

Search history

Search 1: FT=(BASKING~ AND HEATER~) (Results 2688)
Search 2: FT=(BASKING~ AND HEATER~ AND REPTILES) AND IC=(H05B) (Results 3)
Search 3: FT=(BASKING~ AND HEATER~ AND ANIMAL HABITAT) (Results 1)
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Search 5: H05B (Results 628)
Search 6: 4 and 5 (Results 0)
Search 7: FT=(HEATER~ AND ANIMAL HABITAT OR TERRARIUM) (Results 402)

Title: METHOD FOR CONSTRUCTING ENCLOSURES INTENDED FOR BIOLOGY AND FOR AMENITIES

Abstract: The invention relates to a method making it possible to form, simply, as a construction kit, enclosures intended for the presentation and the looking-after of plants, and the observing and raising of small animals. An end plate 1 is used provided with a peripheral groove 6 for fitting panels 2, 2', 2'' having specific functions, such as insulation-ventilation, lighting, **heating**, viewing, or culture-medium container. This end plate comprises two holes 4 enabling the enclosure to be hung up by means of a traversing bar 7, for example; two holes 5 for ensuring the outflow of excess liquid; and two bearing studs 3. The enclosure thus constructed forms a shell, the walls of which meet the requirements of the use.

Classifications:

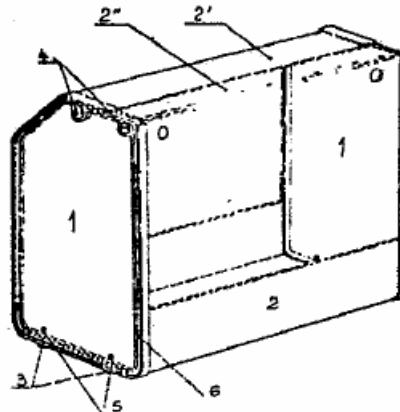
International (IPC 8-9): A01G9/00 A01K63/00 (Advanced/Invention);
A01G9/00 A01K63/00 (Core/Invention)

International (IPC 1-7): A01G9/02 A01K1/035 A47G7/02

CPC: A01G9/00 A01K63/003

European: A01G9/00 A01K63/00A

PatBase - FR2615352_A1



Family:

Publication number	Publication date	Application number	Application date
FR2615352 A1	19881125	FR19870007227	19870522

Priority:

FR19870007227 19870522

Probable Assignee: FERMIGIER LUC

Assignee(s): (std): FERMIGIER LUC

Inventor(s): (std): FERMIGIER LUC ; TENNESON NICOLE

Inventor(s): LUC FERMIGIER ; NICOLE TENNESON

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR2615352 A1	19881125	LSPB	+	published / reissued	

Title: Surface **heater** for **terrariums**

Abstract: Surface **heater** for **terrariums**. It consists of a surface itself, which is composed by a sheet that can have resistances formed by bands composed of a graphite and binding briquette, so that they both constitute several resistances; it has at least two general operation stages corresponding to a general operation part and a reinforcement part. The reinforcement resistances are wider and form a small number of groups. Those corresponding to the general operation conveniently have a large number of narrower groups. It has a manual or automatic activation switch that is selective, with a light indicator and can be equipped with a thermostat or light activated. Applicable to the manufacture, resistance, and resistances for **heating terrariums**.

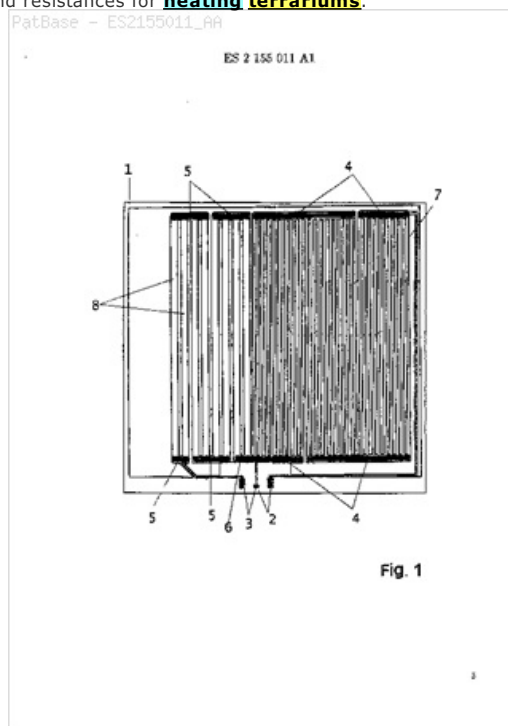
Classifications:

International (IPC 8-9): A01K63/06 F24D13/02
H05B3/20 (Advanced/Invention)

International (IPC 1-7): A01K63/06 A46B7/04 F24D13/02 H05B3/20

CPC: A01K63/065

European: A01K63/06A



Family:

Publication number	Publication date	Application number	Application date
ES2155011 AA	20010416	ES19990000416	19990301
ES2155011 BA	20011101	ES19990000416	19990301

Priority:

ES19990000416 19990301

Probable Assignee: REPTITROPIC S L

Assignee(s): (std): REPTITROPIC S L

Assignee(s): REPTITROPIC SL

Inventor(s): (std): BONAFE GARCIA SEVERINO ; MOLINERO MANRIQUE FERNANDO ; SANTIBANEZ PEREZ REMIGIO JOSE ; VEGA GIL FERNANDO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
ES2155011 AA	20010416	LSPB	+	published / reissued	
ES2155011 AA	20010416	LSSES	+EC2A	SEARCH REPORT PUBLISHED	DATE OF REF DOCUMENT : 20010416 KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) : EFFECTIVE DATE : 20010416
ES2155011 BA	20011101	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2155011 BA	20040716	LSLE	-FD1A	PATENT LAPSED	EFFECTIVE DATE : 20040601
ES2155011 BA	20190301	PEXP		Calculated Patent Term Expiry	

Title: **TERRARIUM** CONSISTING OF POLYURETHANE FOAM FOR KEEPING REPTILES, AMPHIBIANS, DISPLAY INSECTS AND THE LIKE INCORPORATES A FRONT WALL FORMED BY AN UPTURNED FRONT EDGE AND MOVABLE GLASS PANE

Abstract: The **terrarium** consisting of polyurethane foam for keeping reptiles, amphibians, display insects and the like has a rectangular plan view, and incorporates a front wall formed by an upturned front edge and movable glass pane. Ventilation of the **terrarium** takes place through its side wall apertures.

Classifications:

International (IPC 8-9): A01K63/00 (Advanced/Invention);
A01K63/00 (Core/Invention)

International (IPC 1-7): A01K63/00

CPC: A01K63/003

European: A01K63/00A

Family:

Publication number	Publication date	Application number	Application date
 DE202004006120 U1	20040805	DE200420006120U	20040415

Priority:

DE200420006120U 20040415

Probable Assignee: EXOTERRA LEONHARD SCHAUDI GMBH

Assignee(s): (std): EXOTERRA LEONHARD SCHAUDI GMBH

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202004006120 U1	20040805	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202004006120 U1	20040909	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20040909
DE202004006120 U1	20070802	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20070524
DE202004006120 U1	20100722	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	EFFECTIVE DATE : 20100519
DE202004006120 U1	20120507	LSGT	+R152	TERM OF PROTECTION EXTENDED TO 10 YEARS	
DE202004006120 U1	20120628	LSGT	+R152	TERM OF PROTECTION EXTENDED TO 10 YEARS	EFFECTIVE DATE : 20120507
DE202004006120 U1	20140501	LSLE	-R071	EXPIRY OF RIGHT	
DE202004006120 U1	20140415	PEXP		Calculated Patent Term Expiry	

Title: GRAVITY POWER AND DESALINATION TECHNOLOGY SYSTEM

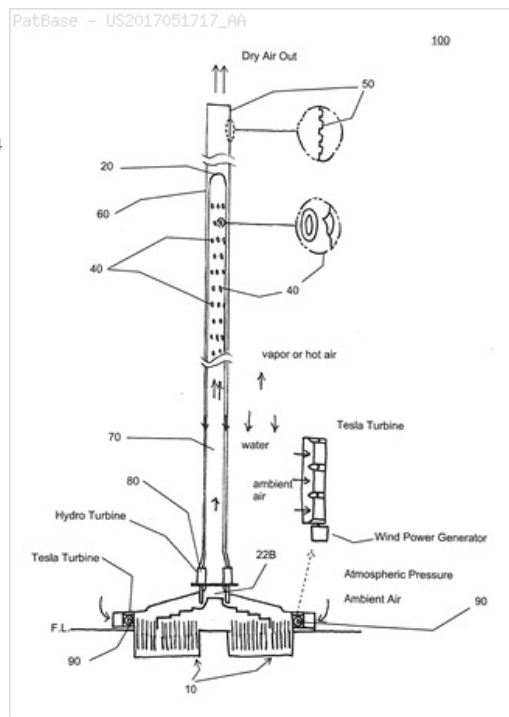
Abstract: A gravity power and desalination technology system is provided, including a **heat** storage apparatus, an inner tube portion, a hot-air and vapor generator, and venting holes, a corrugated tube portion, an outer tube portion, an updraft wind power generator, and an artificial hydro power generator. The **heat** storage apparatus is provided in a lower portion and configured. The inner tube portion has an inner vent portion inside and disposed vertically over the **heat** storage apparatus. The hot-air and vapor generator is disposed between the **heat** storage apparatus and the inner tube portion. The venting holes are bored through the inner tube portion obliquely outwards. The corrugated tube portion is provided on a top portion of the outer tube portion. The updraft wind power generator and the artificial hydro power generator are installed in the lower portions of the inner vent portion and the outer vent portion, respectively.

Classifications:

International (IPC 8-9): B01D1/00 B01D1/10 B01D3/34 B01D5/00 C02F1/04 C02F1/14 F03B17/06 F03D9/00 H02K7/18 (Advanced/Invention); C02F1/04 C02F103/08 F03D9/35 (Advanced/Non-invention)

CPC: F03B17/061 H02K7/1823 B01D1/0011 B01D5/006 B01D1/10 F05B2220/32 F05B2220/706 C02F2103/08 C02F1/047 B01D1/0064 B01D3/346 B01D5/0012 B01D5/0033 B01D5/0039 B01D5/0081 C02F1/14 F03D9/35 Y02A20/128 Y02A20/129 Y02A20/141 Y02A20/142 Y02A20/212 Y02E10/28 Y02E10/465 Y02P70/34 F03B13/00 F05B2210/18 F05B2220/62 F05B2240/912

US: 290/52



Family:

Publication number	Publication date	Application number	Application date
US2017051717 AA	20170223	US20160241465	20160819
US10060410 BB	20180828	US20160241465	20160819

Priority:

US20150208543P 20150821 US20160241465 20160819

Probable Assignee:

KIM DONGHO

Assignee(s): (std):

KIM DONGHO

Inventor(s): (std):

KIM DONGHO

Agent(s):

PARK JOHN K; PARK LAW FIRM

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US10060410 BB	20180828	LSGT	+	granted / extensions (spc, cpc, pte)	
US10060410 BB	20180808	LSGT	PAT1	Patented Case	
US10060410 BB	20360925	PEXP		Calculated Patent Term Expiry (PTA 37 days)	
US2017051717 AA	20170223	LSPB	+	published / reissued	
US2017051717 AA	20171010	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017051717 AA	20171012	LSES	NFA1	Non Final Action Mailed	
US2017051717 AA	20180124	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017051717 AA	20180323	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017051717 AA	20180808	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED

Title: Coating compound made of an agent which generates SiO₂ with at least two antibacterial agents

Abstract: Source: EP1825752A3 [DE] Offenbart wird eine Beschichtungszusammensetzung, aus einem SiO₂-erzeugende Mittel, wobei die Beschichtungszusammensetzung 0,1 bis 50 Gew.-percent bezogen auf die Gesamtzusammensetzung, wenigstens eines antibakteriellen Wirkstoffs in Form von (a) kationischen, anionischen oder nichtionischen deacetylierten Chitosanen und Chitosanderivaten und/oder (b) Phenolen der Gruppe der halogenierten Dihydroxydiphenylmethane, -sulfide, und -ether und / oder (c) substituierten quaternären Ammoniumsalzen der alkylierten Phosphorsäure enthaelt, wobei der Wirkstoff ausgewaehlt ist aus wenigstens 2 Verbindungen aus den vorgenannten Klassen (a) bis (c), ihre Herstellung und Anwendung, hiermit beschichtete Erzeugnisse und ein Anwendungsset mit der Beschichtungszusammensetzung.

Classifications:

International (IPC 8-9): A01N25/08 A01N31/14 A01N33/12 A01N43/16
A01P1/00 C09D105/08 C09D183/04 C09D5/14
C09D5/16 (Advanced/Invention);
A01N25/00 A01N25/08 A01N31/00 A01N33/00 A01N43/00 A01N43/02
A01P1/00 C09D105/00 C09D183/04 C09D5/00 C09D5/14
C09D5/16 (Core/Invention)

CPC: C09D5/1606 A01N25/08

European: A01N25/08 C09D5/16C

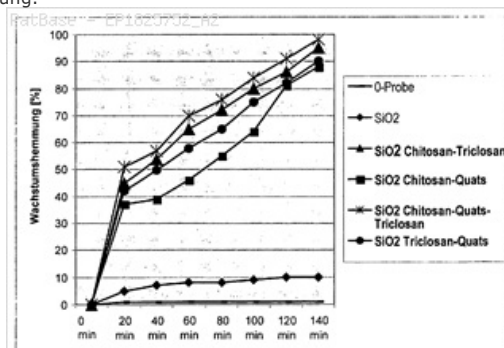


Fig. 4

Family:

Publication number	Publication date	Application number	Application date
AT448687 E	20091215	AT20070003274T	20070216
CY1112586 T1	20160210	CY20101100161T	20100218
DE102006008535 A1	20070830	DE200610008535	20060222
DE502007002000 D1	20091231	DE200750002000T	20070216
DK1825752 T3	20100412	DK20070003274T	20070216
EP1825752 A2	20070829	EP20070003274	20070216
EP1825752 A3	20080813	EP20070003274	20070216
EP1825752 B1	20091118	EP20070003274	20070216
ES2338592 T3	20100510	ES20070003274T	20070216
PT1825752 T	20100308	PT20070003274T	20070216
SI1825752 T1	20100430	SI20070030169T	20070216

Priority:

DE200610008535 20060222 EP20070003274 20070216

Probable Assignee: STIFTUNG NANO INNOVATIONS FOR

Assignee(s): (std): STIFTUNG NANO INNOVATIONS FOR ; STIFTUNG NANO INNOVATIONS FOR A BETTER LIVING

Assignee(s): STIFTUNG NANO INNOVATIONS FOR A BETTER LIVING OLTE ; STIFTUNG NANO INNOVATIONS FOR A BETTER LIVING OLTEN

Inventor(s): (std): JURGENS RALF ; SCHWINDT SASCHA ; JUERGENS RALF

Inventor(s): SASCHA SCHWINDT ; RALF JUERGENS

Agent(s): SIECKMANN RALF

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO RS SE SI SK TR YU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT448687 E	20091215	LSGT	+	granted / extensions (spc, cpc, pte)	
AT448687 E	20270216	PEXP		Calculated Patent Term Expiry	
CY1112586 T1	20160210	LSGT	+	granted / extensions (spc, cpc, pte)	
DE102006008535 A1	20070830	LSPB	+	published / reissued	
DE102006008535 A1	20070830	LSES	+OM8	SEARCH REPORT AVAILABLE AS TO PARAGRAPH 43 LIT. 1 SENTENCE 1 PATENT LAW	
DE102006008535 A1	20130516	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	EFFECTIVE DATE : 20130128

DE102006008535 A1	20151204	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS	
DE102006008535 A1	20160112	LSRV	-R003	REFUSAL DECISION NOW FINAL	
DE502007002000 D1	20101209	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DK1825752 T3	20100412	LSGT	+	granted / extensions (spc, cpc, pte)	
DK1825752 T3	20270216	PEXP		Calculated Patent Term Expiry	
EP1825752 A2	20070829	LSPB	+	published / reissued	
EP1825752 A2	20160331	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20160223 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20160203 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20160208 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160218 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160223 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20160205 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 10
EP1825752 A2	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160222

					YEAR OF FEE PAYMENT : 10
EP1825752 A3	20081210	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20081029
EP1825752 A3	20090225	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20090127
EP1825752 A3	20090311	LSSES	+R17C	FIRST EXAMINATION REPORT DESPATCHED (CORRECTED)	EFFECTIVE DATE : 20090209
EP1825752 A3	20090422	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT : BE COUNTRY OF REF DOCUMENT : BG COUNTRY OF REF DOCUMENT : CH COUNTRY OF REF DOCUMENT : CY COUNTRY OF REF DOCUMENT : CZ COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : DK COUNTRY OF REF DOCUMENT : EE COUNTRY OF REF DOCUMENT : ES COUNTRY OF REF DOCUMENT : FI COUNTRY OF REF DOCUMENT : FR COUNTRY OF REF DOCUMENT : GB COUNTRY OF REF DOCUMENT : GR COUNTRY OF REF DOCUMENT : HU COUNTRY OF REF DOCUMENT : IE COUNTRY OF REF DOCUMENT : IS COUNTRY OF REF DOCUMENT : IT COUNTRY OF REF DOCUMENT : LI COUNTRY OF REF DOCUMENT : LT COUNTRY OF REF DOCUMENT : LU COUNTRY OF REF DOCUMENT : LV COUNTRY OF REF DOCUMENT : MC COUNTRY OF REF DOCUMENT : NL COUNTRY OF REF DOCUMENT : PL COUNTRY OF REF DOCUMENT : PT COUNTRY OF REF DOCUMENT : RO COUNTRY OF REF DOCUMENT : SE COUNTRY OF REF DOCUMENT : SI COUNTRY OF REF DOCUMENT : SK COUNTRY OF REF DOCUMENT : TR
EP1825752 A3	20090617	LSRE	RTI1	TITLE (CORRECTION)	TEXT : COATING COMPOUND MADE OF AN AGENT WHICH GENERATES SiO2 WITH AT LEAST TWO ANTIBACTERIAL AGENTS
EP1825752 B1	20091118	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1825752 B1	20091118	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP1825752 B1	20091130	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP

EP1825752 B1	20091209	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1825752 B1	20100317	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP1825752 B1	20100322	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20100400399 COUNTRY OF REF DOCUMENT : GR
EP1825752 B1	20100323	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : RO REF LEGAL EVENT CODE : EPE
EP1825752 B1	20100414	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP1825752 B1	20100430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100318
EP1825752 B1	20100510	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2338592 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP1825752 B1	20100531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20091118
EP1825752 B1	20100928	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E007910 COUNTRY OF REF DOCUMENT : HU
EP1825752 B1	20101027	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20100819
EP1825752 B1	20110531	LSRE	+PGRI	PATENT REINSTATED IN CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT REINSTATED DATE : 20110501
EP1825752 B1	20130415	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 448687 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20120216
EP1825752 B1	20130628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : AT

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20120216
EP1825752 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE PAYMENT DATE : 20140219 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO PAYMENT DATE : 20140210 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20140219 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT PAYMENT DATE : 20140204 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG PAYMENT DATE : 20140219 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC PAYMENT DATE : 20140224 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20140220 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140530	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI PAYMENT DATE : 20140204 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140530	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20140219 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140530	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20140218 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140530	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20140218 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20140210 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV PAYMENT DATE : 20140220 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20140829	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY PAYMENT DATE : 20140206 YEAR OF FEE PAYMENT : 8

EP1825752 B1	20141128	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20140211 YEAR OF FEE PAYMENT : 8
EP1825752 B1	20150825	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : PT REF LEGAL EVENT CODE : MM4A TEXT : LAPSE DUE TO NON-PAYMENT OF FEES EFFECTIVE DATE : 20150817
EP1825752 B1	20150925	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MM4D EFFECTIVE DATE : 20150216
EP1825752 B1	20150929	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : EUG
EP1825752 B1	20151015	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : EE REF LEGAL EVENT CODE : MM4A REF DOCUMENT NUMBER : E004108 COUNTRY OF REF DOCUMENT : EE EFFECTIVE DATE : 20150228
EP1825752 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150302
EP1825752 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150216
EP1825752 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150216
EP1825752 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150228
EP1825752 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150930
EP1825752 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150216
EP1825752 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150216
EP1825752 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

LAPSED DATE : 20150817					
EP1825752 B1	20151105	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : ML REF DOCUMENT NUMBER : 20100400399 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20150902
EP1825752 B1	20151127	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20151030
EP1825752 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150217
EP1825752 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150902
EP1825752 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150217
EP1825752 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150217
EP1825752 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150216
EP1825752 B1	20151130	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SI REF LEGAL EVENT CODE : K000 EFFECTIVE DATE : 20151023
EP1825752 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150302
EP1825752 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150216
EP1825752 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170221 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170222 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK

				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	PAYMENT DATE : 20170222 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170223 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20170210 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170221 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170220 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20170220 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20170220 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20170207 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170220 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170217 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20170209 YEAR OF FEE PAYMENT : 11
EP1825752 B1	20180330	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20180221 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180330	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20180221 YEAR OF FEE PAYMENT : 12

EP1825752 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20180221 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ PAYMENT DATE : 20180206 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180221 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180221 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180322 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180221 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20180206 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20180220 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20180221 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180221 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20180214 YEAR OF FEE PAYMENT : 12
EP1825752 B1	20270216	PEXP		Calculated Patent Term Expiry	
ES2338592 T3	20100510	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2338592 T3	20270216	PEXP		Calculated Patent Term Expiry	
PT1825752 T	20100308	LSGT	+	granted / extensions (spc, cpc, pte)	
PT1825752 T	20270216	PEXP		Calculated Patent Term Expiry	

SI1825752 T1	20100430	LSGT	+	granted / extensions (spc, cpc, pte)
SI1825752 T1	20270216	PEXP		Calculated Patent Term Expiry

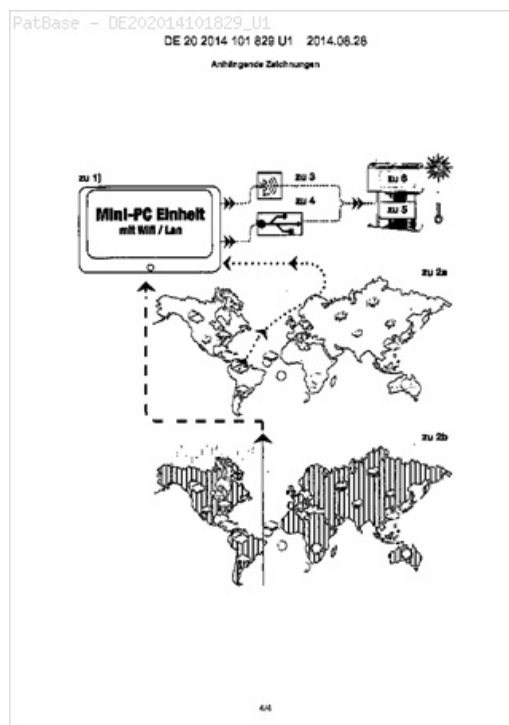
Title: REALE LIVE WETTER BELEUCHTUNG FUER AQUARIUM UND **TERRARIUM**

Abstract: Source: DE202014101829U1 [DE] Steuerung fuer ein Aquarium oder **Terrarium**, wobei die Steuerung eingerichtet ist zum: - Erfassen von ortsabhaengigen, sich auf eine Ortsangabe beziehenden Echt-Wetterdaten aus dem Internet und Speichern der Wetterdaten; und - Verarbeiten der erfassten Wetterdaten und Ausgeben von Daten zum Steuern einer Lichteinheit und optional einer Temperatureinheit.

