioned in one of the elongated duct members.

Classifications:

International (IPC 8-9): A01M1/06 A01M3/00 (Advanced/Invention);
A01M3/00 (Advanced/Non-invention);
A01M1/00 A01M3/00 (Core/Invention);
A01M (Subclass/Invention)

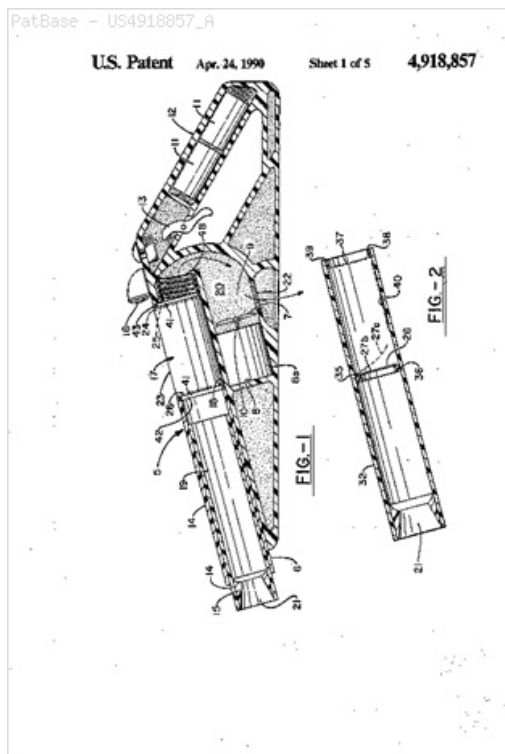
International (IPC 1-7): A01M1/00 A01M1/06 A01M3/00 A47L5/24

CPC: A01M1/06 A01M3/005 A01M2200/012

European: A01M1/06 A01M3/00 A01M3/00G K01M200/012

K01M201/02

US: 15/330 15/344 15/402 15/415.1 15/415R 43/134 43/139 43/140



Family:

Publication number	Publication date	Application number	Application date
AU198822103 A1	19890316	AU19880022103	19880909
AU601621 B2	19900913	AU19880022103	19880909
BRPI8804695 A	19890418	BR1988PI04695	19880912
CA1327448 A1	19940308	CA19880576945	19880909
CN1039699 A	19900221	CN19891001486	19890314
EP0307240 A1	19890315	EP19880308374	19880909
JP2109932 A2	19900423	JP19880226320	19880909
MX172471 B	19931217	MX19880012975	19880909
US4918857 A	19900424	US19880225046	19880727
US5175960 A	19930105	US19890398338	19890824
US5402598 A	19950404	US19930120181	19930913
ZA8806762 A	19890830	ZA19880006762	19880909

Priority:

US19870096371 19870911 US19880225046 19880727 CA19880576945 19880909
US19890398338 19890824 US19920821352 19920115 US19930120181 19930913

Probable Assignee: BILOU INC

Assignee(s): (std): BILOU INC ; BILOU INCC ; BIRUU INC ; WADE BILL R ; WADE THELMA L

Assignee(s): WADE THELMA LOU ; WADE BILL RAY

Inventor(s): (std): WADE BILL R ; WADE THELMA L ; BILL RAY WADE ; THELMA LOU WADE ; BIRU AARU UEIDO ; TERUMA ERU UEIDO ; WADE THELMA LOU ; WADE BILL RAY

Agent(s): COLLISON AND CO; BLAKE CASSELS AND GRAYDON LLP

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

97) Family number: 30090984 (US2002004942A)

© PatBase

Title: BIOLUMINESCENT NOVELTY ITEMS

Abstract: Novelty items that are combinations of articles of manufacture with fluorescent proteins are provided. These novelty items, include combinations of transgenic plants that express a luciferase or a luciferin with plant food that contains a

luciferase and a luciferin.