Classifications:

International (IPC 8-9): A01K63/06 (Advanced/Invention)

CPC: A01K63/06 A01K63/065



Family:

Publication number	Publication date	Application number	Application date
DE102013007372 A1	20141106	DE201310007372	20130422
DE102013007372 B4	20170302	DE201310007372	20130422
DE202014101829 U1	20140828	DE201420101829U	20140416

Priority:

DE201310007372 20130422 DE201420101829U 20140416

Probable Assignee: BERNHARDT BJOERN

Assignee(s): (std): BERNHARDT BJOERN

Assignee(s): BERNHARDT

Inventor(s): (std): BERNHARDT BJOERN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE102013007372 A1	20141106	LSPB	+	published / reissued	
DE102013007372 A1	20130506	LSSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102013007372 A1	20140311	LSSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102013007372 A1	20140313	LSSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102013007372 A1	20161108	LSSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102013007372 A1	20161117	LSGT	+R018	GRANT DECISION BY EXAMINATION SECTION/EXAMINING DIVISION	
DE102013007372 B4	20170302	LSGT	+	granted / extensions (spc, cpc, pte)	
DE102013007372 B4	20171205	LSGT	+R020	PATENT GRANT NOW FINAL	
DE102013007372 B4	20330422	PEXP		Calculated Patent Term Expiry	

DE202014101829 U1	20140828	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202014101829 U1	20140828	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20140828
DE202014101829 U1	20170430	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	
DE202014101829 U1	20170430	LSLE	-R153	EXTENSION OF TERM OF PROTECTION RESCINDED	
DE202014101829 U1	20170510	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	
DE202014101829 U1	20170907	LSLE	-R153	EXTENSION OF TERM OF PROTECTION RESCINDED	
DE202014101829 U1	20171103	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	
DE202014101829 U1	20240416	PEXP		Calculated Patent Term Expiry	

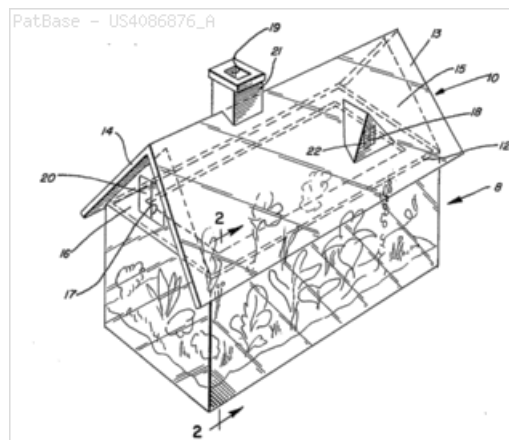
Abstract: A unique cover is provided for connecting an aquarium to provide effective regulation of the environment therein whereby the structure may serve as a **terrarium**. The cover includes a cover member which is adapted to overlie a typical aquarium tank or vessel, and a continuous frame support member extending around the periphery of the cover member and adapted to abut with the tank when the cover is in place. The cover member is provided with at least one opening, into which ventilation control pieces are positioned. The ventilating pieces may be selectively adjusted to control the ventilation of the aquarium or **terrarium**. The support member, being continuous, provides a substantially moisture impermeable seal with the tank when the cover is in position.

A01K63/00 (Core/Invention)

CPC: A01K63/003

European: A01K63/00A

US: 119/246 119/5 47/69



Publication number	Publication date	Application number	Application date
US4086876 A	19780502	US19760707201	19760721

US19760707201 19760721

Probable Assignee: MOORE LEON

Assignee(s): (std): MOORE LEON ; SMITH JR GEORGE E

Inventor(s): (std): MOORE LEON ; SMITH JR GEORGE E

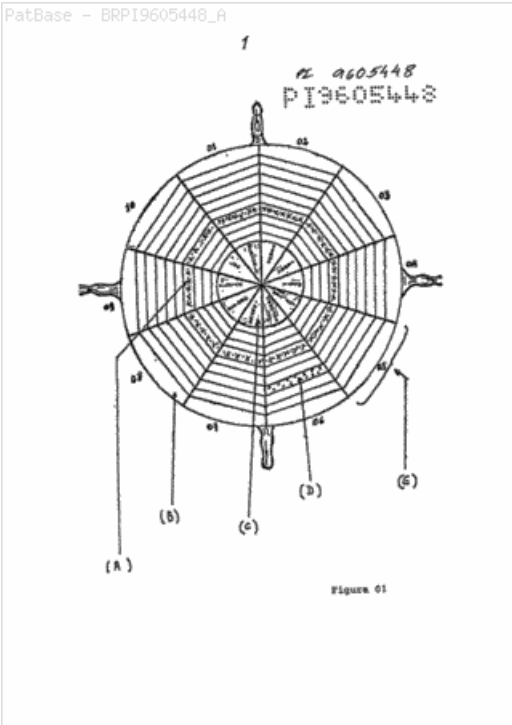
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Patent	Date recorded	Event group	Code	Event	Details
US4086876 A	19780502	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Jogo multiplo existencial esoterico Multiple existential game esoterico (Machine translation)

Abstract: Source: BRPI9605448A [PT] [Source: Claim 1] 1) "Jogo Multiplo Existencial Esoterico" o qual, atraves de um tabuleiro, dados, carteias, cartas, pecas e manuais, possibilita a realizacao de ate quatro jogos diferentes, sendo o jogo caracterizado por. um tabuleiro com figura circular representando um leme, formado por dez setores ou "cones" (E), cujos vertices (C), com coloracoes diferenciadas, definem um circulo central no leme, apresentando os "cones"linhas paralelas entre si, formando nove figuras trapezoidais (D) que, em continuidade lateral, formam nove aneis concentricos (A), cada "vertice" correspondendo a cada um dos planetas do sistema solar e mais a Lua; cada um dos "aneis" (A) correspondendo a assuntos ou "titulos",cada figura trapezoidal (D) correspondendo a um dos noventa "temas"propostos sob os nove "titulos", "Fichas de numeros", de forma e em numero correspondente as figuras trapezoidais (D), cada uma delas dividida em tres partes, as partes laterais contendo numeros associados a cinco cores diferentes e a parte central, varia, contendo apenas a cor de um dos "vertices" (C), cada ficha contendo ainda o nome do seu "tema"no verso; "Capas Perfuradas", em numero de vinte, correspondentes a cada lateral dos "cones" (E), com vinte e cinco perfuracoes cada, tendo, cada par de "capas", a cor de um dos "cones", Carteias de "Bingo Vida", em numero de dez, contendo uma serie inferior de numeros de dois a doze, e uma serie superior, de doze a quarenta e oito; "Cartas de Orientacao" correspondendo a cada um dos "temas", apresentando nove tipos possiveis de reacao a cada "tema"; "Mapa"contendo a relacao dos dez "titulos"e seus respectivos "temas" apresndtados nas "cartas"e nas "fichas de numeros"; Encarte "Cartas e Reacoes", com a descricao de cada "tema" e interpretacao das reacoes do jogadores a cada urii dos'temas'V alem 5e indicacao ` de castigos e premios; Encarte "Numerologia" com as previsoes e diagnosticos dos numeros obtidos a partir das carteias de "Bipgo Vida" 5 **Machine translation:** [Source: Claim 1] 1) "Multiple Existential Esoterico Game" which, through a Board, dice, with the graphics, cards, parts and manuals, allows the realization of up to four different games, and the game featured by a Board with circular figure representing a rudder, made up of ten sectors or "cones" (E), whose vertices (C), with differentiated coloracoes, define a central circle at the helm, showing the "cones" Lines parallel to each other, forming nine trapezoidal figures (D) that, in lateral continuity, form nine concentric rings, each vertice "corresponding to each of the planets in the solar system and over the Moon; each of the "rings" (A) corresponding to subjects or "titles", each trapezoidal figure (D) corresponding to one of the 90 ' themes ' proposed under the nine "titles", "numbers" Chips, and in number corresponding to the trapezoidal figures (D), each divided into three parts, the sides containing numbers associated with five different colors and the central part, varies, containing only the color of one of the "vertices" (C), each record containing even the name of your "theme" on the back; "Perforated" Covers, in number of 20, corresponding to each side of the "cones" (and), with twenty-five perfuracoes each and every pair of "skins", the color of one of the "cones", with the graphics of "Bingo" in number 10, containing a series of numbers from two to twelve, and a superior series, twelve to 48; "Orientation" letters corresponding to each of the "themes", featuring nine possible types of reaction to each "subject"; "Map" containing the relation of ten "titles" and their "apresndtados" themes in the "letters" and the "number cards"; Liner notes "Letters and Reactions", with the description of each "topic" and interpretation of the reactions of the players every urii of ' themes ' V ' punishment on top 5e detail and prizes; Booklet "Numerology" with forecasts and diagnostics of numbers obtained from the with the graphics of "Life" Bipgo 5

Classifications:
International (IPC 8-9): A63B1/00 (Advanced/Invention);
A63B1/00 (Core/Invention)
International (IPC 1-7): A63B1/00



Family:

Publication number	Publication date	Application number	Application date
BRPI9605448 A	19980804	BR1996PI05448	19961024

Priority:

BR1996PI05448 19961024

Probable Assignee: THEBIT RICARDO RABELO
Assignee(s): (std): THEBIT RICARDO RABELO
Inventor(s): (std): THEBIT RICARDO RABELO
Inventor(s): RICARDO RABELO THEBIT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI9605448 A	19980804	LSPB	+	published / reissued	
BRPI9605448 A	20010925	LSRV	-FA10	DISMISSAL: DISMISSAL - ARTICLE 33 OF INDUSTRIAL PROPERTY LAW	

Title: LIGHTING CONTROL SYSTEMS

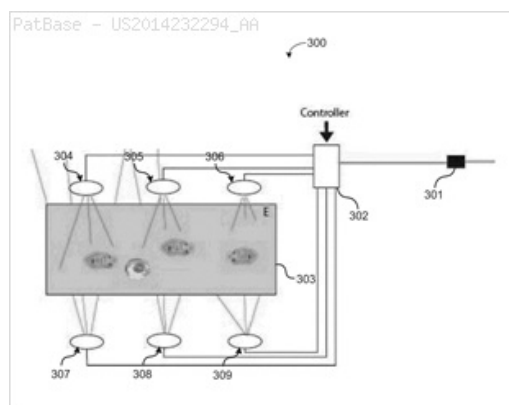
Abstract: A lighting control system and apparatus that may be utilized with aquariums are provided. The light control system and apparatus may be utilized with various lighting fixtures. The lighting control system and apparatus provides easy control over different lighting fixtures comprising various lighting sources. In addition, a user may program various lighting characteristics and effects such as the turn on or turn off date and time, the color, the brightness, the power supplied to the lighting fixtures via different user interfaces by using different user systems. Further, multiple lighting control systems may operate seamlessly together.

Classifications:

International (IPC 8-9): A01K61/02 A01K63/00 A01K63/04 A01K63/06 G05B15/02 G05D7/06 H05B33/08 H05B37/02 (Advanced/Invention)

CPC: H05B37/0272 H05B33/0845 H05B33/0857 A01K63/06 A01K61/85 H05B37/0245 H05B37/029 Y02B20/42 Y02A40/845 H05B33/0863 A01K63/047 G05B15/02 A01K63/006 G05D7/0676 H05B37/0281

US: 1/1 119/51.04 315/153 315/297 700/282



Family:

Publication number	Publication date	Application number	Application date
US2014232294 AA	20140821	US20130772215	20130220
US2015163888 AA	20150611	US20150624464	20150217
US2018132320 AA	20180510	US20170649350	20170713
US9247622 BB	20160126	US20130772215	20130220
US10231304 BB	20190312	US20170649350	20170713

Priority:

US20130772215 20130220 US20150624464 20150217 US20160361969P 20160713
US20170649350 20170713

Probable Assignee: CURRENT USA INC

Assignee(s): (std): CURRENT USA INC ; FREDRICKS DENNIS

Inventor(s): (std): FREDRICKS DENNIS ; EIGENBRODE JEFFREY

Agent(s): SAN DIEGO IP LAW GROUP LLP; CODDINGTON TREVOR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US10231304 BB	20190312	LSGT	+	granted / extensions (spc, cpc, pte)	
US10231304 BB	20190220	LSGT	PAT1	Patented Case	
US10231304 BB	20370713	PEXP		Calculated Patent Term Expiry	
US2014232294 AA	20140821	LSPB	+	published / reissued	
US2014232294 AA	20160106	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015163888 AA	20150611	LSPB	+	published / reissued	
US2015163888 AA	20150217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CURRENT-USA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FREDRICKS, DENNIS; REEL/FRAME:034975/0876 EFFECTIVE DATE : 20130731
US2015163888 AA	20180306	LSSES	NFA1	Non Final Action Mailed	
US2015163888 AA	20190131	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : FINAL REJECTION MAILED
US2015163888 AA	20190513	LSSES	ADV1	Advisory Action Mailed	

US2018132320 AA	20180510	LSPB	+	published / reissued	
US2018132320 AA	20181015	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2018132320 AA	20190201	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2018132320 AA	20190220	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9247622 BB	20160126	LSGT	+	granted / extensions (spc, cpc, pte)	
US9247622 BB	20130805	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CURRENT-USA, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FREDRICKS, DENNIS; REEL/FRAME:030941/0086 EFFECTIVE DATE : 20130731
US9247622 BB	20151214	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US9247622 BB	20160106	LSGT	PAT1	Patented Case	
US9247622 BB	20330813	PEXP		Calculated Patent Term Expiry (PTA 174 days)	

Title: BEDSIDE TABLE HAS SUPPORT FRAME WITH PARTIALLY OR WHOLLY TRANSPARENT COVERING WHICH ACTS AS AQUARIUM OR **TERRARIUM** AND GLASS OR PLEXIGLAS TOP

Abstract: The bedside table has a frame (10) with a partially or wholly transparent covering (15) and a glass or Plexiglas top (11). The base is hollow and acts as an aquarium or **terrarium**.

Classifications:

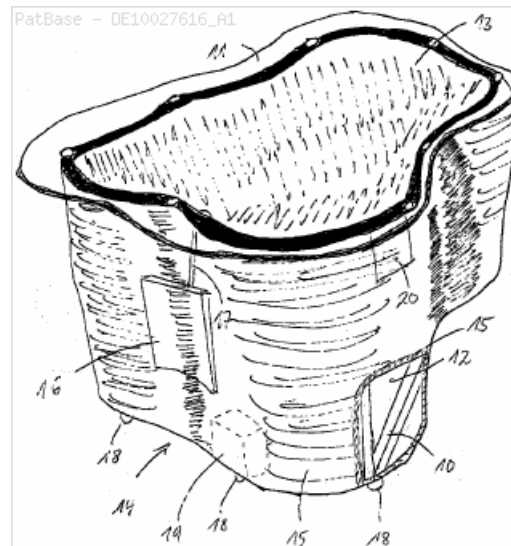
International (IPC 8-9): A01K63/00 (Advanced/Invention);

A01K63/00 (Core/Invention)

International (IPC 1-7): A01K63/00 A47B13/12 A47B37/00 A47B81/00

CPC: A01K63/003

European: A01K63/00A



Family:

Publication number	Publication date	Application number	Application date
DE10027616 A1	20010621	DE20001027616	20000602

Priority:

DE19991057108 19991126 DE20001027616 20000602

Probable Assignee: RENS ROSE MARIE

Assignee(s): (std): RENS ROSE MARIE

Inventor(s): (std): RENS ROSE MARIE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE10027616 A1	20010621	LSPB	+	published / reissued	
DE10027616 A1	20010621	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE10027616 A1	20040219	LSWD	-8130	WITHDRAWAL	

Title: PORTABLE AQUABROOD

Abstract: A portable aquabrood that is formed from an enclosed **animal habitat** chamber assembly and an enclosed water chamber assembly that are assembled together as a unitary member. The **animal habitat** chamber assembly has a first upright end wall and a primary bottom wall that are both common walls of the water chamber assembly. The water chamber assembly has a major bottom wall that is spaced a predetermined height below the primary bottom wall thus when the water chamber assembly has a predetermined amount of water in it, that water will directly contact the primary bottom wall and a major portion of the first end wall of the **animal habitat** chamber assembly. An electric submersible **heater** is mounted in the interior of the water chamber assembly, it **heats** the water which warms the air in the chamber. The warmed air passes through the respective common walls to keep recently hatched birds or other animals that need to be kept warm in the **animal habitat** chamber assembly. There is also a humidity adjustment valve in the upright common end wall of the **animal habitat** chamber assembly.

Classifications:

International (IPC 8-9): A01K1/02 A01K1/03 A01K31/19

A01K63/00 (Advanced/Invention);

A01K1/02 A01K31/00 A01K63/00 (Core/Invention)

International (IPC 1-7): A01K31/20 A01K41/00

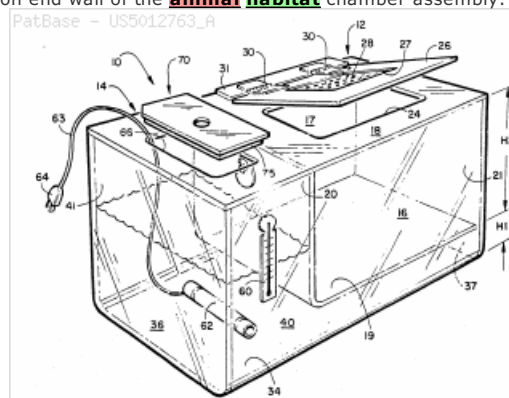
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A01K61/17 A01K63/003

European: A01K1/02D A01K1/02D1 A01K1/03A A01K31/19 A01K63/00A

A01K63/02

US: 119/302 119/303 119/34 119/41 119/42 237/15



Family:

Publication number	Publication date	Application number	Application date
US5012763 A	19910507	US19900485632	19900227

Priority:

US19900485632 19900227

Probable Assignee:

MORRISON MICHAEL L

Assignee(s): (std):

MORRISON MICHAEL L

Inventor(s): (std):

MORRISON MICHAEL L

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5012763 A	19910507	LSGT	+	granted / extensions (spc, cpc, pte)	
US5012763 A	19910306	LSGT	PAT1	Patented Case	
US5012763 A	19950501	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5012763 A	19990509	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5012763 A	19990706	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19990507
US5012763 A	20180128	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5012763 A	20180128	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5012763 A	20100227	PEXP		Calculated Patent Term Expiry	

Title: APPARATUS FOR AN UNDERWATER **TERRARIUM**

Abstract: An underwater **terrarium** capable of being submerged in an aquarium. The interior of the **terrarium** is sealed, so it may be submerged in a tank. The **terrarium** has a pair of air tubes for air intake and exhaust. The intake can be connected to a standard aquarium aerator to allow air for creatures living inside the **terrarium**. Also included is inside the **terrarium** is a light controlled by an electrical cord that runs outside the tank. The electrical cord includes a dimmer switch to control the light.

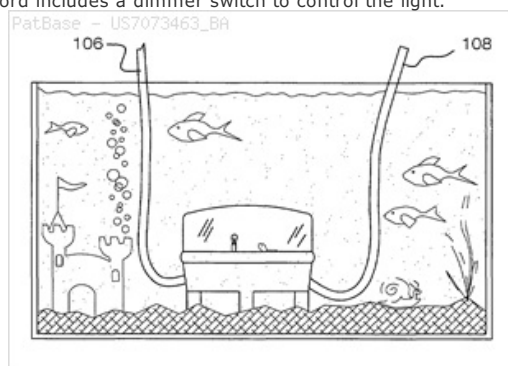
Classifications:

International (IPC 8-9): A01K63/00 (Advanced/Invention)

CPC: A01K63/003 A01K63/006

European: A01K63/00A A01K63/00A1

US: 119/246 119/251 119/256



Family:

Publication number	Publication date	Application number	Application date
US7073463 BA	20060711	US20050074060	20050308

Priority:

US20050074060 20050308

Probable Assignee: BLAKELY DANIEL A

Assignee(s): (std): BLAKELY DANIEL A

Inventor(s): (std): BLAKELY DANIEL A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US7073463 BA	20060711	LSGT	+	granted / extensions (spc, cpc, pte)	
US7073463 BA	20100711	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7073463 BA	20100809	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7073463 BA	20100809	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7073463 BA	20100831	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20100711
US7073463 BA	20250308	PEXP		Calculated Patent Term Expiry	

Title: NOVEL COMPOUNDS

Abstract: A compound of Formula (I) and pharmaceutically and/or veterinarily acceptable derivatives thereof, wherein: R^1 , R^2 , R^3 and R^{20} are each independently H, Cl, Br, F, I, CF_3 , OCF_3 , Me or Et; R^4 is het or C_{3-7} cycloalkyl optionally substituted by C_{1-4} alkyl, C_{1-4} alkoxy, alkoxyalkyl containing 2 to 4 carbon atoms or $-S-(C_{1-4} \text{ alkyl})$; a is 0 or 1; and het is a non-aromatic 4-, 5- or 6-membered heterocycle which contains at least one N, O or S heteroatom, optionally fused to a 5- or 6-membered carbocyclic group or a second 4-, 5- or 6-membered heterocycle which contains at least one N, O or S heteroatom, wherein the het group is optionally substituted by at least one substituent independently selected from C_{1-8} alkyl, C_{1-8} alkoxy, OH, halo, CF_3 , OCF_3 , SCF_3 , hydroxy- C_{1-6} alkyl, C_{1-4} alkoxy- C_{1-6} alkyl and C_{1-4} alkyl-S- C_{1-4} alkyl; provided that at least one of R^1 , R^2 and R^3 are other than H. The compounds of the invention exhibit activity as both serotonin and noradrenaline re-uptake inhibitors and therefore have utility in a variety of therapeutic areas, for example urinary incontinence.

Classifications:

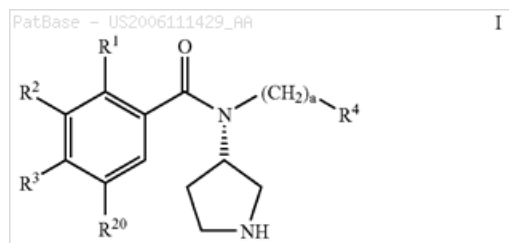
International (IPC 8-9): A61K A61K207/14 A61K309/14 A61K31/16 A61K31/40 A61K31/4025 A61K405/12 A61P13/00 A61P13/02 A61P13/10 A61P15/00 A61P15/10 A61P15/12 A61P21/00 A61P25/00 A61P25/04 A61P25/24 A61P43/00 C07C43/00 C07D C07D207/06 C07D207/10 C07D207/14 C07D207/16 C07D213/00 C07D401/00 C07D405/12 (Advanced/Invention); A61K31/40 C07D207/16 (Advanced/Non-invention); A61K31/00 A61K31/40 A61P13/00 A61P15/00 A61P25/00 C07D207/00 C07D207/10 C07D405/00 (Core/Invention); A61K C07D (Subclass/Invention)

International (IPC 1-7): A61K31/40 A61P13/00 A61P15/10 A61P15/12 A61P25/00 A61P25/24 C07D207/06 C07D207/14

CPC: C07D405/12 C07D207/14

European: C07D207/14 C07D405/12

US: 514/426 548/557 548/557S



Family:

Publication number	Publication date	Application number	Application date
AP200704003 A0	20070630	AP20070004003	20051118
AR052243 AA	20070307	AR2005P104866	20051121
AU2005308534 AA	20060601	AU20050308534	20051118
BRPI0518486 A2	20081118	BR2005PI18486	20051118
CA2589258 AA	20070522	CA20052589258	20051118
CL2005003034 A1	20060623	CL20050003034	20051121
CL46522 B	20100329	CL20050003034	20051121
CN101065355 A	20071031	CN200580040102	20051118
CR9171 A	20070704	CR20070009171	20070607
EA011217 B1	20090227	EA20070000920	20051118
EA2007000920 A1	20071228	EA20070000920	20051118
EP1817281 A1	20070815	EP20050808510	20051118
GB200425766 A0	20041222	GB20040025766	20041123
GT200500337 A	20060613	GT20050000337	20051122
HK1113677 A1	20081010	HK20080102993	20080314
HK1113677 A3	20081010	HK20080102993	20080314
IL183191 A0	20070819	IL20050183191	20051118
IN03676DN2007 A	20070810	IN2007DN03676	20070517
JP2008520646 T2	20080619	JP20070542360T	20051118
JP4233596 B2	20090304	JP20070542360T	20051118
KR100886294 B1	20090304	KR20077014351	20051118
KR20070086599 A	20070827	KR20077014351	20051118
MA29038 B1	20071101	MA20070029935	20070523
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NL1030485 A1	20060524	NL20051030485	20051122
NL1030485 C2	20061107	NL20051030485	20051122
NL1032760 A1	20061213	NL20061032760	20061027
NL1032760 C2	20070417	NL20061032760	20061027
NO20072486 A	20070620	NO20070002486	20070515
NO20072486 L	20070620	NO20070002486	20070515
PA8653501 A1	20060602	PA20050086535	20051123
PE10562006 A1	20061108	PE20050001362	20051121
SV2006002311 A	20060914	SV20050002311	20051123
TH80280 A	20061012	TH20051005425	20051118
TN2007000201 A1	20081121	TN20070000201	20070522
TNSN07201 A1	20081121	TN2007SN00201	20070522
TW200626543 A	20060801	TW20050140922	20051122
TWI300776 B	20080911	TW20050140922	20051122
US2006111429 AA	20060525	US20050280128	20051115
US7122683 BB	20061017	US20050280128	20051115
UY29224 A1	20060630	UY20050029224	20051122
WO06056884 A1	20060601	WO2005IB03643	20051118
ZA200703910 A	20080925	ZA20070003910	20070515

Priority:

GB20040025766 20041123 US20050647534P 20050126 US20050280128 20051115
WO2005IB03643 20051118 WO2005IB03643 20070622

Probable Assignee: PFIZER

Assignee(s): (std): FISH PAUL VINCENT ; PFIZER ; PFIZER INC ; PFIZER LTD ; RYCKMANS THOMAS ; STOBIE ALAN ; WAKENHUT FLORIAN ; WHITLOCK GAVIN ALISTAIR

Assignee(s): PFIZER LIMITED

Inventor(s): (std): ALAN STOBIE ; ALISTAIR WHITLOCK GAVIN ; FISH PAUL V ; FISH PAUL VINCENT ; FLISH PAUL VINCENT ; FLORIAN WAKENHUT ; GAVILAN ALISTAIR WHITLOCK ; PAUL VINCENT FISH ; RYCKMANS THOMAS ; STOBIE ALAN ; THOMAS RYCKMANS ; VINCENT FISH PAUL ; WAKENHUT FLORIAN ; WHITLOCK GAVIN A ; WHITLOCK GAVIN ALISTAIR

Inventor(s): WHITLOCK GAVIN ; V FISH PAUL VINCENT ; GAVIN ALISTAIR WHITLOCK ; PAUL VICENT FISH ; FISH PAUL ; ALAN STOBIE FLORIAN WAKENHUT GAVIN ALISTAIR WHITLOCK THOMAS RYCKMANS PAUL VICENT FISH ; A WHITLOCK GAVIN ALISTAIR

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SMART AND BIGGAR; PORZIO; CHRISTINA WONG; PFIZER INC; GREGG C; CARL J

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR052243 AA	20070307	LSPB	+	published / reissued	
AR052243 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
AU2005308534 AA	20060601	LSPB	+	published / reissued	
AU2005308534 AA	20110616	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION	
BRPI0518486 A2	20120529	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 6A ANUIDADE.
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CA2589258 AA	20070522	LSPB	+	published / reissued	
CA2589258 AA	20070522	LSSES	+EEER	EXAMINATION REQUEST	
CA2589258 AA	20111118	LSLE	-FZDE	DEAD	
CL2005003034 A1	20060623	LSPB	+	published / reissued	
CL46522 B	20100329	LSGT	+	granted / extensions (spc, cpc, pte)	
CL46522 B	20250329	PEXP		Calculated Patent Term Expiry	
CN101065355 A	20071031	LSPB	+	published / reissued	
CN101065355 A	20071031	LSPB	+C06	PUBLICATION	
CN101065355 A	20121003	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
CN101065355 A	20140613	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : WD REF DOCUMENT NUMBER : 1113677 COUNTRY OF REF DOCUMENT : HK
CR9171 A	20070704	LSPB	+	published / reissued	
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EA011217 B1	20090227	LSGT	+	granted / extensions (spc, cpc, pte)	
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EA200700920 A1	20071228	LSPB	+	published / reissued	
EP1817281 A1	20070815	LSPB	+	published / reissued	
EP1817281 A1	20070815	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070625
EP1817281 A1	20110622	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20110524
EP1817281 A1	20111123	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20110601
GB200425766 A0	20060222	LSWD	-AT	APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
GT200500337 A	20060613	LSPB	+	published / reissued	
HK1113677 A1	20081010	LSPB	+	published / reissued	
HK1113677 A3	20081010	LSPB	+	published / reissued	
IN03676DN2007 A	20070810	LSPB	+	published / reissued	
JP2008520646 T2	20080619	LSPB	+	published / reissued	
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JP2008520646 T2	20081015	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20081014
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JP2008520646 T2	20081118	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20081118
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JP2008520646 T2	20081218	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20081209
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KR20070086599 A	20070827	LSPB	+	published / reissued	
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KR20070086599 A	20080718	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
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NO20072486 A	20090629	LSRV	-FC2A	WITHDRAWAL, REJECTION OR DISMISSAL OF LAID OPEN PATENT APPLICATION	
PA8653501 A1	20060602	LSPB	+	published / reissued	
PE10562006 A1	20061108	LSPB	+	published / reissued	
PE10562006 A1	20081231	LSRV	-FC	REFUSAL	
SV2006002311 A	20060914	LSPB	+	published / reissued	
TH80280 A	20061012	LSPB	+	published / reissued	
TN2007000201 A1	20081121	LSPB	+	published / reissued	
TNSN07201 A1	20081121	LSPB	+	published / reissued	
TW200626543 A	20060801	LSPB	+	published / reissued	
TWI300776 B	20080911	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI300776 B	20251122	PEXP		Calculated Patent Term Expiry	
US2006111429 AA	20060525	LSPB	+	published / reissued	
US7122683 BB	20061017	LSGT	+	granted / extensions (spc, cpc, pte)	
US7122683 BB	20100323	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

US7122683 BB	20141017	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7122683 BB	20141117	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7122683 BB	20141117	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7122683 BB	20141209	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20141017
US7122683 BB	20251115	PEXP		Calculated Patent Term Expiry	
UY29224 A1	20060630	LSPB	+	published / reissued	
WO06056884 A1	20060601	LSPB	+	published / reissued	
WO06056884 A1	20070514	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 183191 COUNTRY OF REF DOCUMENT : IL
WO06056884 A1	20070517	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 3676/DELNP/2007 COUNTRY OF REF DOCUMENT : IN
WO06056884 A1	20070517	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 555217 COUNTRY OF REF DOCUMENT : NZ
WO06056884 A1	20070522	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2589258 COUNTRY OF REF DOCUMENT : CA
WO06056884 A1	20070522	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2007/006138 COUNTRY OF REF DOCUMENT : MX
WO06056884 A1	20070522	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12007501086 COUNTRY OF REF DOCUMENT : PH
WO06056884 A1	20070522	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007542360 COUNTRY OF REF DOCUMENT : JP
WO06056884 A1	20070523	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200580040102.5 COUNTRY OF REF DOCUMENT : CN
WO06056884 A1	20070523	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005308534 COUNTRY OF REF DOCUMENT : AU
WO06056884 A1	20070523	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 07051365 COUNTRY OF REF DOCUMENT : CO
WO06056884 A1	20070523	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : DZP2007000312 COUNTRY OF REF DOCUMENT : DZ
WO06056884 A1	20070523	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10087 COUNTRY OF REF DOCUMENT : GE

WO06056884 A1	20070524	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO06056884 A1	20070530	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005808510 COUNTRY OF REF DOCUMENT : EP
WO06056884 A1	20070607	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : CR2007-009171 COUNTRY OF REF DOCUMENT : CR
WO06056884 A1	20070614	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2005308534 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20051118 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO06056884 A1	20070614	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005308534 COUNTRY OF REF DOCUMENT : AU
WO06056884 A1	20070622	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020077014352 COUNTRY OF REF DOCUMENT : KR
WO06056884 A1	20070622	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020077014351 COUNTRY OF REF DOCUMENT : KR
WO06056884 A1	20070622	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1200701249 COUNTRY OF REF DOCUMENT : VN
WO06056884 A1	20070626	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200700920 COUNTRY OF REF DOCUMENT : EA
WO06056884 A1	20070815	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005808510 COUNTRY OF REF DOCUMENT : EP
WO06056884 A1	20081118	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0518486 COUNTRY OF REF DOCUMENT : BR
ZA200703910 A	20080925	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200703910 A	20270514	PEXP		Calculated Patent Term Expiry	

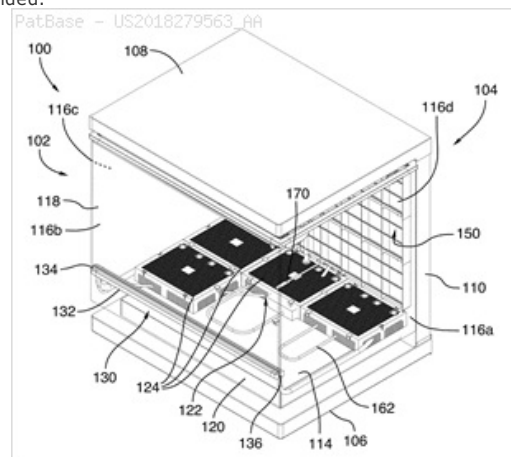
Title: SYSTEM AND METHODS FOR MIMICKING THE ENVIRONMENTAL CONDITIONS OF A HABITAT

Abstract: A system for mimicking the environmental conditions of a habitat includes an enclosure and a ventilation assembly. A ventilation strip extends horizontally through a sidewall of the enclosure. The ventilation strip includes first and second inner channels separated by an inner fin. A ventilation opening(s) allows communication between the interior of the enclosure and the inner channels. An air fan in fluid communication with the first inner channel provides airflow into the first inner channel to create a low-pressure zone over the ventilation opening, thereby drawing air through the ventilation opening and into the enclosure from the exterior of the enclosure through the second inner channel. In some embodiments, a vertical growing assembly having a mounting panel and a plurality of cells is provided. Each cell is adapted for receiving substrate for growing an organism. A method for training an artificial neural network to control said system is also provided.

Classifications:

International (IPC 8-9): A01G25/02 A01G9/02 A01G9/24 A01K1/00 G06N3/08 (Advanced/Invention)

CPC: A01G9/246 A01K1/0064 A01K1/0052 A01K1/0076 G06N3/08 A01G9/025 A01G9/247 A01G25/02 A01K1/0082



Family:

Publication number	Publication date	Application number	Application date
US2018279563 AA	20181004	US20170471572	20170328

Priority:

US20170471572 20170328

Probable Assignee: BIOPOD SYSTEMS INC

Assignee(s): (std): BIOPOD SYSTEMS INC ; CACERES JONATHAN ; GOZALVEZ LUCAS ; HAYAT SHARGEEL ; WOLFE JARED ; LAM TOM ; MAHMUD APPLE ; JIMENEZ RUBEN

Inventor(s): (std): WOLFE JARED ; LAM TOM ; MAHMUD APPLE ; HAYAT SHARGEEL ; GOZALVEZ LUCAS ; CACERES JONATHAN ; JIMENEZ RUBEN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2018279563 AA	20181004	LSPB	+	published / reissued	
US2018279563 AA	20170607	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BIOPOD SYSTEMS INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WOLFE, JARED; LAM, TOM; MAHMUD, APPLE; AND OTHERS; SIGNING DATES FROM 20170412 TO 20170413; REEL/FRAME:042627/0933
US2018279563 AA	20190412	LSES	NFA1	Non Final Action Mailed	

Title: FOLDING BOX WITH PRESTRESSED WALLS

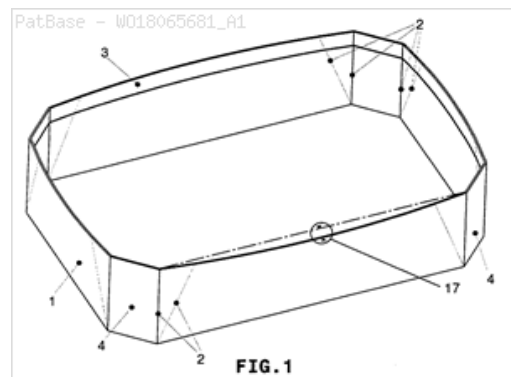
Abstract: Existing folding litter trays require a manual material manipulation that is difficult to undertake and may require additional supplies in order to ensure the rigidity of the tray. Not carrying out these operations properly may reduce the fluidtightness and stability of the tray, impairing its hygienic efficiency and making it unfit for purpose. The box (1) according to the invention is made up of a laminated multilayer complex (15) with aesthetic, biodegradable, recyclable, fluidtight, non-soiling and deodorizing properties. The invention eliminates the problem of making-up by giving the sidewalls of the box (1) a preloaded bowed shape-memory spring effect (17) ensuring that they are rigid in the open position thus ensuring the functionality of the box (1) with no prior manipulation. The invention can be used as a travel or day-to-day solution. It can be combined with litter to form a ready-to-use entity.

Classifications:

International (IPC 8-9): A01K1/01 B31B7/00

B65D5/24 (Advanced/Invention)

CPC: A01K1/0125



Family:

Publication number	Publication date	Application number	Application date
FR3057140 A1	20180413	FR20160001461	20161007
WO18065681 A1	20180412	WO2017FR00180	20171002

Priority:

FR20160001461 20161007

Probable Assignee: GENERATION TECH

Assignee(s): (std): GENERATION TECH ; SARL GENERATION TECH

Inventor(s): (std): CALDAS RAPHAEL

Inventor(s): RAPHAEL CALDAS

Agent(s): GENERATION TECH

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR3057140 A1	20180413	LSPB	+	published / reissued	
FR3057140 A1	20171003	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 2
FR3057140 A1	20180413	LSSES	PLSC	SEARCH REPORT READY	EFFECTIVE DATE : 20180413
FR3057140 A1	20181022	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 3
WO18065681 A1	20180412	LSPB	+	published / reissued	
WO18065681 A1	20190409	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO18065681 A1	20190510	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017787468 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20190507

Title: Window shelf

Abstract: A shelf that can be hung on a window structure. The shelf has a projecting member and a horizontal member that envelop the top of the window structure. The horizontal member can be moveable to clamp the window structure between the horizontal member and the projecting member. The shelf can include a cover to provide an ideal growing environment for plants, especially Bonsai plants. Accessories, such as picture frames, can be attached to the shelf. The shelf can include more than one tray.