Classifications:

International (IPC 8-9): A01H1/00 A01H5/00 A01K67/027 A23G1/00 A23G3/00 A23G3/36 A23G3/50 A23G9/32 A23G9/36 A23G9/44 A23L1/00 A23L1/03 A23L1/27 A23L1/30 A23L2/00 A23L2/38 A23L2/52 A23L2/58 A23L2/66 A23L29/00 A23P1/04 A24D3/14 A45D34/00 A61C17/02 A61K38/00 A61K47/48 A61K49/00 A61K8/00 A61K8/11 A61K8/14 A61K8/64 A61K8/66 A61K8/96 A61K8/98 A61K8/99 A61K9/127 A61K9/64 A61Q11/00 A61Q19/00 A63H33/22 B05B15/00 B05B17/08 B05B7/04 B05B7/24 B05C17/005 B65D65/38 C05F11/04 C07K14/435 C07K16/28 C09D5/22 C09K11/00 C09K11/07 C11D9/00 C12C12/00 C12C5/04 C12G1/00 C12G3/00 C12G3/02 C12N1/15 C12N1/19 C12N1/21 C12N15/02 C12N15/09 C12N15/10 C12N15/54 C12N15/62 C12N15/82 C12N5/10 C12N9/02 C12P21/08 C12Q1/26 C12Q1/66 C12Q1/68 D06Q1/00 D21H11/00 F21K2/00 F21K2/06 F21K7/00 F21K99/00 F21S10/00 F21S8/00 F21V33/00 F41B9/00 F41C3/00 (Advanced/Invention); A23L1/03 A23L1/30 A23L2/38 A45D34/00 A61K38/00 A61K8/00 A61K8/11 A61K8/14 A61K8/96 A61Q11/00 A61Q19/00 B05B15/00 B65D65/38 C09K11/07 C12G1/00 C12G3/00 C12G3/02 C12N1/15 C12N1/19 C12N1/21 C12N15/02 C12N15/09 C12N5/10 C12P21/08 C12Q1/26 C12Q1/68 D06Q1/00 F41B9/00 (Advanced/Non-invention); A23G3/00 A23G3/34 A23G9/32 A23G9/44 A23L1/00 A23L1/03 A23L1/27 A23L1/30 A23L2/00 A23L2/38 A23L2/52 A23P1/04 A24D3/00 A61K47/48 A61K49/00 A61K8/00 A61K8/11 A61K8/14 A61K8/30 A61K8/96 A61Q11/00 A61Q19/00 A63H33/22 B05B15/00 B05B17/00 B05B7/04 B05B7/24 B05C17/005 B65D65/38 C07K14/435 C07K16/18 C09K11/07 C12C12/00 C12C5/00 C12G1/00 C12G3/00 C12G3/02 C12N1/15 C12N1/19 C12N1/21 C12N15/02 C12N15/09 C12N15/82 C12N5/10 C12N9/02 C12P21/08 C12Q1/26 C12Q1/66 C12Q1/68 D06Q1/00 F21K2/00 F21K99/00 F21S8/00 F21V33/00 F41B9/00 (Core/Invention); A45D34/00 A61K38/00 F21K2/00 (Core/Non-invention)

International (IPC 1-7): A01H5/00 A01K67/00 A23G1/00 A23G3/00 A23G9/02 A23K1/18 A23L1/00 A23L1/03 A23L1/27 A23L1/30 A23L2/00 A23L2/38 A23L2/58 A23L2/66 A61K7/00 A61K7/00 A61K7/021 A61K7/035 A61K7/06 A61K7/075 A61K7/11 A61K7/16 A61K7/26 A61K7/28 A61K9/127 A61K9/64 A63H27/10 A63H33/22 A63H33/30 B05B15/00 B05B17/08 B65D65/38 C07K16/28 C09D5/22 C09K11/07 C11D9/00 C12C12/00 C12C5/04 C12G1/00 C12G3/00 C12G3/02 C12N1/15 C12N1/19 C12N1/21 C12N15/02 C12N15/09 C12N15/10 C12N15/54 C12N15/62 C12N5/10 C12N9/00 C12N9/02 C12P21/06 C12P21/08 C12Q1/26 C12Q1/66 C12Q1/68 D06Q1/00 D21H11/00 F21K2/00 F21K2/06 F21P1/02 F21S10/00 F41A33/00 F41B9/00 F41C3/00 G01N33/53