Classifications:

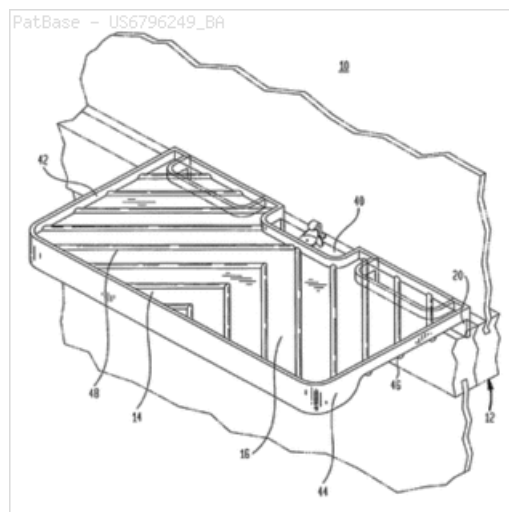
International (IPC 8-9): A47B96/02 (Advanced/Invention);
A47B96/02 (Core/Invention)

International (IPC 1-7): A47B23/04

CPC: A47B96/02

European: A47B96/02

US: 108/157.13 211/88.01 220/480 248/235



Family:

Publication number	Publication date	Application number	Application date
US6796249 BA	20040928	US20000706429	20001104

Priority:

US20000706429 20001104

Probable Assignee:

HIRAS MINAS N

Assignee(s): (std):

HIRAS MINAS N

Inventor(s): (std):

HIRAS MINAS N

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US6796249 BA	20040928	LSGT	+	granted / extensions (spc, cpc, pte)	
US6796249 BA	20080328	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6796249 BA	20120928	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6796249 BA	20120928	LSRE	+REIN	REINSTATEMENT AFTER MAINTENANCE FEE PAYMENT CONFIRMED	
US6796249 BA	20121120	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20120928
US6796249 BA	20130305	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6796249 BA	20130610	LSRE	+PRDP	PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE	EFFECTIVE DATE : 20130613
US6796249 BA	20130613	LSGT	PAT1	Patented Case	
US6796249 BA	20130613	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6796249 BA	20160926	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6796249 BA	20210311	PEXP		Calculated Patent Term Expiry (PTA 127 days)	

Title: ELECTRONIC CONTROL APPARATUS I.E. CLIMATIC CONTROLLER, FOR MANAGING CLIMATIC CONDITIONS IN LIVING ENVIRONMENT OF E.G. PLANT SPECIES IN E.G. **TERRARIUMS**, HAS DATABASE INCLUDING DATA OF ANIMAL OR PLANT SPECIES WITH NECESSARY PARAMETERS

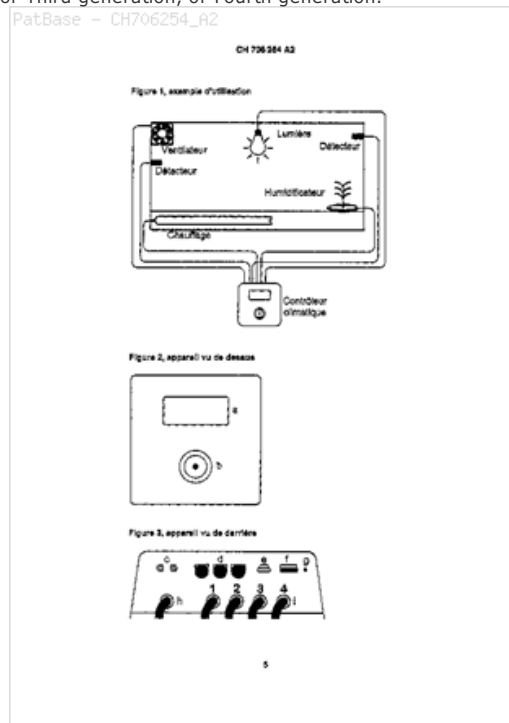
Abstract: The apparatus has an internal database including data of animal or plant species with necessary parameters, where a user chooses desired species, which the user desires to raise or cultivate, among the animal or the plant species, by reproducing a living environment according to a place of origin of the species. The reproduced environment depends on real-time climatic conditions including day, seasonal, annual, monsoon and drought periods, and unexpected climatic events. The real-time climatic conditions is relative to the place of origin of the species, and chosen using a wireless fidelity connection or Global System for Mobile Communication, or Universal Mobile Telecommunications System, or Third generation, or Fourth generation.

Classifications:

International (IPC 8-9): A01K63/00 (Advanced/Invention)

CPC: A01K63/006 A01K63/06 A01G9/246 Y02A40/268

PatBase - CH706254_A2



Family:

Publication number	Publication date	Application number	Application date
CH706254 A2	20130930	CH20120000375	20120315

Priority:

CH20120000375 20120315

Probable Assignee: TECHNOKISS SYSTEMS SA
Assignee(s): (std): TECHNOKISS SYSTEMS SA
Inventor(s): (std): KOSZALI ROLAND MAXIMILIEN
Inventor(s): ROLAND MAXIMILIEN KOSZALI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CH706254 A2	20130930	LSPB	+	published / reissued	
CH706254 A2	20151215	LSRV	-AZW	REJECTION (APPLICATION)	

Title: ENVIRONMENTALLY RESPONSIVE OPTICAL MICROSTRUCTURED HYBRID ACTUATOR ASSEMBLIES AND APPLICATIONS THEREOF

Abstract: Microstructured hybrid actuator assemblies in which microactuators carrying designed surface properties to be revealed upon actuation are embedded in a layer of responsive materials. The microactuators in a microactuator array reversibly change their configuration in response to a change in the environment without requiring an external power source to switch their optical properties.

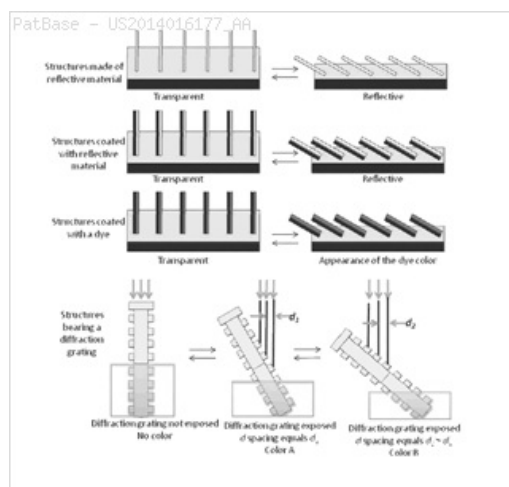
Classifications:

International (IPC 8-9): B29D11/00 B81B3/00 C12M1/12 C12M1/42 G02B26/00 G02B26/08 (Advanced/Invention)

CPC: B29D11/0074 G02B26/0866 Y10T156/109 G02B26/0833 B81B3/0032 B81B2201/038 B81B2207/053 G02B26/0808 G02B26/00 C12M35/04 C12M25/02

European: G02B26/08M4T

US: 1/1 156/298 359/290 359/291 435/289.1 435/375



Family:

Publication number	Publication date	Application number	Application date
US2014016177 AA	20140116	US20110990385	20111129
US2015093823 AA	20150402	US20130094152	20131202
US2016209642 AA	20160721	US20150974734	20151218
US9229218 BB	20160105	US20110990385	20111129
WO12075033 A2	20120607	WO2011US62437	20111129
WO12075033 A3	20121115	WO2011US62437	20111129

Priority:

US20100417665P 20101129 US20110990385 20111129 WO2011US62437 20111129
US20130990385 20131002 US20130094152 20131202 US20150974734 20151218

Probable Assignee: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Assignee(s): (std): AIZENBERG JOANNA ; AIZENBERG MICHAEL ; HARVARD COLLEGE ; KIM PHILSEOK

Assignee(s): PRESIDENT AND FELLOWS OF HARVARD COLLEGE ; ENERGY UNITED STATES DEPARTMENT OF

Inventor(s): (std): AIZENBERG JOANNA ; AIZENBERG MICHAEL ; KIM PHILSEOK ; ZARZAR LAUREN ; SUTTON AMY ALEXANDRA ; SHIRMAN TANYA

Agent(s): WILMER CUTLER PICKERING HALE AND DORR LLP; SCOZZAFAVA MARY ROSE 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 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2014016177 AA	20140116	LSPB	+	published / reissued	
US2014016177 AA	20151216	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015093823 AA	20150402	LSPB	+	published / reissued	
US2015093823 AA	20140919	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRESIDENT AND FELLOWS OF HARVARD COLLEGE, MASSACHU OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:AIZENBERG, JOANNA; KIM, PHILSEOK; SHIRMAN, TANYA; AND OTHERS; SIGNING DATES FROM 20140825 TO 20140917; REEL/FRAME:033777/0935

US2015093823 AA	20151106	LSES	NFA1	Non Final Action Mailed	
US2015093823 AA	20170619	LSES	NFA1	Non Final Action Mailed	
US2015093823 AA	20181030	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2015093823 AA	20181030	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2016209642 AA	20160721	LSPB	+	published / reissued	
US2016209642 AA	20160801	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRESIDENT AND FELLOWS OF HARVARD COLLEGE, MASSACHU OLDPARTY : ASSIGNMENT OF ASSIGNNORS INTEREST; ASSIGNNORS:AIZENBERG, JOANNA; AIZENBERG, MICHAEL; KIM, PHILSEOK; REEL/FRAME:039306/0844 EFFECTIVE DATE : 20120419
US2016209642 AA	20180426	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016209642 AA	20180507	LSES	NFA1	Non Final Action Mailed	
US2016209642 AA	20181219	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2016209642 AA	20181219	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US9229218 BB	20160105	LSGT	+	granted / extensions (spc, cpc, pte)	
US9229218 BB	20120608	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRESIDENT AND FELLOWS OF HARVARD COLLEGE, MASSACHU OLDPARTY : ASSIGNMENT OF ASSIGNNORS INTEREST; ASSIGNNORS:AIZENBERG, JOANNA; AIZENBERG, MICHAEL; KIM, PHILSEOK; REEL/FRAME:028342/0683 EFFECTIVE DATE : 20120419
US9229218 BB	20130717	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRESIDENT AND FELLOWS OF HARVARD COLLEGE, MASSACHU OLDPARTY : ASSIGNMENT OF ASSIGNNORS INTEREST; ASSIGNNORS:AIZENBERG, JOANNA; AIZENBERG, MICHAEL; KIM, PHILSEOK; REEL/FRAME:030815/0267 EFFECTIVE DATE : 20120419
US9229218 BB	20131206	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ENERGY, UNITED STATES DEPARTMENT OF, DISTRICT OF C OLDPARTY : CONFIRMATORY LICENSE; ASSIGNOR:HARVARD UNIVERSITY; REEL/FRAME:031956/0333 EFFECTIVE DATE : 20130913
US9229218 BB	20151124	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9229218 BB	20151216	LSGT	PAT1	Patented Case	
US9229218 BB	20320208	PEXP		Calculated Patent Term Expiry (PTA 71 days)	
WO12075033 A2	20120607	LSPB	+	published / reissued	
WO12075033 A3	20130529	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12075033 A3	20131002	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO	REF DOCUMENT NUMBER : 13990385 COUNTRY OF REF DOCUMENT : US

NATIONAL PHASE					
WO12075033 A3	20131225	LSNE	-122	EP: PCT APPLICATION NON- ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 11801903 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Title: PROCESS FOR APPLYING AN OPAQUE, CORROSION RESISTANT, 100 PERCENT SOLIDS, UV CURABLE FINISH TO PARTS FOR UNDERHOOD USE IN MOTOR VEHICLES

Abstract: A process for applying an opaque, corrosion resistant, 100 percent solids, UV curable finish to parts for underhood use in motor vehicles with the steps of: 1. Prepare a UV curable, 100 percent solids, opaque, corrosion resistant coating. 2. Apply the coating to underhood motor vehicle parts by the use of HVLP or electrostatic spray. 3. Cure the coating with single or a combination of ultra-violet lights containing an array ultraviolet frequencies sufficient to provide both a surface cure and to penetrate the opaque pigment to provide curing and adhesion to the substrate. Lights must be configured in such a way that every surface of the parts must be struck by the necessary array of frequencies of light. Use no **heat**. 4. Parts are ready to handle or ship immediately. This process cuts the time, energy, and space needed to coat and cure opaque, corrosion resistant parts. It also eliminates the need for pollution control technology.

Classifications:

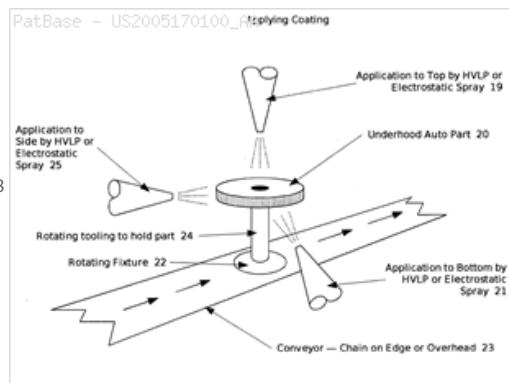
International (IPC 8-9): B05D5/00 B05D7/14 B32B B32B15/04 B32B5/16 B32B9/00 B32B9/04 C08F C08F2/38 C08F2/42 C08F2/46 C08F2/48 C08F2/50 C08G2/00 C08J3/28 C08K3/10 C08K3/22 C08K3/34 C08K3/36 C08K5/5377 C08L33/06 C09D133/06 C09D4/00 G03C1/492 (Advanced/Invention); B05D1/02 B05D1/04 B05D1/06 B05D1/12 B05D3/06 B32B9/00 B32B9/04 (Advanced/Non-invention); B05D5/00 B05D7/14 B32B15/04 B32B5/16 B32B9/00 B32B9/04 C08F2/38 C08F2/46 C08J3/28 C08K3/00 C08L33/00 C09D133/06 C09D4/00 G03C1/005 (Core/Invention); B05D1/02 B05D1/04 B05D1/12 B05D3/06 (Core/Non-invention)

International (IPC 1-7): B05D5/00 B32B15/04 B32B5/16 B32B9/00 B32B9/04 C08F2/38 C08F2/46 C08F2/50 C08G2/00 C08K3/10 C08K3/22 C08K3/34 G03C1/492

CPC: C08F2/50 C08L33/062 C09D133/062 C09D5/038 C09D5/084 Y10T428/25 C08F2/46 C08F2/48 C08K3/22 C08K3/34 C08K5/0025 C08K9/04 C09D4/00 C09D175/16 Y10T428/31504 Y10T428/31511 Y10T428/31522 Y10T428/31551 Y10T428/31855 B82Y30/00 C08K2201/011 B05D7/14 B05D1/02 B05D1/04 B05D1/06 B05D1/12 B05D3/067 B05D2401/30 B05D2401/32 C08K3/01

European: B05D7/14 B82Y30/00 C08F2/46 C08F2/48 C08F2/50 C08K3/00P C08K3/34 C08K9/04 C08L33/06B C09D133/06B C09D175/16 C09D4/00 L05D1/02 L05D1/04 L05D1/06 L05D1/12 L05D3/06C5E L05D401/30 L05D401/32 M08K201/011 M08K3/22 M08K3/34 M08K5/00P2 M08L33/06B

US: 118/50.1 118/50.100S 427/458 427/458P 427/458S 427/487 427/487P 428/323 428/323P 428/411.1 428/413 428/416 428/423.1 428/432 428/500 430/270.1 430/270.100P 522/1 522/100 522/103 522/104 522/107 522/150 522/152 522/153 522/168 522/170 522/172 522/174 522/178 522/181 522/182 522/1P 522/7 522/71 522/74 522/75 522/76 522/76P 522/77 522/7P 522/8 522/81 522/83 522/83S 522/8S 522/90 522/96 522/99 524/403 524/403S 524/430 524/492 524/492S 524/497 524/497S



Family:

Publication number	Publication date	Application number	Application date
AT431382 E	20090515	AT20050725108T	20050308
CA2553856 AA	20060719	CA20052553856	20050204
CA2558425 AA	20060901	CA20052558425	20050308
CN100445303 C	20081224	CN200580003994	20050204
CN1918189 A	20070221	CN200580003994	20050204
CN1934140 A	20070321	CN200580007317	20050308
DE602005014449 D1	20090625	DE200560014449T	20050308
EP1716182 A2	20061102	EP20050712730	20050204
EP1716182 A4	20070912	EP20050712730	20050204
EP1723180 A1	20061122	EP20050725108	20050308
EP1723180 A4	20070905	EP20050725108	20050308
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US2005170100 AA	20050804	US20040771867	20040204
US2005170101 AA	20050804	US20040982998	20041105
US2005170280 AA	20050804	US20040003159	20041202
US2005171227 AA	20050804	US20040983022	20041105
US2005196605 AA	20050908	US20050075647	20050308
US2006041047 AA	20060223	US20050258583	20051024
US2007082964 AA	20070412	US20060609283	20061211
US2008300337 AA	20081204	US20080189704	20080811
US7151123 BB	20061219	US20040983022	20041105
US7192992 BB	20070320	US20040003159	20041202
US7238731 BB	20070703	US20050075647	20050308
US7425586 BB	20080916	US20060609283	20061211
US7498362 BB	20090303	US20050258583	20051024
WO05076894 A2	20050825	WO2005US03394	20050204
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Priority:

US20040771867	20040204	US20040549669P	20040303	US20040551287P	20040308
US20040556221P	20040325	US20040557074P	20040326	US20040872531	20040621
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WO2005US07758	20050308	US20050258583	20051024	US20060609283	20061211
US20080189704	20080811				

Probable Assignee: ECOLOGY COATINGS INC

Assignee(s): (std): ECOLOGY COATING INC ; ECOLOGY COATINGS INC ; ENCOLOGY COATINGS INC ; RAMSEY SALLY JUDITH WEINE

Assignee(s): RAMSEY SALLY W ; WEINE RAMSEY SALLY J ; SALPIETRA JOHN M PETE

Inventor(s): (std): RAMSEY SALLY JUDITH WEINE ; WEINE RAMSEY SALLY JUDITH ; RAMSEY SALLY ; RAMSEY SALLY JUDITH ; RAMSEY SALLY J W ; RAMSEY SALLY JUDITH W ; RAMSEY SALLY W ; WEINE RAMSEY SALLY J

Inventor(s): RAMSEY SALLY JW ; WEINE RAMSEY SALLY ; SALLY JUDITH WEINE RAMSEY

Agent(s): FETHERSTONHAUGH AND CO; VOSSIUS AND PARTNER; DEACONS; WILSON SONSINI GOODRICH AND ROSATI; WILSON; GOODRICH AND ROSATI

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 SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT431382 E	20090515	LSGT	+	granted / extensions (spc, cpc, pte)	
AT431382 E	20091115	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT431382 E	20250308	PEXP		Calculated Patent Term Expiry	
CA2553856 AA	20060719	LSPB	+	published / reissued	
CA2553856 AA	20100204	LSLE	-FZDE	DEAD	
CA2558425 AA	20060901	LSPB	+	published / reissued	
CA2558425 AA	20110308	LSLE	-FZDE	DEAD	
CN100445303 C	20081224	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100445303 C	20081224	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100445303 C	20110420	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN100445303 C	20250204	PEXP		Calculated Patent Term Expiry	
CN1918189 A	20070221	LSPB	+	published / reissued	
CN1918189 A	20070221	LSPB	+C06	PUBLICATION	
CN1934140 A	20070321	LSPB	+	published / reissued	
CN1934140 A	20070321	LSPB	+C06	PUBLICATION	
CN1934140 A	20110119	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
DE602005014449 D1	20100506	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
EP1716182 A2	20061102	LSPB	+	published / reissued	
EP1716182 A2	20061102	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20060901
EP1716182 A4	20070912	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20070814
EP1716182 A4	20080319	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20080214

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EP1716182 A4	20080813	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ECOLOGY COATING, INC.
EP1716182 A4	20081022	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC.
EP1716182 A4	20100127	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20090806
EP1723180 A1	20061122	LSPB	+	published / reissued	
EP1723180 A1	20061122	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20060928
EP1723180 A4	20070905	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20070807
EP1723180 A4	20080319	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20080214
EP1723180 A4	20080813	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ECOLOGY COATING, INC.
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EP1723180 A4	20080827	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : C08L 33/06 20060101AFI20080723BHEP
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EP1723180 B1	20090515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1723180 B1	20090610	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1723180 B1	20091030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20090824
EP1723180 B1	20091030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20090513
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EP1723180 B1	20091130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20090513
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EP1723180 B1	20100129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20090513
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EP1723180 B1	20100129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20090513
EP1723180 B1	20100226	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : SK

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EP1723180 B1	20100226	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20090513
EP1723180 B1	20100324	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : BASF COATINGS AG EFFECTIVE DATE : 20100211
EP1723180 B1	20100331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20090813
EP1723180 B1	20100609	LSOP	-R26	OPPOSITION FILED (CORRECTED)	PARTYTYPE : OPPONENT OPPONENT : BASF COATINGS GMBH EFFECTIVE DATE : 20100211
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EP1723180 B1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20090814
EP1723180 B1	20101029	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1723180 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100331
EP1723180 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100331
EP1723180 B1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20090513
EP1723180 B1	20120430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20120406 YEAR OF FEE PAYMENT : 8
EP1723180 B1	20120430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20120326 YEAR OF FEE PAYMENT : 8

EP1723180 B1	20120509	LSRE	+27C	OPPOSITION PROCEEDINGS TERMINATED	EFFECTIVE DATE : 20111229
EP1723180 B1	20120629	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20120326 YEAR OF FEE PAYMENT : 8
EP1723180 B1	20120731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20120328 YEAR OF FEE PAYMENT : 8
EP1723180 B1	20120731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20120329 YEAR OF FEE PAYMENT : 8
EP1723180 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20090513
EP1723180 B1	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20091114
EP1723180 B1	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100308
EP1723180 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20090513
EP1723180 B1	20131004	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : WD REF DOCUMENT NUMBER : 1096109 COUNTRY OF REF DOCUMENT : HK
EP1723180 B1	20131016	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20131001
EP1723180 B1	20131127	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20130308
EP1723180 B1	20131227	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20131129
EP1723180 B1	20140101	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1723180 B1	20140109	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602005014449 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20131001
EP1723180 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION]	COUNTRY OF REF DOCUMENT : DE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131001

				FROM NATIONAL OFFICE TO EPO]	
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EP1723180 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130308
EP1723180 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130402
EP1723180 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131001
EP1723180 B1	20250308	PEXP		Calculated Patent Term Expiry	
HK1096109 A1	20070525	LSPB	+	published / reissued	
US2005170100 AA	20050804	LSPB	+	published / reissued	
US2005170100 AA	20041008	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATING, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAMSEY, SALLY W.; REEL/FRAME:015234/0243 EFFECTIVE DATE : 20040914
US2005170100 AA	20060213	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005170100 AA	20060213	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2005170101 AA	20050804	LSPB	+	published / reissued	
US2005170101 AA	20060721	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAMSEY, SALLY J. WEINE; REEL/FRAME:017972/0694 EFFECTIVE DATE : 20060720
US2005170101 AA	20061027	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATING, INC., OHIO OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED ON REEL 017972 FRAME 0694; ASSIGNOR:RAMSEY, SALLY J. WEINE; REEL/FRAME:018448/0672 EFFECTIVE DATE : 20060720
US2005170101 AA	20090811	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
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US2005170280 AA	20050804	LSPB	+	published / reissued	
US2005170280 AA	20061027	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : ECOLOGY COATING, INC., OHIO OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED ON REEL 016094 FRAME 0796; ASSIGNOR:RAMSEY, SALLY W.; REEL/FRAME:018448/0668 EFFECTIVE DATE : 20041202
US2005170280 AA	20070228	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2005171227 AA	20050804	LSPB	+	published / reissued	
US2005196605 AA	20050908	LSPB	+	published / reissued	
US2005196605 AA	20061030	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATING, INC., OHIO OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED ON REEL 016372 FRAME 0533; ASSIGNOR:RAMSEY, SALLY J.; REEL/FRAME:018451/0269 EFFECTIVE DATE : 20050308
US2005196605 AA	20070613	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2006041047 AA	20060223	LSPB	+	published / reissued	
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US2006041047 AA	20080523	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC., OHIO OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED ON REEL 018448 FRAME 0677. ASSIGNOR(S) HEREBY CONFIRMS THE THE CONVEYANCE STATED IN THE ORIGINAL ASSIGNMENT TO ASSIGNEE.; ASSIGNOR:RAMSEY, SALLY JUDITH WEINE; REEL/FRAME:020997/0256 EFFECTIVE DATE : 20051024
US2007082964 AA	20070412	LSPB	+	published / reissued	
US2007082964 AA	20080604	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAMSEY, SALLY J. WEINE; REEL/FRAME:021038/0584 EFFECTIVE DATE : 20080528
US2008300337 AA	20081204	LSPB	+	published / reissued	
US2008300337 AA	20090105	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC., MICHIGAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAMSEY, SALLY JUDITH WEINE; REEL/FRAME:022056/0902 EFFECTIVE DATE : 20081229
US2008300337 AA	20100226	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2008300337 AA	20100226	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

DISCONTINUATION					
US7151123 BB	20061219	LSGT	+	granted / extensions (spc, cpc, pte)	
US7151123 BB	20061129	LSGT	PAT1	Patented Case	
US7151123 BB	20080604	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAMSEY, SALLY J. WEINE; REEL/FRAME:021029/0950 EFFECTIVE DATE : 20080528
US7151123 BB	20101216	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7151123 BB	20140519	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SALPIETRA, JOHN M. "PETE", MICHIGAN OLDPARTY : FORECLOSURE; ASSIGNOR:ECOLOGY COATINGS, INC.; REEL/FRAME:033133/0828 EFFECTIVE DATE : 20140427
US7151123 BB	20141210	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7151123 BB	20180615	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RAMSEY, SALLY W., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SALPIETRA, JOHN M. "PETE"; REEL/FRAME:046096/0754 EFFECTIVE DATE : 20180608
US7151123 BB	20180730	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US7151123 BB	20190121	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7151123 BB	20190121	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7151123 BB	20190121	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7151123 BB	20190212	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20181219
US7151123 BB	20241105	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US7192992 BB	20070320	LSGT	+	granted / extensions (spc, cpc, pte)	
US7192992 BB	20041202	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAMSEY, SALLY W.; REEL/FRAME:016094/0796 EFFECTIVE DATE : 20041202
US7192992 BB	20070228	LSGT	PAT1	Patented Case	
US7192992 BB	20100917	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7192992 BB	20140519	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SALPIETRA, JOHN M. "PETE", MICHIGAN OLDPARTY : FORECLOSURE; ASSIGNOR:ECOLOGY COATINGS, INC.; REEL/FRAME:033133/0828 EFFECTIVE DATE : 20140427

US7192992 BB	20150127	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7192992 BB	20180615	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RAMSEY, SALLY W., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SALPIETRA, JOHN M. "PETE"; REEL/FRAME:046096/0754 EFFECTIVE DATE : 20180608
US7192992 BB	20181105	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7192992 BB	20190422	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7192992 BB	20190422	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7192992 BB	20190514	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20190320
US7192992 BB	20241209	PEXP		Calculated Patent Term Expiry (PTA 7 days and a terminal disclaimer has been filed)	
US7238731 BB	20070703	LSGT	+	granted / extensions (spc, cpc, pte)	
US7238731 BB	20050308	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAMSEY, SALLY J.W.; REEL/FRAME:016372/0533 EFFECTIVE DATE : 20050308
US7238731 BB	20070613	LSGT	PAT1	Patented Case	
US7238731 BB	20110311	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7238731 BB	20140519	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SALPIETRA, JOHN M. "PETE", MICHIGAN OLDPARTY : FORECLOSURE; ASSIGNOR:ECOLOGY COATINGS, INC.; REEL/FRAME:033133/0828 EFFECTIVE DATE : 20140427
US7238731 BB	20150617	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7238731 BB	20180615	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RAMSEY, SALLY W., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SALPIETRA, JOHN M. "PETE"; REEL/FRAME:046096/0754 EFFECTIVE DATE : 20180608
US7238731 BB	20190218	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7238731 BB	20250721	PEXP		Calculated Patent Term Expiry (PTA 135 days and a terminal disclaimer has been filed)	
US7425586 BB	20080916	LSGT	+	granted / extensions (spc, cpc, pte)	
US7425586 BB	20080827	LSGT	PAT1	Patented Case	
US7425586 BB	20120316	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

US7425586 BB	20160916	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7425586 BB	20161017	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7425586 BB	20161017	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7425586 BB	20161108	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20160916
US7425586 BB	20261211	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US7498362 BB	20090303	LSGT	+	granted / extensions (spc, cpc, pte)	
US7498362 BB	20051024	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ECOLOGY COATINGS, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RAMSEY, SALLY JUDITH WEINE; REEL/FRAME:017147/0488 EFFECTIVE DATE : 20051024
US7498362 BB	20090211	LSGT	PAT1	Patented Case	
US7498362 BB	20091124	LSRE	CC	CERTIFICATE OF CORRECTION	
US7498362 BB	20120904	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7498362 BB	20140519	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SALPIETRA, JOHN M. "PETE", MICHIGAN OLDPARTY : FORECLOSURE; ASSIGNOR:ECOLOGY COATINGS, INC.; REEL/FRAME:033133/0828 EFFECTIVE DATE : 20140427
US7498362 BB	20170303	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7498362 BB	20170403	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7498362 BB	20170425	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20170303
US7498362 BB	20170904	LSRE	+PRDP	PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE	EFFECTIVE DATE : 20170905
US7498362 BB	20170905	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : SURCHARGE, PETITION TO ACCEPT PYMT AFTER EXP, UNINTENTIONAL. (ORIGINAL EVENT CODE: M2558); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7498362 BB	20170905	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO SMALL (ORIGINAL EVENT CODE: SMAL)
US7498362 BB	20170905	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : PETITION RELATED TO MAINTENANCE FEES FILED (ORIGINAL EVENT CODE: PMFP)
US7498362 BB	20170905	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : PETITION RELATED TO MAINTENANCE FEES GRANTED (ORIGINAL EVENT CODE: PMFG)
US7498362 BB	20170905	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8

US7498362 BB	20170905	LSGT	PAT1	Patented Case	
US7498362 BB	20170905	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7498362 BB	20180615	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RAMSEY, SALLY W., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SALPIETRA, JOHN M. "PETE"; REEL/FRAME:046096/0754 EFFECTIVE DATE : 20180608
US7498362 BB	20260202	PEXP		Calculated Patent Term Expiry (PTA 101 days and a terminal disclaimer has been filed)	
WO05076894 A2	20050825	LSPB	+	published / reissued	
WO05076894 A3	20060719	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2553856 COUNTRY OF REF DOCUMENT : CA
WO05076894 A3	20060803	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005712730 COUNTRY OF REF DOCUMENT : EP
WO05076894 A3	20060803	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200580003994.1 COUNTRY OF REF DOCUMENT : CN
WO05076894 A3	20060805	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO05076894 A3	20060805	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : DE
WO05076894 A3	20061102	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005712730 COUNTRY OF REF DOCUMENT : EP
WO05087817 A1	20050922	LSPB	+	published / reissued	
WO05087817 A1	20060901	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2558425 COUNTRY OF REF DOCUMENT : CA
WO05087817 A1	20060901	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005725108 COUNTRY OF REF DOCUMENT : EP
WO05087817 A1	20060907	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200580007317.7 COUNTRY OF REF DOCUMENT : CN
WO05087817 A1	20060909	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO05087817 A1	20060909	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : DE
WO05087817 A1	20061122	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005725108 COUNTRY OF REF DOCUMENT : EP

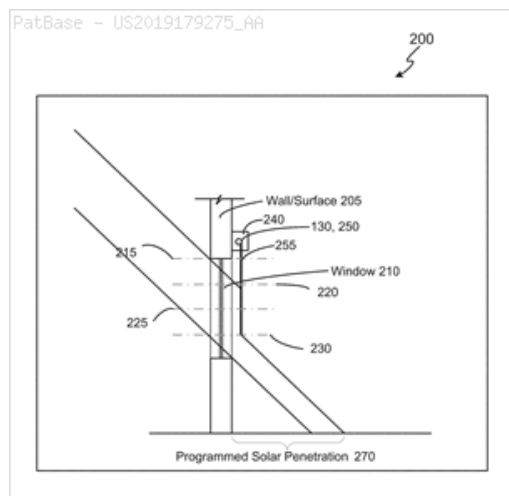
Title: TARGETED ILLUMINATION SYSTEM

Abstract: To allow more daylighting and protect against direct solar radiation, the system may include a window shading system that impacts an area (or area of interest). The system may adjust different window shades in different ways and for different periods of time to protect against a direct solar radiation onto an area of interest. The system may provide targeted shadows onto the area of interest. The system may also analyze or predict angles of solar rays that comprise the direct solar radiation and determine an impact of the solar rays on the area of interest, wherein the adjusting of window shades is based on the determining.

Classifications:

International (IPC 8-9): E06B9/24 G05B19/042 (Advanced/Invention)

CPC: G05B19/042 E04H3/06 E06B9/24



Family:

Publication number	Publication date	Application number	Application date
GB201820112 A0	20190123	GB20180020112	20181211
US2019179275 AA	20190613	US20180213637	20181207

Priority:

US20170597285P 20171211 US20180213637 20181207

Probable Assignee: MECHOSHADE SYSTEMS LLC

Assignee(s): (std): MECHOSHADE SYSTEMS LLC

Inventor(s): BERMAN JOEL ; GREENSPAN ALEX ; LIARNO XI MING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2019179275 AA	20190613	LSPB	+	published / reissued	

Title: ECTOPARASITICIDALLY ACTIVE 2-ARYLAMINO-1-ALKYL LACTAMS

Abstract: ABSTRACT OF THE DISCLOSURE Compositions and methods of using certain 2-arylimino-1-alkyl lactams of the formula (CH₃)_n (I) in which one of X and Y is halogen and the other is halogen or lower alkyl, R is alkyl or alkenyl with up to 6 carbón atoms, and n is 4 or 5, which possess strong parasitocidal properties, especially animal acarid ectoparasitocidal properties.

Classifications:

International (IPC 8-9): A01N43/34 A45D20/24 A61K31/395

C07D211/72 (Advanced/Invention);

A01N43/34 A45D20/00 A61K31/395 C07D211/00 (Core/Invention)

International (IPC 1-7): A01N17/00 A01N43/34 A01N9/00 A01N9/22

A61K27/00 A61K31/395 C07D211/68 C07D211/72 C07D223/12

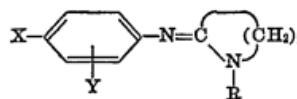
C07D227/10 C07D29/00 C07D29/26 C07D41/00 C07D41/02 C07D41/04

CPC: A01N43/34 A45D20/24 A61K31/395 C07D211/72

European: 124HB11A 124HB41A2 A01N43/34 A45D20/24 A61K31/395 C07D211/72

US: 424/26.7 514/217.11 514/329

PatBase - US3737543_R



(I)

Family:

Publication number	Publication date	Application number	Application date
BE758363 A	19710503		00000000
BE758363 A1	19710503		19701103
CH545063 A	19731215	CH19700016274	19701103
DE1955072 A1	19710513	DE19691955072	19691103
ES385151 A1	19730416	ES19700385151	19701103
FR2073321 A1	19711001	FR19700039510	19701103
FR2073321 B1	19741115	FR19700039510	19701103
GB1270778 A	19720412	GB19700052213	19701103
IL35452 A0	19701224	IL19700035452	19701014
IL35452 A1	19730531	IL19700035452	19701014
NL7015823 A	19710505	NL19700015823	19701028
US3737543 A	19730605	US19700081983	19701019
ZA7007169 A	19710728	ZA19700007169	19701021

Priority:

DE19691955072 19691103

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AG DT ; BAYER AKTIENGESELLSCHAFT ; F BAYER AG ; FARBENFAB BAYER AG DT ; FARBENFABRIKEN BAYER AKTIENGESELLSCHAFT ; FARBENFABRIKEN BAYER ; FARBENFABRIKEN BAYER AG ; FARBENFABRIKEN BAYER A G A LEVERKUSEN ALLEMAGNE ; FARBENFABRIKEN BAYER A G

Inventor(s): (std): ENDERS EDGAR ; ENDERS EDGAR DR ; STENDEL W ; ENDERS E ; STENDEL WILHELM ; STENDEL WILHELM DR

Inventor(s): WILHELM STENDEL ; ENDERS E DT ; STENDEL W DT ; EDGAR ENDERS

Agent(s): REINHOLD COHN AND PARTNERS

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BE758363 A	19710503	LSPB	+	published / reissued	
BE758363 A1	19710503	LSPB	+	published / reissued	
CH545063 A	19731215	LSGT	+	granted / extensions (spc, cpc, pte)	
CH545063 A	19760615	LSLE	-PL	PATENT CEASED	
CH545063 A	19901103	PEXP		Calculated Patent Term Expiry	
DE1955072 A1	19710513	LSPB	+	published / reissued	
ES385151 A1	19730416	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2073321 A1	19711001	LSPB	+	published / reissued	
FR2073321 B1	19741115	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2073321 B1	19770107	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2073321 B1	19901103	PEXP		Calculated Patent Term Expiry	
GB1270778 A	19720412	LSGT	+	granted / extensions (spc, cpc, pte)	
GB1270778 A	19720823	LSGT	+PS	PATENT SEALED	
GB1270778 A	19760603	LSLE	-PLNP	PATENT LAPSED THROUGH NONPAYMENT OF RENEWAL FEES	
GB1270778 A	19901103	PEXP		Calculated Patent Term Expiry	

IL35452 A1	19730531	LSPB	+	published / reissued
NL7015823 A	19710505	LSPB	+	published / reissued
US3737543 A	19730605	LSGT	+	granted / extensions (spc, cpc, pte)
ZA7007169 A	19710728	LSGT	+	granted / extensions (spc, cpc, pte)
ZA7007169 A	19861020	PEXP		Calculated Patent Term Expiry

Title: Barn

Abstract: The stall comprises two structural units with an inner cell (2) surrounded by a structural building. Inside the building is a first inner space and inside the inner cell is a second inner space with the two inner spaces separated from each other by a wall of the inner cell. The animals are kept inside the second inner space. The building is made from a good **heat** insulating material and at least one part of the wall of the inner cell has good **heat** conductivity. An opening for fresh air can be provided in the outer building and is directed into the gable area (5) where it can **heat** up.