CPC: Y10S493/955 A23L2/38 A23L2/58 A23V2002/00 A61K8/64 A61Q11/00 A61Q19/00 B05B7/0408 B05B7/2472 C12C12/004 C12C12/006 C12G1/00 C12N9/0071 C12N15/8212 F21S8/00 F21W2131/401 F21V33/0028 F21W2121/02 C12Q1/66 A23G3/366 A23G3/50 A23G9/363 A23G9/44 A24D3/14 A45D34/00 A61K2800/434 B05B7/2416 B05C17/00553 F21K2/00 F21K2/06 A61K38/00 A61K49/0013 C07K14/43595 C07K2319/00 Y10T442/259 A23K20/00 A23K20/189 A23K50/80 A23L17/00 A23L17/30 A23L29/06 A23L29/065 A23P10/30 F41B9/004 A61C5/64 A61K47/6853 A61K47/6867 C12N9/0069 Y02A40/818

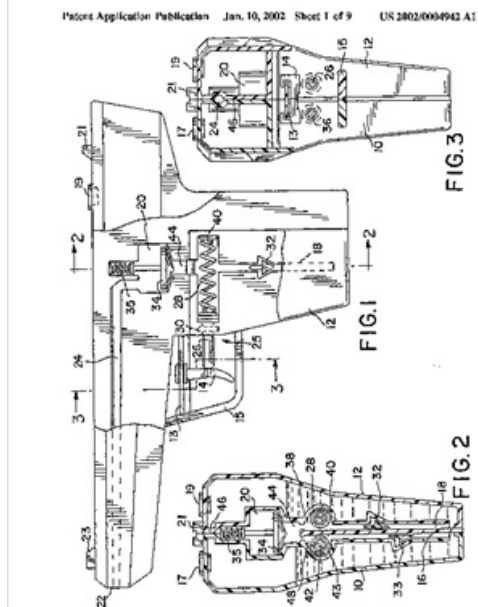
European: A23G3/00 A23G3/00+D2 A23G3/00+H A23G3/36M2 A23G3/50 A23G9/02 A23G9/02+D2 A23G9/02+H A23G9/36M A23G9/44 A23K1/16 A23K1/165B A23K1/18S A23L1/00P4 A23L1/03E A23L1/03M A23L1/325 A23L1/328 A23L2/38 A23L2/58 A23P1/04 A24D3/14 A61K47/48T4B30A A61K47/48T4B30M A61K49/00P4 A61K7/48Z3B2 A61K8/64 A61K8/66 A61Q11/00 A61Q19/00 B05B7/04A B05B7/24A20 B05B7/24A3B B05C17/005F C07K14/435A5 C12C12/00B2 C12C12/00B4 C12G1/00 C12N15/82A8D20 C12N9/00P28 C12N9/00P30 C12Q1/66 F21K2/00 F21K2/06 F21K99/00 F21S8/00 F21V33/00A4B F41B9/00B4D2 K23V2/00 K45D34/00 K61C5/06A2 K61K201/023 K61K38/00 K61K800/434 K61Q11/00 M07K203/00 M07K205/00 M07K207/00 M07K215/00 M07K319/00 M07K319/00E M12N203/00 M12N205/00 M12N207/00 M12N215/00 R21W121/02 R21W131/401

US: 124/74 124/76 162/162 162/162S 222/1 229/87.19 424/52/54S 424/45 424/450 424/450S 424/456 424/456S 424/49 424/63 424/64 424/69 424/70.1 424/70.14 424/70.140S 424/70.6 424/70.7 424/78.02 424/94.4 426/104 426/250 426/262 426/268 426/383 426/422 426/540 426/590 426/592 426/656 426/66 435/183 435/189 435/252.2 435/320.1 435/6 435/6.13 435/69.1 435/8 442/131 442/131S 446/473 493/955 510/119 510/135 510/392 510/481 530/350 800/20 800/20P 800/288 800/288P 800/288S 800/8 800/8P

Family:

Publication number	Publication date	Application number	Application date
AT241109 E	20030615	AT19970905731T	19970203
AT388224 E	20080315	AT19990914203T	19990326
AU199722555 A1	19970828	AU19970022555	19970203
AU199932103 A1	19991018	AU19990032103	19990326
AU200072394 A1	20010524	AU20000072394	20001220
AU200072394 A5	20010524	AU20000072394	20001220
AU754687 B2	20021121	AU20000072394	20001220
AU765703 B2	20030925	AU19990032103	19990326
CA2245594 AA	19980805	CA19972245594	19970203
CA2245594 C	20030415	CA19972245594	19970203
CA2324648 AA	20000926	CA19992324648	19990326
CA2324648 C	20130226	CA19992324648	19990326
DE69722179 D1	20030626	DE19976022179	19970203
DE69938293 D1	20080417	DE19996038293	19990326
DE69938293 D1	20080417	DE19996038293T	19990326
DE69938293 T2	20090312	DE19996038293T	19990326
EP0879383 A2	19981125	EP19970905731	19970203
EP0879383 B1	20030521	EP19970905731	19970203
EP1064360 A2	20010103	EP19990914203	19990326
EP1064360 B1	20080305	EP19990914203	19990326
EP1925320 A2	20080528	EP20080001764	19990326
EP1925320 A3	20080903	EP20080001764	19990326
IL125458 A0	19990312	IL19970125458	19970203
IL125458 A1	20010724	IL19970125458	19970203
JP11504822 T2	19990511	JP19970528610T	19970203
JP2002507410 T2	20020312	JP20000537980T	19990326
JP2009148270 A2	20090709	JP20090000303	20090105
JP4146515 B2	20080910	JP19970528610T	19970203

PatBase - US2002004942_AA



JP4923068 B2 NZ331030 A	20120425 20000929	JP20090000303 NZ19970331030	20090105 19970203
TWI319472 B	20100111	TW19970101241	19970203
US2002004942 AA	20020110	US20010803211	20010308
US2003066096 AA	20030403	US20000729133	20001201
US2006053505 AA	20060309	US20050211039	20050824
US5876995 A	19990302	US19960757046	19961125
US6113886 A	20000905	US19990447208	19991122
US6152358 A	20001128	US19980135988	19980817
US6232107 BA	20010515	US19990277716	19990326
US6247995 BA	20010619	US19960597274	19960206
US6436682 BA	20020820	US20000609161	20000630
WO9729319 A2	19970814	WO1997US01699	19970203
WO9729319 A3	19971211	WO1997US01699	19970203
WO9949019 A2	19990930	WO1999US06698	19990326
WO9949019 A3	20000629	WO1999US06698	19990326
WO9949019 C1	20000908	WO1999US06698	19990326

Priority:

US19960597274	19960206	US19960757046	19961125	AU19970022555	19970203
WO1997US01699	19970203	US19980079624P	19980327	US19980089367P	19980615
US19980135988	19980817	US19980102939P	19981001	EP19990914203	19990326
JP20000537980	19990326	US19990277716	19990326	WO1999US06698	19990326
US19990444762	19991122	US19990447208	19991122	US20000609161	20000630
US20000729133	20001201	AU20000072394	20001220	US20010803211	20010308
US20050211039	20050824				

Probable Assignee: GAUSSIA LLC

Assignee(s): (std): BRUCE BRYAN ; BRUCE J BRYAN ; BRYAN BRUCE ; BRYAN BRUCE J ; PROLUME LTD ; SZENT GYORGYI CHRISTOPHER

Assignee(s): BIOLUME INC ; GAUSSIA LLC

Inventor(s): (std): BRYAN BRUCE J ; SZENT GYORGYI CHRISTOPHER ; BRYAN BRUCE ; BRUCE J BRYAN ; BRUCE BRYAN

Inventor(s): CHRISTOPHER SZENT GYORGYI

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR; BALDOCK SHARON CLAIRE ET AL; BALDOCK SHARON CLAIRE; REINHOLD COHN AND PARTNERS; LARA A NORTHROP PIETRAGALLO BOSICK AND GORDON LLP

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

98) Family number: 32867984 (US2006086823A)

© PatBase

Title: LIGHT-ACTIVATED MIST SPRAYER SYSTEM

Abstract: An automatic mist-sprayer system comprising a control unit having electronic circuitry adapted to activate the sprayer for a predetermined interval in response to a sensed ambient light condition of desired intensity and duration. The system desirably further includes an electrical power supply and a plurality of spaced-apart sprayer heads. A preferred utility for the system of the invention is spraying dilute solutions of insecticide or insect repellent during the periods of significant insect activity that typically occur around dusk and dawn. Manual overrides and a remote receiving unit are also disclosed for use of the system at times other than dusk and dawn.