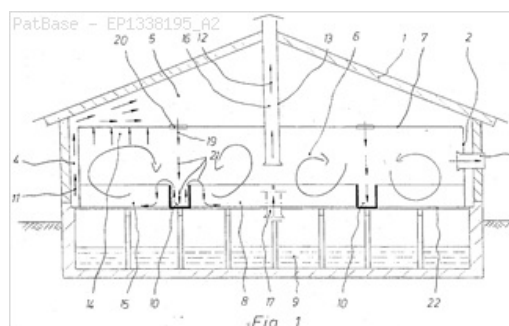
Classifications:

International (IPC 8-9): A01K1/00 (Advanced/Invention);
A01K1/00 (Core/Invention)

International (IPC 1-7): A01K1/00 E04H5/08 F24F7/00

CPC: A01K1/00

European: A01K1/00

**Family:**

Publication number	Publication date	Application number	Application date
AT295075 E	20050515	AT20030004107T	20030226
DE10208298 A1	20030911	DE20021008298	20020226
DE50300521 D1	20050616	DE20035000521	20030226
EP1338195 A2	20030827	EP20030004107	20030226
EP1338195 A3	20040211	EP20030004107	20030226
EP1338195 B1	20050511	EP20030004107	20030226

Priority:

DE20021008298 20020226 DE20035000521 20030226

Probable Assignee: BUSCHENLANGE GUENTER

Assignee(s): (std): BULLERMANN SIEGBERT ; BUSCHENLANGE GUENTER ; BUSCHENLANGE GUENTHER ; GRAUE MICHAEL

Inventor(s): (std): BULLERMANN SIEGBERT ; GRAUE MICHAEL ; BUSCHENLANGE GUENTHER ; BUSCHENLANGE GUENTER

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT295075 E	20050515	LSGT	+	granted / extensions (spc, cpc, pte)	
AT295075 E	20070515	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT295075 E	20230226	PEXP		Calculated Patent Term Expiry	
DE10208298 A1	20030911	LSPB	+	published / reissued	
DE10208298 A1	20030911	LSSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE10208298 A1	20061214	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
DE50300521 D1	20060608	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
EP1338195 A2	20030827	LSPB	+	published / reissued	
EP1338195 A3	20041013	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040811
EP1338195 A3	20041103	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT : BE COUNTRY OF REF DOCUMENT : BG COUNTRY OF REF DOCUMENT : CH COUNTRY OF REF DOCUMENT : CY COUNTRY OF REF DOCUMENT : CZ COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : DK COUNTRY OF REF DOCUMENT : EE COUNTRY OF REF DOCUMENT : ES COUNTRY OF REF DOCUMENT : FI

COUNTRY OF REF DOCUMENT : FR
 COUNTRY OF REF DOCUMENT : GB
 COUNTRY OF REF DOCUMENT : GR
 COUNTRY OF REF DOCUMENT : HU
 COUNTRY OF REF DOCUMENT : IE
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 COUNTRY OF REF DOCUMENT : NL
 COUNTRY OF REF DOCUMENT : PT
 COUNTRY OF REF DOCUMENT : SE
 COUNTRY OF REF DOCUMENT : SI
 COUNTRY OF REF DOCUMENT : SK
 COUNTRY OF REF DOCUMENT : TR

EP1338195 B1	20050511	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1338195 B1	20050511	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050511
EP1338195 B1	20050511	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050511
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EP1338195 B1	20050511	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050511
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					TEXT : NOT ENGLISH
EP1338195 B1	20050513	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1338195 B1	20050615	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP1338195 B1	20050811	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050811
EP1338195 B1	20050811	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050811
EP1338195 B1	20050811	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050811
EP1338195 B1	20050811	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050811
EP1338195 B1	20050822	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050822
EP1338195 B1	20051019	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20051019
EP1338195 B1	20051101	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	REF COUNTRY CODE : EP
EP1338195 B1	20051112	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20051112
EP1338195 B1	20051207	LSWD	-GBV	GB: EP PATENT (UK) TREATED AS ALWAYS HAVING BEEN VOID IN ACCORDANCE WITH GB SECTION 77(7)/1977	REF COUNTRY CODE : EP EFFECTIVE DATE : 20050511
EP1338195 B1	20051229	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FD4D
EP1338195 B1	20060226	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : AT

EP1338195 B1	20060228	LSLE	-PG25	CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060226 COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060228
EP1338195 B1	20060228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060228
EP1338195 B1	20060228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060228
EP1338195 B1	20060503	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20060214
EP1338195 B1	20070228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20070228
EP1338195 B1	20070228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20070228
EP1338195 B1	20071015	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1338195 B1	20071231	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : BUSCHENLANGE, GUNTHER EFFECTIVE DATE : 20060228
EP1338195 B1	20071231	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : GRAUE, MICHAEL EFFECTIVE DATE : 20060228
EP1338195 B1	20071231	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : BULLERMANN, SIEGBERT EFFECTIVE DATE : 20060228
EP1338195 B1	20080630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20050511
EP1338195 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20050511
EP1338195 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20050511

EP1338195 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050511
EP1338195 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170721 YEAR OF FEE PAYMENT : 15
EP1338195 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180416 YEAR OF FEE PAYMENT : 16
EP1338195 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190305 YEAR OF FEE PAYMENT : 17
EP1338195 B1	20230226	PEXP		Calculated Patent Term Expiry	

Title: PROCESSING SENSOR DATA

Abstract: Methods, systems, computer-readable media, and apparatuses for processing sensor data are presented. In some embodiments, a security server may receive sensor data from one or more sensors that are located at a premises. Subsequently, the security server may classify a first portion of the received sensor data as critical sensor data, (e.g., based on the first portion of the received sensor data being associated with a critical function). In addition, the security server may classify a second portion of the received sensor data as non-critical sensor data (e.g., based on the second portion of the received sensor data being associated with a non-critical function). Thereafter, the security server may process the critical sensor data, and further may provide the non-critical sensor data to a network server for processing.

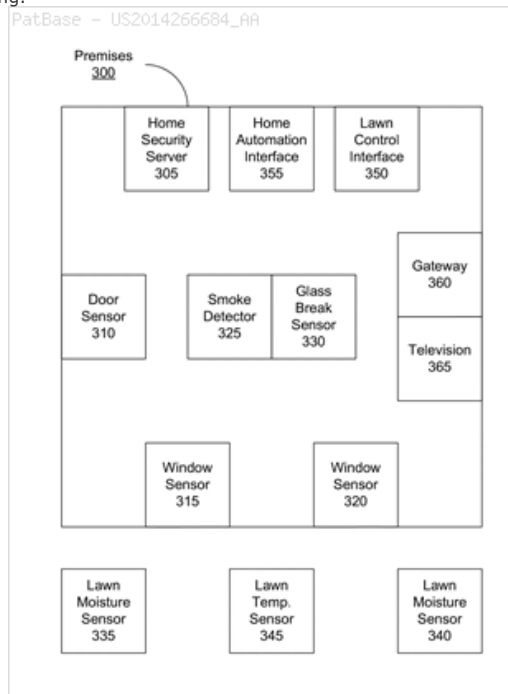
Classifications:

International (IPC 8-9): G08B19/00 G08B25/00 (Advanced/Invention);

G06F1/00 H04W4/00 (Advanced/Non-invention)

CPC: G06F1/00 H04W4/00 G08B25/001 G08B25/003

US: 1/1 340/521

**Family:**

Publication number	Publication date	Application number	Application date
US2014266684 AA	20140918	US20130804274	20130314
US2016189524 AA	20160630	US20150985671	20151231
US2018144610 AA	20180524	US20170629309	20170621
US9262906 BB	20160216	US20130804274	20130314
US9715818 BB	20170725	US20150985671	20151231
US10217348 BB	20190226	US20170629309	20170621

Priority:

US20130804274 20130314 US20150985671 20151231 US20170629309 20170621

Probable Assignee: COMCAST CABLE COMMUNICATIONS LLC

Assignee(s): (std): GATTIS GALEN TREVOR ; KENNEDY CHRIS ; SERVISS KAREN ; PODER JAMES ; COMCAST CABLE COMM LLC

Assignee(s): COMCAST CABLE COMMUNICATIONS LLC

Inventor(s): (std): GATTIS GALEN TREVOR ; SERVISS KAREN ; PODER JAMES ; KENNEDY CHRIS

Agent(s): BANNER AND WITCOFF LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US10217348 BB	20190226	LSGT	+	granted / extensions (spc, cpc, pte)	
US10217348 BB	20190206	LSGT	PAT1	Patented Case	
US10217348 BB	20370621	PEXP		Calculated Patent Term Expiry	
US2014266684 AA	20140918	LSPB	+	published / reissued	

US2014266684 AA	20160127	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016189524 AA	20160630	LSPB	+	published / reissued	
US2016189524 AA	20160714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COMCAST CABLE COMMUNICATIONS, LLC, PENNSYLVANIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PODER, JAMES; GATTIS, GALEN TREVOR; KENNEDY, CHRIS; AND OTHERS; SIGNING DATES FROM 20130319 TO 20130505; REEL/FRAME:039157/0896
US2016189524 AA	20170317	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016189524 AA	20170621	LSFE	+PPR1	Publications - - Issue Fee Payment Received	
US2016189524 AA	20170622	LSFE	+PPV1	Publications - - Issue Fee Payment Verified	
US2016189524 AA	20170703	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2018144610 AA	20180524	LSPB	+	published / reissued	
US2018144610 AA	20181127	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COMCAST CABLE COMMUNICATIONS, LLC, PENNSYLVANIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PODER, JAMES; GATTIS, GALEN TREVOR; KENNEDY, CHRIS; AND OTHERS; SIGNING DATES FROM 20130319 TO 20130505; REEL/FRAME:047590/0748
US2018144610 AA	20190110	LSFE	+PPV1	Publications - - Issue Fee Payment Verified	
US2018144610 AA	20190206	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9262906 BB	20160216	LSGT	+	granted / extensions (spc, cpc, pte)	
US9262906 BB	20130509	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COMCAST CABLE COMMUNICATIONS, LLC, PENNSYLVANIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PODER, JAMES; GATTIS, GALEN TREVOR; KENNEDY, CHRIS; AND OTHERS; SIGNING DATES FROM 20130319 TO 20130505; REEL/FRAME:030383/0197
US9262906 BB	20151005	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US9262906 BB	20160127	LSGT	PAT1	Patented Case	
US9262906 BB	20180605	LSRE	CC	CERTIFICATE OF CORRECTION	
US9262906 BB	20331027	PEXP		Calculated Patent Term Expiry (PTA 227 days)	

US9715818 BB	20170725	LSGT	+	granted / extensions (spc, cpc, pte)
US9715818 BB	20170703	LSGT	PAT1	Patented Case
US9715818 BB	20190108	LSRE	CC	CERTIFICATE OF CORRECTION
US9715818 BB	20351231	PEXP		Calculated Patent Term Expiry

Title: Waermetraeger

Abstract: Source: DE202012003563U1 [DE] Waermetraeger, bestehend Schamotte, aus einem schamottehaltigen Gemisch oder einem keramischen Werkstoff, dadurch gekennzeichnet, dass er allseitig mit einem Pulverlack beschichtet ist.

Machine translation: Waermetraeger consisting chamotte, a chamotte containing mixture or a ceramic material, characterized in that it is coated on all sides with a powder coating.

Classifications:

International (IPC 8-9): B05D7/26 F28D17/02 H05B3/10 H05B3/28 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
DE202012003563 U1	20120906	DE201220003563U	20120404

Priority:

DE201220003563U 20120404

Probable Assignee: LUCHT LHZ ELEKTROHEIZUNG GMBH AND CO KG

Assignee(s): (std): LUCHT LHZ ELEKTROHEIZUNG GMBH AND CO KG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202012003563 U1	20120906	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202012003563 U1	20120906	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20120906
DE202012003563 U1	20150424	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	
DE202012003563 U1	20150603	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20150424
DE202012003563 U1	20180425	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	
DE202012003563 U1	20220404	PEXP		Calculated Patent Term Expiry	

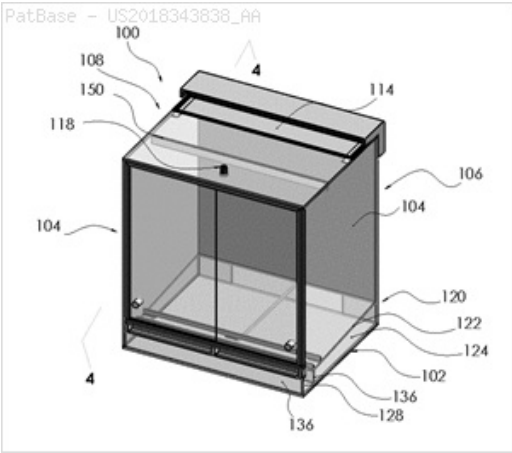
Title: VIVARIUM SYSTEMS

Abstract: An enclosure capable of supporting one or more phyla of living plants and organisms includes various panels that form the enclosure along with at one front door panel movable to provide access to the interior of the enclosure. A water inlet port is arranged in the top assembly. A drainage system is located on the bottom of the enclosure includes a sloped drainage panel, a sump, and a drain tube. The enclosure further includes an air circulation and ventilation system having the upper vent screen and a lower vent screen separable by a circulation distance that generates a chimney effect within the enclosure. The enclosure may also include a microfauna trough on top of the drainage panel.

Classifications:

International (IPC 8-9): A01K63/00 (Advanced/Invention)

CPC: A01K63/006 A01K63/003 A01K63/04 A01K63/065



Family:

Publication number	Publication date	Application number	Application date
US2018343838 AA	20181206	US20180996989	20180604

Priority:

US20170603525P 20170605 US20180996989 20180604

Probable Assignee: RODMAN WILLIAM L

Assignee(s): (std): RODMAN WILLIAM L

Inventor(s): (std): RODMAN WILLIAM L

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2018343838 AA	20181206	LSPB	+	published / reissued	

Title: A **TERRARIUM**

Abstract: The present invention provides apparatus, 1 for containing a plant, 16, comprising a container, 2 with at least one first layer, 6 of granular material located in said container, wherein the at first layer comprises a binder that hardens over a period of time to secure first layer in the container. There may be a further layer, 4 of a finer grained material which is secured by the coarser first layer, with at least one recess, 14 within the first layer for locating a plant pot or a decorative object 8. The first layer maybe gravel, the further layer maybe sand and the binder maybe epoxy resin. Claims for a method and kit of parts of the same are also provided.

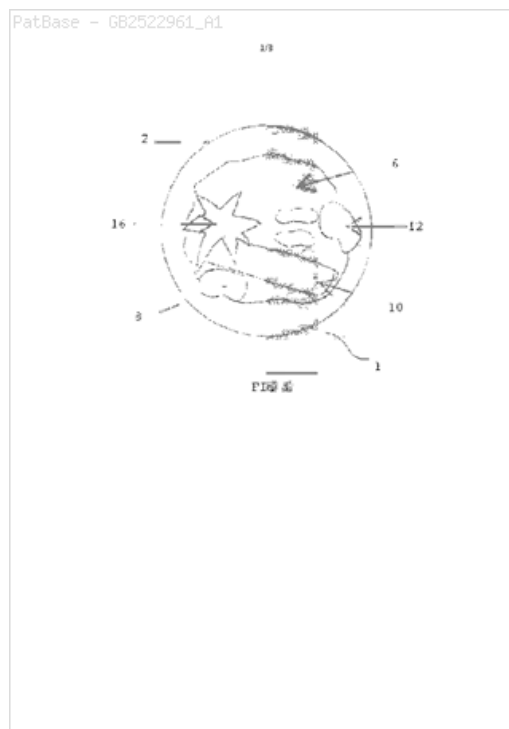
Classifications:

International (IPC 8-9): A01G9/02 A01G9/08

A01K63/00 (Advanced/Invention);

A01G9/08 (Advanced/Non-invention)

CPC: A01K63/003 A01G9/02 A01G9/08



Family:

Publication number	Publication date	Application number	Application date
GB201320535 A0	20140101	GB20130020535	20131120
GB201420501 A0	20141231	GB20140020501	20141118
GB2522961 A1	20150812	GB20140020501	20141118
GB2522961 B2	20180314	GB20140020501	20141118

Priority:

GB20130020535 20131120

Probable Assignee: SERAFI LUCY J

Assignee(s): (std): LUCY JANE SERAFI ; SERAFI LUCY J ; SERAFI LUCY JANE

Inventor(s): (std): LUCY JANE SERAFI ; SERAFI LUCY JANE

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Patent	Date recorded	Event group	Code	Event	Details
GB201320535 A0	20150318	LSWD	-AT	APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
GB2522961 A1	20150812	LSPB	+	published / reissued	
GB2522961 B2	20180314	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2522961 B2	20341118	PEXP		Calculated Patent Term Expiry	

Title: MULTI-USE PLANTING SYSTEM

Abstract: A container includes a top having downwardly extending walls adapted to releasably attach to upwardly extending walls of a bottom of a planter, the top of the container further adapted to releasably attach to the bottom of the planter so that when the downwardly extending walls of the container are attached to the upwardly extending walls of the planter the container functions as a **terrarium** enclosure and when the top of the container is attached to the bottom of the planter the container functions as a pedestal to support the planter.

Classifications:

International (IPC 8-9): A01G9/16 A47G7/00

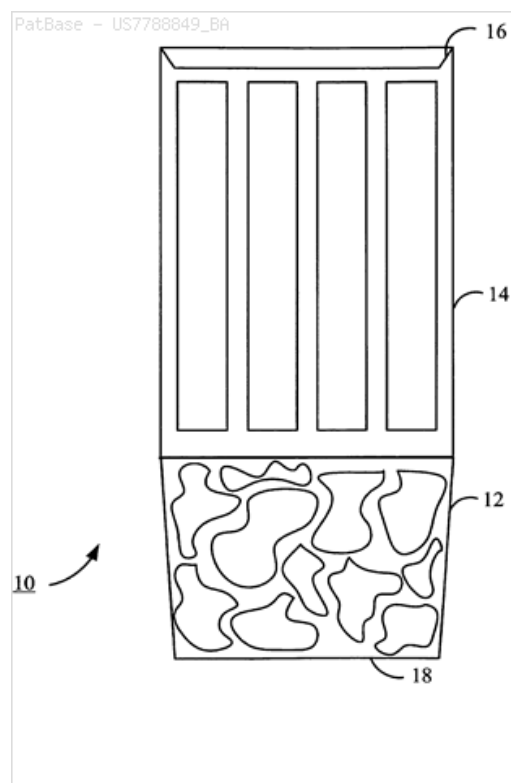
B65D21/02 (Advanced/Invention);

A01G9/16 B65D21/02 (Core/Invention)

CPC: Y02A40/254 A01G9/16 A01G9/029

European: A01G9/10 A01G9/16

US: 206/201 220/4.27 47/39 47/66.7 47/667 47/69



Family:

Publication number	Publication date	Application number	Application date
US7788849 BA	20100907	US20080283047	20080909
US7921600 BA	20110412	US20060536865	20060929

Priority:

US20060536865 20060929 US20080283047 20080909

Probable Assignee:

CLEVELAND GRANT

Assignee(s): (std):

CLEVELAND GRANT

Inventor(s): (std):

CLEVELAND GRANT

Agent(s):

BRYAN CAVE LLP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US7788849 BA	20100907	LSGT	+	granted / extensions (spc, cpc, pte)	
US7788849 BA	20100818	LSGT	PAT1	Patented Case	
US7788849 BA	20140307	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7788849 BA	20180423	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US7788849 BA	20181015	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7788849 BA	20181015	LSLE	-STCH	INFORMATION ON	TEXT : PATENT EXPIRED DUE TO

				STATUS: PATENT DISCONTINUATION	NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7788849 BA	20181106	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20180907
US7788849 BA	20281203	PEXP		Calculated Patent Term Expiry (PTA 85 days)	
US7921600 BA	20110412	LSGT	+	granted / extensions (spc, cpc, pte)	
US7921600 BA	20110323	LSGT	PAT1	Patented Case	
US7921600 BA	20110323	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7921600 BA	20141013	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7921600 BA	20181203	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7921600 BA	20190520	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7921600 BA	20190520	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7921600 BA	20270718	PEXP		Calculated Patent Term Expiry (PTA 292 days)	

Title: STRUCTURAL UNIT FOR AIR CONDITIONING PREMISES

Abstract: A structural unit for plant nourishment and air conditioning premises has a circuit (2) for water having an upper overflow vessel (16) and a lower collector (12) in which a support (15) extends between the vessels (16, 12), the supporting surface of which lies inside the cylindrical collector (12), has a cross-section which continuously tapers towards the upper side and over the outside of which the water from the overflow vessel (16) is intended to flow. The collector (12) is connected to a circular container (1) for plants in the manner of communicating vessels so that the liquid level inside the collector (12) and hence that inside the container (1) can be controlled by a control system (3). In addition, the circuit (2) has facilities for the control of the water temperature. Owing especially to the monitoring and control of the liquid level inside the container (1), a unit is provided which, in addition to the easy care of plants, makes a considerable contribution towards the air conditioning of the premises through the film-like outer flow over the support (15).

Classifications:

International (IPC 8-9): A01G31/02 B05B17/08

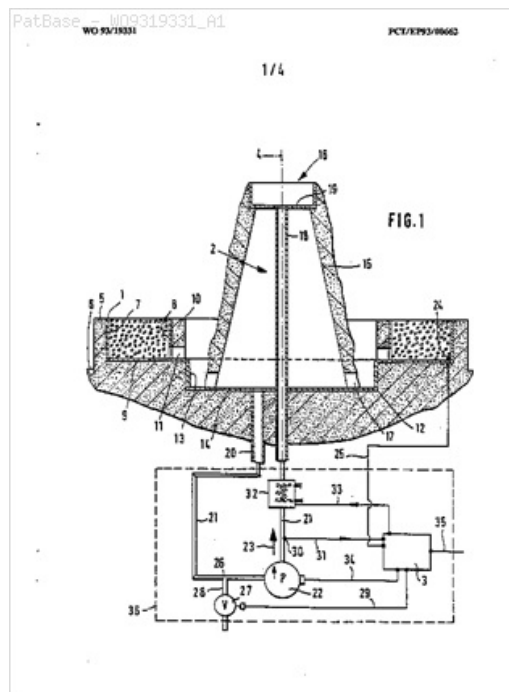
F24F6/04 (Advanced/Invention);

A01G31/02 B05B17/00 F24F6/02 (Core/Invention)

International (IPC 1-7): A01G27/00 A01G31/02 B05B17/08 F24F6/04

CPC: Y02P60/216 A01G31/02 B05B17/08 F24F6/04 F24F2006/003

European: A01G31/02 B05B17/08 F24F6/04 R24F6/00B



Family:

Publication number	Publication date	Application number	Application date
AT131589 E	19951215	AT19930906558T	19930319
DE4209570 A1	19930930	DE19924209570	19920325
DE4209570 C2	19950831	DE19924209570	19920325
EP0594801 A1	19940504	EP19930906558	19930319
EP0594801 B1	19951213	EP19930906558	19930319
WO9319331 A1	19930930	WO1993EP00662	19930319

Priority:

DE19924209570 19920325 DE19924209570 19920325 WO1993EP00662 19930319

Probable Assignee: GRUBER HEINZ

Assignee(s): (std): GRUBER HEINZ

Assignee(s): GRUBER HEINZ 38723 SEESEN DE

Inventor(s): (std): GRUBER HEINZ

Inventor(s): GRUBER HEINZ 38723 SEESEN DE

Designated states: AT BE CA CH DE DK ES FR GB GR IE IT JP LU MC NL PT SE US

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT131589 E	19951215	LSGT	+	granted / extensions (spc, cpc, pte)	
AT131589 E	20130319	PEXP		Calculated Patent Term Expiry	
DE4209570 A1	19930930	LSPB	+	published / reissued	
DE4209570 A1	19930930	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE4209570 C2	19950831	LSGT	+	granted / extensions (spc, cpc, pte)	
DE4209570 C2	19950831	LSGT	+D2	GRANT AFTER EXAMINATION	

DE4209570 C2	19960229	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE4209570 C2	19990408	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE4209570 C2	20120325	PEXP		Calculated Patent Term Expiry	
EP0594801 A1	19940504	LSPB	+	published / reissued	
EP0594801 A1	19940504	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19940211
EP0594801 A1	19950607	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19950424
EP0594801 B1	19951213	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0594801 B1	19951213	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : GRUBER, HEINZ
EP0594801 B1	19960327	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 19960327 YEAR OF FEE PAYMENT : 4
EP0594801 B1	19960329	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 19960329 YEAR OF FEE PAYMENT : 4
EP0594801 B1	19961204	LSGT	+26N	NO OPPOSITION FILED	
EP0594801 B1	19970319	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB LAPSED DATE : 19970319
EP0594801 B1	19970331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH LAPSED DATE : 19970331
EP0594801 B1	19970331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI LAPSED DATE : 19970331
EP0594801 B1	19970929	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 19970929 YEAR OF FEE PAYMENT : 5
EP0594801 B1	19971001	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL LAPSED DATE : 19971001
EP0594801 B1	19971112	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 19970319
EP0594801 B1	19971114	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0594801 B1	19971128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19971128
EP0594801 B1	19971201	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 19971001

EP0594801 B1	19980130	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0594801 B1	19980319	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19980319
EP0594801 B1	20130319	PEXP		Calculated Patent Term Expiry	
WO9319331 A1	19930930	LSPB	+	published / reissued	
WO9319331 A1	19940211	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1993906558 COUNTRY OF REF DOCUMENT : EP
WO9319331 A1	19940504	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1993906558 COUNTRY OF REF DOCUMENT : EP
WO9319331 A1	19950125	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : CA
WO9319331 A1	19951213	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1993906558 COUNTRY OF REF DOCUMENT : EP

Title: Plant package

Abstract: A plant package is disclosed which protects and maintains the plant during shipment, storage and display and which permits the marketing of plants through self-service outlets. The package has an outer light-transmissive plastic container which is generally prismatic-shaped with a polygonal cross section. The container has generally flat rectangular side panels connected by upright supporting seams. The container is hermetically sealed, and preferably inflated. Within the container, there is a flexible closed bag which contains the plant roots and soil. The soil bag has holes therein for the transmission of moisture from the bottom of the container to the plant roots.

Classifications:

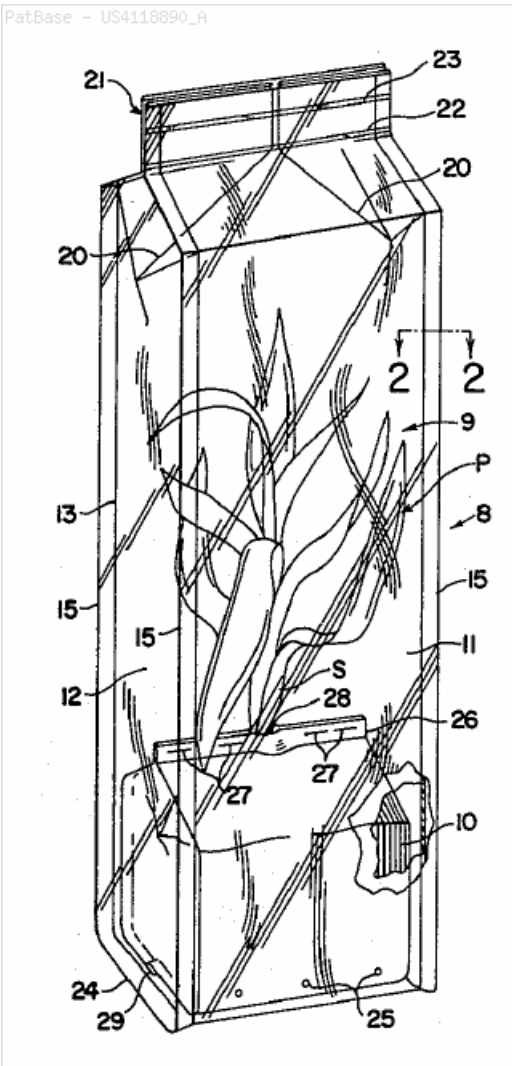
International (IPC 8-9): B65D85/52 (Advanced/Invention);
B65D85/52 (Core/Invention)

International (IPC 1-7): A01G9/02 A47G7/08

CPC: B65D85/52

European: B65D85/52

US: 206/423 47/28R 47/29.3 47/69 47/84



Family:

Publication number	Publication date	Application number	Application date
US4118890 A	19781010	US19770768976	19770216

Priority:

US19770768976 19770216

Probable Assignee: AGRIPAK INC

Assignee(s): (std): SHORE WILLIAM S

Assignee(s): AGRIPAK INC ; HOME E NV ; HOME ENVIRONMENTAL PRODUCTS INC

Inventor(s): (std): SHORE WILLIAM S

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US4118890 A	19781010	LSGT	+	granted / extensions (spc, cpc, pte)	
US4118890 A	19920402	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : HOME ENVIRONMENTAL PRODUCTS, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:SHORE, WILLIAM S.; REEL/FRAME:006056/0531 EFFECTIVE DATE : 19911105
US4118890 A	19940728	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AGRIPAK, INC., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HOME ENVIRONMENTAL PRODUCTS, INC.; REEL/FRAME:007066/0584 EFFECTIVE DATE : 19940527

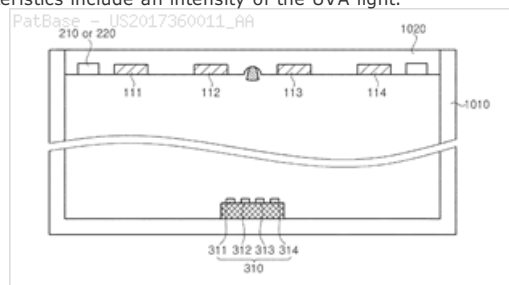
Title: LIGHTING SYSTEM FOR REPTILE AND REPTILE HABITAT INCLUDING THE SAME

Abstract: A lighting system includes an ultraviolet (UV) light source including a UVA light source configured to emit UVA light having various wavelengths; and a UVB light source configured to emit UVB light and control a lighting direction of the UVB light towards a target, a sensor including a UVA sensor configured to sense the UVA light, and a control unit configured to control lighting characteristics of the UV light source, in which the lighting characteristics include an intensity of the UVA light.

Classifications:

International (IPC 8-9): A01K63/06 F21V23/04 (Advanced/Invention)

CPC: A01K63/065 F21V23/0457



Family:

Publication number	Publication date	Application number	Application date
US2017360011 AA	20171221	US20160187229	20160620

Priority:

US20160187229 20160620

Probable Assignee: SEOUL VIOSYS CO LTD

Assignee(s): (std): SENSOR ELECTRONIC TECH INC ; SEOUL VIOSYS CO LTD

Assignee(s): SENSOR ELECTRONIC TECHNOLOGY INC ; SEOUL VIOSYS CO

Inventor(s): (std): SHATALOV MAX ; LAKIOS EMMANUEL ; BETTLES TIMOTHY ; DOBRINSKY ALEX

Legal status (INPADOC)

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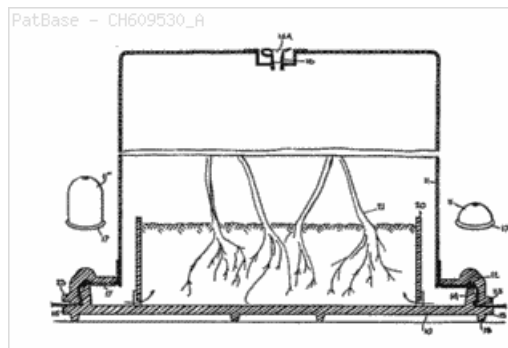
Patent	Date recorded	Event group	Code	Event	Details
US2017360011 AA	20171221	LSPB	+	published / reissued	
US2017360011 AA	20160620	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SENSOR ELECTRONIC TECHNOLOGY, INC., SOUTH CAROLINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LAKIOS, EMMANUEL; SHATALOV, MAX; BETTLES, TIMOTHY; AND OTHERS; SIGNING DATES FROM 20160608 TO 20160610; REEL/FRAME:038960/0619
US2017360011 AA	20160620	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SEOUL VIOSYS CO., LTD., KOREA, REPUBLIC OF OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LAKIOS, EMMANUEL; SHATALOV, MAX; BETTLES, TIMOTHY; AND OTHERS; SIGNING DATES FROM 20160608 TO 20160610; REEL/FRAME:038960/0619
US2017360011 AA	20180226	LSES	NFA1	Non Final Action Mailed	
US2017360011 AA	20190222	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : FINAL REJECTION MAILED

Title: TERRARIUM

Abstract: The **terrarium** comprises a circular bottom (10) and a light-permeable bell (11). The bell (11) consists of a flexible, non-self-supporting bag made of transparent plastic foil, from the circular opening of which an annular border (17) extends outwards. For fastening the bell (11) on the bottom (10) and its hermetic sealing, an elastic clamping ring (12) is provided, which clamps the border (17) on a circular rib (14) which rises on the edge (15) of the bottom (10). A device (16, 16A) is also provided for inflating and erecting the bell.

Classifications:

International (IPC 8-9): A01G13/04 A01G9/02
A01K63/00 (Advanced/Invention);
A01G13/04 A01G9/02 A01K63/00 (Core/Invention)
International (IPC 1-7): A01G9/02 A01K64/00
CPC: A01G9/02 A01G13/04 A01K63/003
European: A01G13/04 A01G9/02 A01K63/00A

**Family:**

Publication number	Publication date	Application number	Application date
CH609530 A	19790315	CH19760000205	19760109

Priority:

CH19760000205 19760109

Probable Assignee: APPLIED RES COMMODITIES

Assignee(s): (std) APPLIED RES COMMODITIES

Assignee(s): APPLIED RESEARCH COMMODITIES IND INC ; APPLIED RESEARCH COMMODITIES INDUSTRIES INC

Inventor(s): (std) SPECTOR DONALD

Inventor(s): DONALD SPECTOR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CH609530 A	19790315	LSGT	+	granted / extensions (spc, cpc, pte)	
CH609530 A	19810930	LSLE	-PL	PATENT CEASED	
CH609530 A	19960109	PEXP		Calculated Patent Term Expiry	

Abstract: An electric fireplace insert assembly includes a fireplace insert, an ember bed module and a candelabra module. The ember bed module and the candelabra module are interchangeably installed within a firebox cavity defined within the front of the fireplace insert. The candelabra module may be separately operable from the fireplace insert, providing an additional decorative display. The electric fireplace insert may further include a projector module configured to project a simulated flame onto a rear wall of the fireplace cavity. The electric fireplace insert further includes a **heat**/blower unit to provide space **heater** functionality and a flame simulation assembly.

International (IPC 8-9): F24C 15/02 F24C 15/06 F24C 7/00
F24D 13/00 (Advanced/Invention)

CPC: F24C7/004 F24C15/003 F21S10/04 F24C15/028 F24C15/06 A61L9/02



Publication number	Publication date	Application number	Application date
CA2938508 AA	20170909	CA20162938508	20160810
CN107178802 A	20170919	CN201610849646	20160926
CN206330162 U	20170714	CN201621079513U	20160926
US2017261212 AA	20170914	US20160167234	20160527

US20160306059P 20160309 US20160167234 20160527 CN201621079513U 20160926

Assignee(s): (std): LF CENTENNIAL LTD

Assignee(s): TAO LETAO ; LIVING STYLE BVI LTD ; BAADE JONELL ; KOHLER PAUL ALBERT ; LEE SHING CO LTD

Inventor(s): (std): KOHLER PAUL ALBERT ; BAADE JONELL ; TAO LETAO

Agent(s): FETHERSTONHAUGH AND CO

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Patent	Date recorded	Event group	Code	Event	Details
CA2938508 AA	20170909	LSPB	+	published / reissued	
CN107178802 A	20170919	LSPB	+	published / reissued	
CN107178802 A	20170919	LSPB	PB01	PUBLICATION	
CN206330162 U	20170714	LSGT	+	granted / extensions (spc, cpc, pte)	
CN206330162 U	20170714	LSGT	+GR01	PATENT GRANT	
CN206330162 U	20181228	LSAS	TR01	TRANSFER OF PATENT RIGHT	

CN206330162 U	20260926	PEXP		Calculated Patent Term Expiry	
US2017261212 AA	20170914	LSPB	+	published / reissued	
US2017261212 AA	20160527	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LF CENTENNIAL LIMITED, VIRGIN ISLANDS, BRITISH OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TAO, LETAO; BAADE, JONELL; KOHLER, PAUL A.; SIGNING DATES FROM 20160223 TO 20160516; REEL/FRAME:038739/0285
US2017261212 AA	20180928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LIVING STYLE (B.V.I.) LIMITED, VIRGIN ISLANDS, BRI OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LF CENTENNIAL LIMITED; REEL/FRAME:047160/0352 EFFECTIVE DATE : 20171214
US2017261212 AA	20181114	LSES	NFA1	Non Final Action Mailed	

Title: Decorative shelf system for aquarium or **terrarium**

Abstract: A shelf system which provides a decorative ornament for use inside of aquariums or **terrariums**. A rigid planar sheet is provided with a means for removable attachment to the inside surface of the wall of an aquarium at any height along the wall. The attachment means does not alter the ability of the wall to hold water in the aquarium while maintaining a secure attachment to the inner surface of the aquarium wall. The shelf may be provided with ornamentation, particularly a decorative texture on the outer edge and it may be provided with a supporting column.

Classifications:

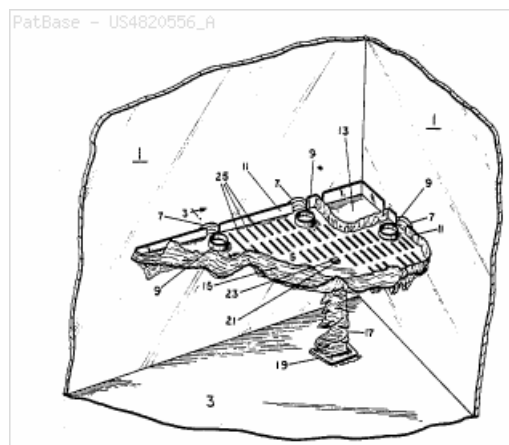
International (IPC 8-9): A01K63/00 (Advanced/Invention)

International (IPC 1-7): A01K63/00 A01N1/00 A47G33/04 E04H3/16

CPC: A01K63/006

European: A01K63/00A1

US: 119/253 119/5 210/169 428/11 428/15 428/7



Family:

Publication number	Publication date	Application number	Application date
US4820556 A	19890411	US19870056301	19870601

Priority:

US19850743179 19850610 US19870056301 19870601

Probable Assignee: PENN PLAX PLASTICS INC

Assignee(s): (std): PENN PLAX PLASTICS INC

Assignee(s): CHASE MANHATTAN BANK

Inventor(s): (std): GOLDMAN JEROME ; GOLDMAN MARVIN ; PHILLIPS GERALD ; SAUERMAN ERIC

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US4820556 A	19890411	LSGT	+	granted / extensions (spc, cpc, pte)	
US4820556 A	19890208	LSGT	PAT1	Patented Case	
US4820556 A	19930406	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4820556 A	19961010	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4820556 A	19970401	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CHASE MANHATTAN BANK, THE, NEW YORK OLDPARTY : SECURITY INTEREST; ASSIGNOR:PENN-PLAX, INC.; REEL/FRAME:008454/0672 EFFECTIVE DATE : 19960630
US4820556 A	19970411	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CHASE MANHATTAN BANK, THE, NEW YORK OLDPARTY : SECURITY INTEREST; ASSIGNOR:PENN-PLAX, INC.; REEL/FRAME:008423/0224 EFFECTIVE DATE : 19960630
US4820556 A	20010408	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4820556 A	20010612	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20010411
US4820556 A	20180130	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	

US4820556 A	20180130	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
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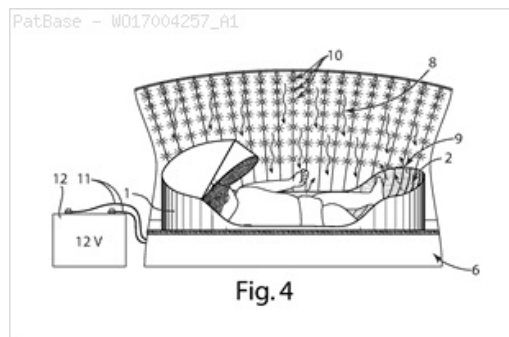
Title: POSITIONING DEVICE FOR USE IN THERAPEUTIC TREATMENT

Abstract: Disclosed is a positioning device for use in a compound portable phototherapy device to contain and enhance therapeutic treatment to a subject. The positioning device comprises an inner surface composed of a non-porous, light reflective material, as well as an outer surface that may be opaque. Use of the positioning device in conjunction with a phototherapy device secures advantages of increased incident light directed on a subject and a controlled thermal environment for the subject. The positioning device may be portable and may be pliable, capable of being rolled or compressed. The positioning device may optionally include a visor, venting, and stabilizing cushioning. The positioning device may optionally include a thermal regulation element.

Classifications:

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

CPC: A61N5/0621 A61N2005/0638 A61N2005/0652 A61N2005/0662 A61N2005/0666 A61N2005/0667 A61F7/0097 A61F7/08



Family:

Publication number	Publication date	Application number	Application date
EP3313514 A1	20180502	EP20160818721	20160629
EP3313514 A4	20190313	EP20160818721	20160629
WO17004257 A1	20170105	WO2016US40187	20160629

Priority:

US20150185955P 20150629 WO2016US40187 20160629

Probable Assignee: LITTLE SPARROWS TECH LLC

Assignee(s): (std): LITTLE SPARROWS TECH LLC

Assignee(s): LITTLE SPARROWS TECHNOLOGIES LLC

Inventor(s): (std): BREZINSKI DONNA ; GILBERT GARY

Agent(s): ABEL AND IMRAY; YANKWICH LEON R 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
EP3313514 A1	20180502	LSPB	+	published / reissued	
EP3313514 A1	20180502	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180126
EP3313514 A4	20190313	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20190211
EP3313514 A4	20190313	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61N 5/06 20060101AFI20190205BHEP
WO17004257 A1	20170105	LSPB	+	published / reissued	
WO17004257 A1	20171230	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17004257 A1	20180129	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2016818721 COUNTRY OF REF DOCUMENT : EP

Title: HEALTH STIMULATION DEVICES WITH VARIABLE LOW-VOLTAGE TUNERS AND OPTIONAL TEMPERATURE CONTROL

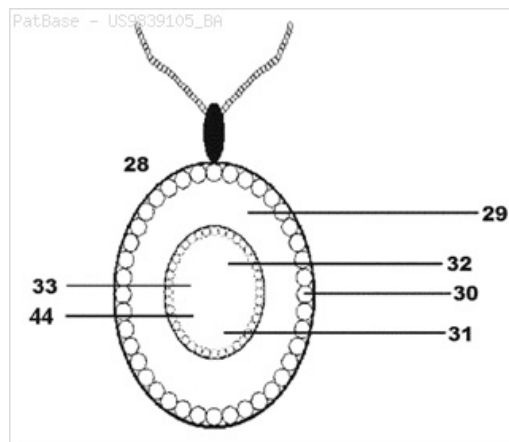
Abstract: The described devices, "grounded [ungrounded] stimulation devices" and "devices with [without] EMF removal", assist in maintaining and/or restoring bodily health primarily via two modes of operation: In one set of embodiments, by reducing or removing the effects of electromagnetic fields (EMFs) encountered in daily life, through grounding. In another set of embodiments, by stimulating and/or encouraging bodily healing processes through the supply of free electrons, at Schumann frequencies. The embodiments function by allowing or increasing, respectively, the flow of low-current, low-voltage current into or out of the body, at levels safe for humans and animals, through conductive materials in electrical contact with the body. These devices use conductive materials incorporated into and/or comprising handheld, wearable or other items that directly contact the body, including shavers, clothing, shoes, mousepads, footstools, bedding, jewelry and collars. Certain devices allow the addition of heat/cold.