Classifications:

International (ipc 8-9): A01G27/00 A01M13/00 A01M29/34 A01M7/00 A01M9/00 A62C2/08 B05B1/14 B05B12/00 B05B12/08 B05B17/04 B05B7/32 B05B9/04 B65D83/16 B65D83/28 B65D83/42 B65D83/58 B67D7/08 F23D14/28 (Advanced/Invention);

A01M7/00 B05B12/00 B05B17/04 B05B7/32 B67D5/08 B67D5/14 B67D7/08 B67D7/14 (Advanced/Non-invention);

A01G27/00 A01M7/00 A01M9/00 A62C2/00 B05B1/14 B05B12/00 B05B17/04 B05B7/24 B67D7/08 F23D14/00 (Core/Invention)

CPC: Y10T137/1842 Y10T137/1866 Y10T137/1939 A01M29/34

A01M1/245 B05B12/124 B05B12/12 A01M7/0014 A01M13/00 B05B12/00 B05B12/004 A01G13/06 A01M1/2038 B05B9/035 B05B9/0861 B05B9/0866 B05B17/08 B65D83/262 B65D83/54 A01M7/00 A01M7/0017 A01M7/0032 A01M7/0089 Y10S43/90

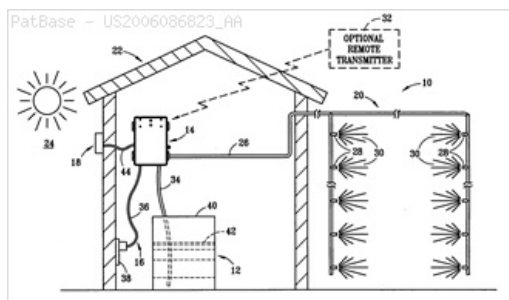
European: A01G13/06 A01M1/20C2H A01M1/24B A01M29/34

B05B12/12 B05B17/08 B05B9/08C1A B65D83/26B L05B9/03B L65D83/54

US: 137/78.1 137/78.2 137/78.5 222/59 239/332 239/337 239/457 239/67 239/67P 239/68 239/69 239/71

Family:

Publication number	Publication date	Application number	Application date
AU2005300087 AA	20060504	AU20050300087	20050801
AU2005300087 BB	20100729	AU20050300087	20050801
AU2008293880 AA	20090305	AU20080293880	20080707
AU2008293880 AH	20100527	AU20080293880	20080707
AU2008293880 BB	20120920	AU20080293880	20080707
BRPI0518212 A	20081104	BR2005PI18212	20050801
CN101808502 A	20100818	CN200880104801	20080707
CN1762607 A	20060426	CN200510087369	20050728
CN1762607 B	20100505	CN200510087369	20050728
EP2182793 A1	20100512	EP20080781431	20080707
EP2182793 A4	20161207	EP20080781431	20080707
EP2182793 B1	20190227	EP20080781431	20080707
JP2011502740 T2	20110127	JP20100522989T	20080707
KR20070072885 A	20070706	KR20077009031	20070420
KR20100080776 A	20100712	KR20107006821	20080707



MX2007004681 A1	20070625	MX20070004681	20050801
MX2010002209 A1	20100601	MX20100002209	20080707
US2006086823 AA	20060427	US20040970778	20041021
US2006086824 AA	20060427	US20050228889	20050915
US2008210772 AA	20080904	US20070847505	20070830
US7306167 BB	20071211	US20040970778	20041021
US8430337 BB	20130430	US20070847505	20070830
WO06046991 A2	20060504	WO2005US26975	20050801
WO06046991 A3	20070412	WO2005US26975	20050801
WO09029337 A1	20090305	WO2008US69312	20080707
WO09029337 A8	20100415	WO2008US69312	20080707

Priority:

US20040970778 20041021 WO2005US26975 20050801 US20050228889 20050915
US20070847505 20070830 WO2008US69312 20080707

Probable Assignee: OUTDOOR SOLUTIONS INC

Assignee(s): (std): BOESCH DEVEZE WILLIAM PIERRE ; COLARUSSO JOSEPH T ; COLARUSSO JOSEPH THOMAS ; KIPPLINGER DALE V ; NCH CORP ; NCH CORPORATIO ; NHC CORP ; PAULSON MICHAEL L ; PEARCE ROBERT C III ; ROHEIM JOHN RAY ; PEARCE ROBERT CLARENCE ; WILLIAM BOESCH DEVEZE ; PEARCE ROBERT CLARENCE III ; PEARCE III ROBERT CLARENCE ; OUTDOOR SOLUTIONS INC

Inventor(s): (std): COLARUSSO JOSEPH THOMAS ; KIPPLINGER DALE VILMER ; PAULSON MICHAEL LEE ; PEARCE ROBERT CLARENCE III ; LEE PAULSON MICHAEL ; VILMER KIPPLINGER DALE ; CLARENCE PEARCE ROBERT III ; RAY ROHEIM JOHN ; PIERRE BOESCH DEVEZE WILLIAM ; THOMAS COLARUSSO JOSEPH ; CLARENCE PEARCE ROBERT ; ROHEIM JOHN ; PEARCE ROBERT C III ; PAULSON MICHAEL L ; KIPPLINGER DALE V ; COLARUSSO JOSEPH T ; PEARCE ROBERT CLARENCE ; BOESCH DEVEZE WILLIAM PIERRE ; ROHEIM JOHN RAY ; CLARENCE COLARUSSO JOSEPH THOM ; PEARCE III ROBERT CLARENCE

Inventor(s): COLARUSSO JOSEPH THOMAS KIPPLINGER DALE VILMER ; ROBERT CLARENCE PEARCE III ; COLARUSSO JOSEPH THOMAS KIPPLINGER DALE VILMER PAUL ; PEARCE ROBERT CIII ; ROBERT CLARENCE PEARCE ; WILLIAM PIERRE BOESCH DEVEZE ; JOHN RAY ROHEIM ; KIPPLINGER DALE ; PAULSON MICHAEL ; COLARUSSO JOSEPH ; PEARCE ROBERT ; COLARUSSO JOSEPH THOMAS KIPPLINGER DALE VILMER PAULSON MICHAEL LEE PEARCE ROBERT CLARENCE III ; MICHAEL LEE PAULSON ; JOSEPH THOMAS COLARUSSO ; ROBERT CLARENCE III PEARCE ; DALE VILMER KIPPLINGER

Agent(s): DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE; SPRUSON AND FERGUSON; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER ANWALTSSOZIETAET; PATENTGRUPPEN A S; MARUYAMA TOSHIYUKI; LOCKE LIDDELL AND SAPP LLP, ATTN: SUE COTT; LOCKE LIDDELL AND SAPP LLP ATTN SUE COTT; LOCKE LORD BISSELL AND LIDDELL LLP ATTN MICHAEL RITCHIE DOCKETING; LOCKE LORD BISSELL AND LIDDELL LLP; ROSS BARNES LLP; MONTY L; ROBIN L; ROSS MONTY L

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 LI 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 YU ZA ZM ZW

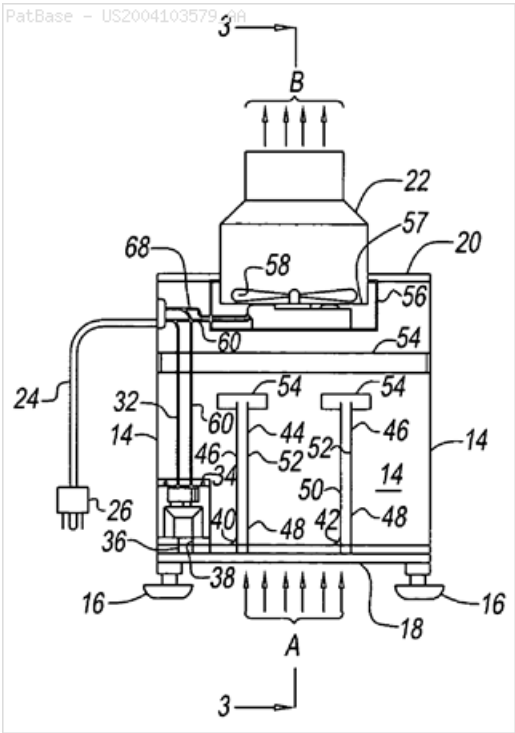
99) Family number: 30614999 (US2004103579A) © PatBase

Title: Generation of gaseous product for insect attraction

Abstract: An improved method for providing an insect-attracting gaseous product to an insect trap is provided by using an ozone-producing unit and activated carbon so that ozone produced in the unit from air or oxygen contacts the activated carbon, producing an insect-attracting gaseous product, which insect-attracting gaseous product can be fed to an insect trap. The insect-attracting gaseous product of the invention exceeds the effectiveness of carbon dioxide alone in attracting insects. An insect trap is placed in fluid communication with the output of such a unit producing an insect-attracting gaseous product to provide an effective insect trap.

Classifications:

International (IPC 8-9): A01M1/02 A01M1/06 A01M1/20 A01M1/22 (Advanced/Invention)
International (IPC 1-7): A01M1/02 A01M1/20 A01M1/22
CPC: A01M1/023 A01M1/2016 A01M1/223 A01M2200/012
European: A01M1/02B A01M1/02C A01M1/20A1 A01M1/20B A01M1/20B2 A01M1/22 A01M1/22B K01M200/012 K01M201/02
US: 43/107 43/107S 43/112 43/112P 43/139 43/139S



Family:

Publication number	Publication date	Application number	Application date
TW200418374 A	20041001	TW20030133859	20031202
US2004103579 AA	20040603	US20030723421	20031126
US2006042155 AA	20060302	US20050185586	20050720

Priority:

US20020430323P 20021202 US20030723421 20031126 US20050185586 20050720

Probable Assignee: BIOSENSORY INC

Assignee(s): (std): BIOSENSORY INC ; NOLEN JAMES A

Assignee(s): GOWU MENSAH ALBERT KWAME

Inventor(s): (std): GAWU MENSAH ALBERT KWAME ; GOWU MENSAH ALBERT KWAME ; NOLEN JAMES A

Inventor(s): NOLEN JAMES

Agent(s): NORMA E HENDERSON HINCKLEY ALLEN AND SNYDER LLP

100) Family number: 71451999 (US2018288993A)

© PatBase

Title: PACKAGED STEALTHY MOSQUITO TRAP

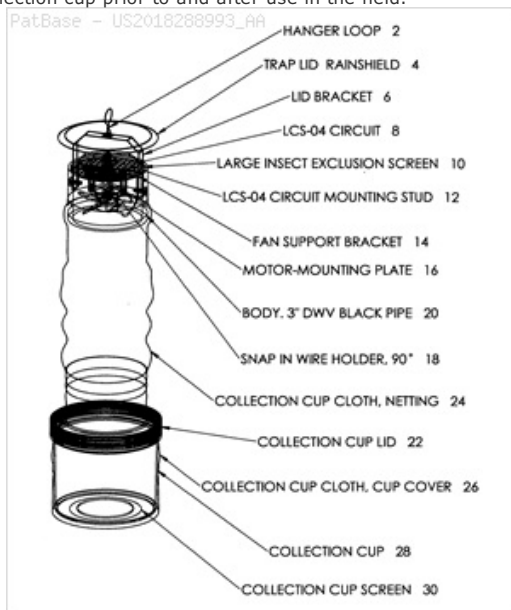
Abstract: A mosquito trap having a motor and fan to draw ambient air radially into the trap with the airflow going downwards through a large insect exclusion screen into and through a collection cup cloth netting and into and through a collection cup and through a second screen at the bottom of the collection cup. In preferred embodiments all of the other components of the trap can be easily and compactly stored in the collection cup prior to and after use in the field.

Classifications:

International (IPC 8-9): A01M1/04 A01M1/06

A01M1/10 (Advanced/Invention)

CPC: A01M1/106 A01M2200/012 A01M1/04 A01M1/06 Y02A50/371



Family:

Publication number	Publication date	Application number	Application date
US2018288993 AA	20181011	US20170731017	20170406

Priority:

US20170731017 20170406

Probable Assignee: JOHN W HOCK CO

Assignee(s): (std): FOCKS DANA A ; JOHN W HOCK CO

Inventor(s): (std): FOCKS DANA A