Classifications:

International (IPC 8-9): A61N1/14 A61N1/32

H05F3/02 (Advanced/Invention)

CPC: H05F3/02 A61N1/32 A61N1/14 A61N1/16



Family:

Publication number	Publication date	Application number	Application date
US9839105 BA	20171205	US20140246095	20140405

Priority:

US20130808700P 20130405 US20140246095 20140405

Probable Assignee: TOZIAN COOL CYNTHIA A

Assignee(s): (std): TOZIAN COOL CYNTHIA A

Inventor(s): (std): TOZIAN COOL CYNTHIA A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US9839105 BA	20171205	LSGT	+	granted / extensions (spc, cpc, pte)	
US9839105 BA	20171115	LSGT	PAT1	Patented Case	
US9839105 BA	20171115	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9839105 BA	20340825	PEXP		Calculated Patent Term Expiry (PTA 142 days)	

Title: Aquaria-terraria luminaire with automatic brightness control

Abstract: An illumination device for aquaria or terraria having a dimming device which is controlled by a time switch and models the dimming behaviour in the morning and the evening. The apparatus consists of the actual illumination device and a transformer with electronic dimming. The maximum brightness can likewise be preselected.

Classifications:

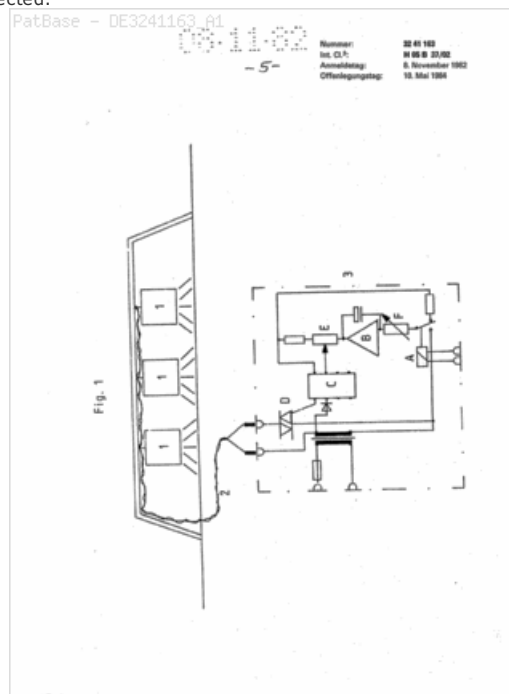
International (IPC 8-9): H05B39/08 (Advanced/Invention);

H05B39/00 (Core/Invention)

International (IPC 1-7): H05B37/02

CPC: H05B39/083

European: H05B39/08R



Family:

Publication number	Publication date	Application number	Application date
DE3241163 A1	19840510	DE19823241163	19821108

Priority:

DE19823241163 19821108

Probable Assignee: PETER POHL GMBH DIPL ING

Assignee(s): (std): PETER POHL GMBH DIPL ING

Assignee(s): DIPL ING PETER POHL GMBH

Inventor(s): (std): JEZORECK HANS PETER ; POHL PETER DIPL ING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE3241163 A1	19840510	LSPB	+	published / reissued	
DE3241163 A1	19891109	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	

Title: DECORATIVE BASEMENT WINDOW WELL SHIELD

Abstract: A window well shield contains a substrate that is laminated to a molded material bearing a decorative design, such as a sculpture or an artificial rock face. The decorative design may be molded to contain functional features, such as egress steps. A waterfall may be provided to cascade down the artificial rock face.

Classifications:

International (IPC 8-9): B28B19/00 B29C39/10 B44C5/04 B44F9/04

E04F13/08 E04F17/06 (Advanced/Invention);

B28B1/02 (Advanced/Non-invention);

B28B19/00 B29C39/10 B44C5/00 B44F9/00 E04F13/08

E04F17/00 (Core/Invention);

B28B1/00 (Core/Non-invention)

International (IPC 1-7): B44F7/00 B44F9/00 E04C1/00 E04F17/06

E06B5/02

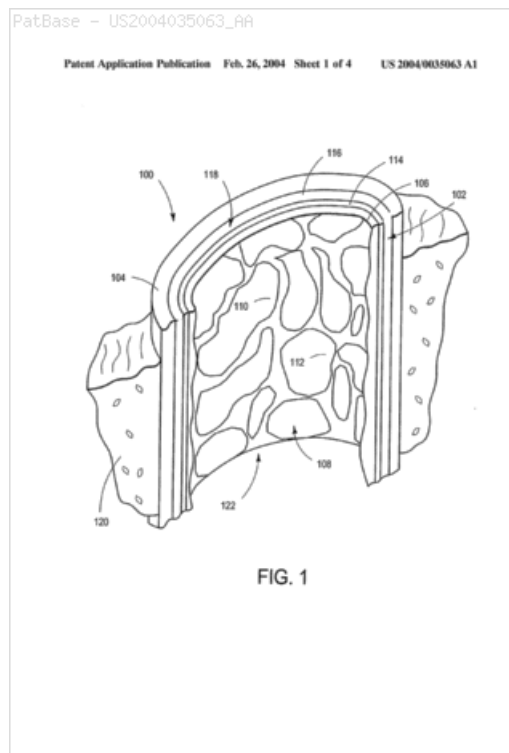
CPC: E04F17/06 B28B1/02 B28B19/0092 B29C39/10 B29L2031/722

B44C5/0453 B44F9/04 E04F13/0871 E04F13/0875

European: B28B19/00K B29C39/10 B44C5/04N B44F9/04 E04F13/08K

E04F17/06 L28B1/02 L29L31/722

US: 52/107 52/107P 52/314 52/314S 52/315 52/315S



Family:

Publication number	Publication date	Application number	Application date
US2004035063 AA	20040226	US20020226423	20020823

Priority:

US20020226423 20020823

Probable Assignee: HYDRODYNAMIC SERVICES

Assignee(s): BRYANT DAVID L ; FLOT BRENT ; HYDRODYNAMIC SERVICES

Inventor(s): (std): BRYANT DAVID L ; FLOT BRENT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2004035063 AA	20040226	LSPB	+	published / reissued	
US2004035063 AA	20021212	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HYDRODYNAMIC SERVICES, COLORADO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BRYANT, DAVID L.; FLOT, BRENT; REEL/FRAME:013572/0193 EFFECTIVE DATE : 20021202
US2004035063 AA	20070227	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2004035063 AA	20070227	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

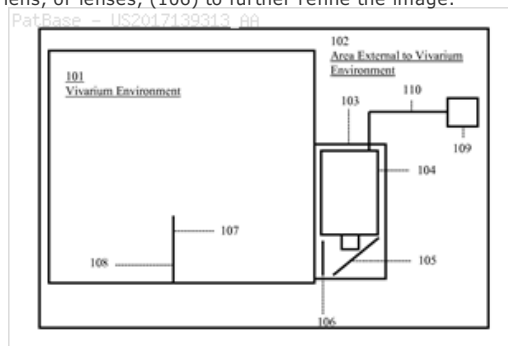
Title: VIVARIUM DRY AND LIQUID PROJECTION

Abstract: A projection apparatus for projection inside a vivarium environment (101) comprises a display member (107) and a projection surface (108) adapted to be positioned inside the dry or liquid environment within the vivarium (101) and a projector (104) positioned outside the vivarium environment (102) where at least part of one wall of the vivarium enclosure is transparent. The projector (104) is adapted to be positioned on its narrow edge and project an image on the projection surface utilizing a highly reflective surface (105) to redirect the projection and an additional lens, or lenses, (106) to further refine the image.

Classifications:

International (IPC 8-9): G03B21/14 G03B21/28 (Advanced/Invention)

CPC: G03B21/28 G03B21/145 G03B21/147 G03B21/10 G03B29/00



Family:

Publication number	Publication date	Application number	Application date
US2017139313 AA	20170518	US20150945387	20151118

Priority:

US20150945387 20151118

Probable Assignee:

TURNER HEIDI LYNN

Assignee(s): (std):

TURNER HEIDI LYNN

Inventor(s): (std):

TURNER HEIDI LYNN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2017139313 AA	20170518	LSPB	+	published / reissued	
US2017139313 AA	20170512	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2017139313 AA	20170512	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

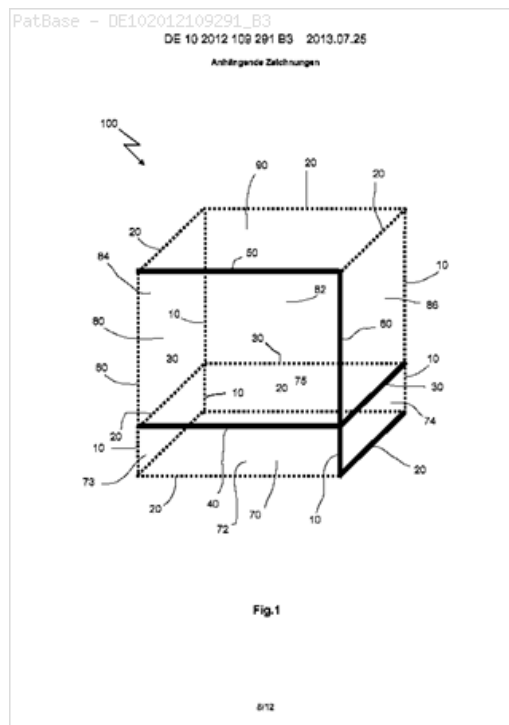
Title: MODULAR SYSTEM FOR CREATING **TERRARIUM**, COMPRISES CONNECTING PROFILES FOR CONNECTING SIX DIFFERENT TYPES OF INDIVIDUAL FLAT PORTIONS, AND TWO TYPES OF PROFILE CONNECTORS WITH SPIGOT ARRANGED ON BASE BODY, ON WHICH PROFILES ARE PLUGGED

Abstract: The modular system comprises a base portion (70) and base tray side portions (72,73,74,75) to form a base trough. A front side portion (80), a rear wall element (82) and side wall portions (84,86) are arranged on the base trough to form a visible structure. Connecting profiles (10,20,30,40,50,60) are provided for connecting six different types of individual flat portions. Two types of profile connectors comprise a spigot arranged on a base body, on which the profiles are plugged for releasable connection with one another.

Classifications:

International (IPC 8-9): A01K63/00 A47B47/02 (Advanced/Invention)

CPC: A47B47/0008 A01K63/003



Family:

Publication number	Publication date	Application number	Application date
DE102012109291 B3	20130725	DE201210109291	20120928

Priority:

DE201210109291 20120928

Probable Assignee: IMP EXP PETER HOCH GMBH

Assignee(s): (std): IMP EXP PETER HOCH GMBH

Assignee(s): IMPORT EXPORT PETER HOCH GMBH

Inventor(s): (std): HOCH JUERGEN

Legal status (INPADOC)

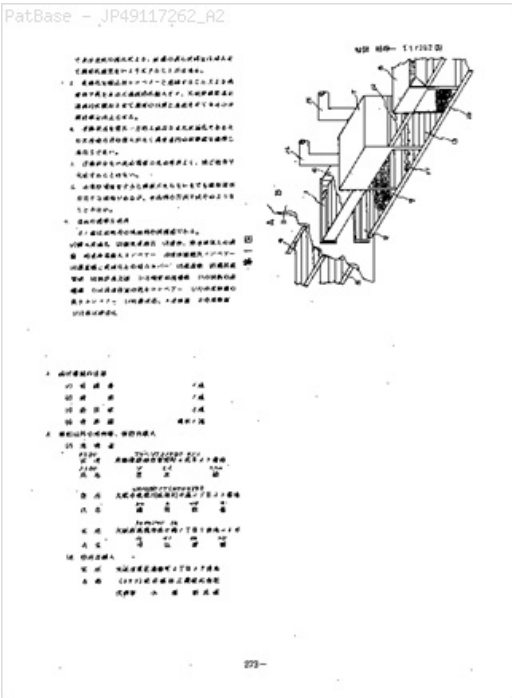
[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
DE102012109291 B3	20130725	LSGT	+	granted / extensions (spc, cpc, pte)	
DE102012109291 B3	20121008	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102012109291 B3	20130430	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102012109291 B3	20130517	LSGT	+R018	GRANT DECISION BY EXAMINATION SECTION/EXAMINING DIVISION	
DE102012109291 B3	20140130	LSGT	+R020	PATENT GRANT NOW FINAL	EFFECTIVE DATE : 20131026
DE102012109291 B3	20320928	PEXP		Calculated Patent Term Expiry	

Title: The present inventors#39;? 7 ONO the Hagia 7r Bernard Tchoutang Ayabe in Kyoto Prefecture and the Seocheon-cho 6 address f - the epitaxial reaction, No. 7 the furigana name pond Sawa Homare (s-g and three other people out) j4, Abbe Today Coconut Representative Huh Copa) agent in addition to the Kobayashi Award (hint at ± f in the bottle 1 <z 5 Ru 1: a) the **heat** transfer accompanied by Bu cruelty inflicted [F] (8) JP-A-47-34447 Japanese Patent Office-9-62 [Phase] 1172 publication date (1974), JP-A 9. (8) Japanese Patent Application No. Sho? 11.8 μm (1) filed on -35 309 a, f), j (197, 22 (total 3 pages) for examination, the non-bright 111 outermost of II 4t 11 the name of the invention method 2, 11f (Machine translation)

Abstract: Source: JP49117262A **Machine translation:** [Source: claim 1 cleaning cleaning chamber and the surrounding chamber and the non-Li 10 - hole wall with "I and responsibility at a ? from the non-cleaning chamber places the clean room air in one direction of lc is corrupted or artificial disinfect the family and a **terrarium** of R · dt Lii! all the waste of the Hyeonchungsa Shrine networks, and the like. On the other hand, I[I all carried from the tray on the other hand i zansuna occur networks and the like discharged from the turbidity table performed while blue-iso I

Classifications:
International (IPC 8-9): A01K67/04 (Advanced/Invention);
A01K67/00 (Core/Invention)
International (IPC 1-7): A01K67/04



Family:

Publication number	Publication date	Application number	Application date
JP49117262 A2	19741108	JP19730035305	19730328
JP53027189 B4	19780807	JP19730035305	19730328
JP949186 C3	19790420	JP19730035305	19730328

Priority:

JP19730035305 19730328

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP49117262 A2	19741108	LSPB	+	published / reissued	
JP53027189 B4	19780807	LSPB	+	published / reissued	
JP949186 C3	19790420	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: **HEATING** DEVICE FOR A CONTAINER FOR KEEPING ANIMALS AND/OR PLANTS AND AQUARIUM EQUIPPED WITH SUCH A **HEATING** DEVICE

Abstract: The invention relates to a **heating** device for a container for keeping animals and/or plants. The **heating** device comprises at least one **heating** unit which can be positioned in the container and is electrically operated. The **heating** unit is situated in proximity to a plate which when the **heating** unit is positioned in the container separates said **heating** unit from the interior of said container.

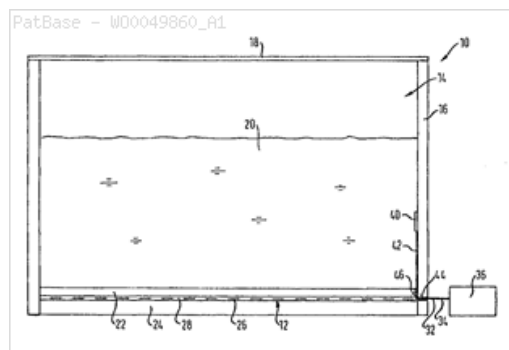
Classifications:

International (IPC 8-9): A01K63/00 A01K63/06 (Advanced/Invention);
A01K63/00 A01K63/06 (Core/Invention)

International (IPC 1-7): A01K63/00 A01K63/06

CPC: A01K63/003 A01K63/065

European: A01K63/00A A01K63/06A



Family:

Publication number	Publication date	Application number	Application date
DE29904664 U1	19991118	DE19992004664U	19990313
WO0049860 A1	20000831	WO2000EP01581	20000225

Priority:

DE19992003451U 19990226 DE19992004664U 19990313

Probable Assignee: BOGER GABRIELE

Assignee(s): (std): BOGAR GABRIELE ; BOGER GABRIELE

Inventor(s): (std): BOGAR GABRIELE

Designated states: AT BE CA CH CN CY DE DK ES FI FR GB GR IE IT JP LU MC NL PT SE US

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE29904664 U1	19991118	LSGT	+	granted / extensions (spc, cpc, pte)	
DE29904664 U1	19991118	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 19991118
DE29904664 U1	20000113	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : BOGAR, GABRIELE, DE OLDPARTY : FORMER OWNER: BOGER, GABRIELE, 93055 REGENSBURG, DE EFFECTIVE DATE : 19991111
DE29904664 U1	20030116	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	EFFECTIVE DATE : 20021001
DE29904664 U1	20090313	PEXP		Calculated Patent Term Expiry	
WO0049860 A1	20000831	LSPB	+	published / reissued	
WO0049860 A1	20020522	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO

Title: AQUARIUM-**TERRARIUM** ECOSYSTEM APPARATUS

Abstract: An aquarium-**terrarium** ecosystem with both a containing area and a body of water is formed from a bottom section, a plurality of side plates, a concave shaped midsection, and a top section. The bottom section has at least three side edges. Each one of said plurality of side plates is attached to one of the side edges of the bottom section. Each one of the plurality of side edges extends substantially vertical from said bottom section. The longitudinal edges of each one of said plurality of side plates are connected to adjacent longitudinal side edges of adjacent side plates to form a polyhedron for containing a body of water. The polyhedron has a top edge. The concave midsection has both a forward and rear edge. The midsection is connected to at least a portion of the top edge of the polyhedron to form a separate containing area apart from the body of water. The forward edge of the midsection partially extends into the polyhedron to form an interface between the body of water and the separate containing area. The top section has a lower edge. The lower edge is connected to the rear edge of the midsection and the top edge of the polyhedron to enclose the aquarium-**terrarium** ecosystem.

Classifications:

International (IPC 8-9): A01K63/00 (Advanced/Invention);

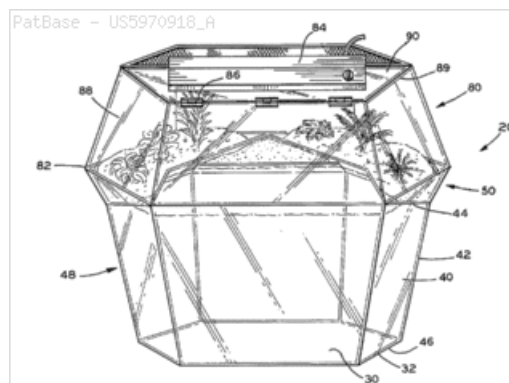
A01K63/00 (Core/Invention)

International (IPC 1-7): A01K63/00

CPC: A01K63/003

European: A01K63/00A

US: 119/246



Family:

Publication number	Publication date	Application number	Application date
US5970918 A	19991026	US19980052750	19980331

Priority:

US19980052750 19980331

Probable Assignee:

BARGY ROY D

Assignee(s): (std):

BARGY ROY D

Inventor(s): (std):

BARGY ROY D

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5970918 A	19991026	LSGT	+	granted / extensions (spc, cpc, pte)	
US5970918 A	20000419	LSGT	PAT1	Patented Case	
US5970918 A	20000419	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE GRANT
US5970918 A	20030414	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5970918 A	20071020	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5970918 A	20111025	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5970918 A	20180331	PEXP		Calculated Patent Term Expiry	

Title: Inflatable gift wrapping apparatus

Abstract: An inflatable wrapping apparatus comprises a substantially self supporting base for placing an article to be wrapped thereon, and an inflatable wrap attachable to the base for decoratively wrapping and securing the article in place. A periphery of a first portion of the wrap is matably attachable to a periphery of the base for enabling the first portion to substantially encompass and cover the article thereon. The first portion of the wrap separates the article from a second portion of the wrap, and the second portion has a dimension greater than the first portion. Upon inflating the wrap, the first portion inflates in a direction toward the base to substantially engulf and secure the article in place, and the second portion of the wrap inflates in a direction away from the base to provide a decorative feature of the wrap. In an alternate embodiment, the inflatable wrap is coupled to the base by an adjoining edge, providing a simple, single component wrapping apparatus.

Classifications:

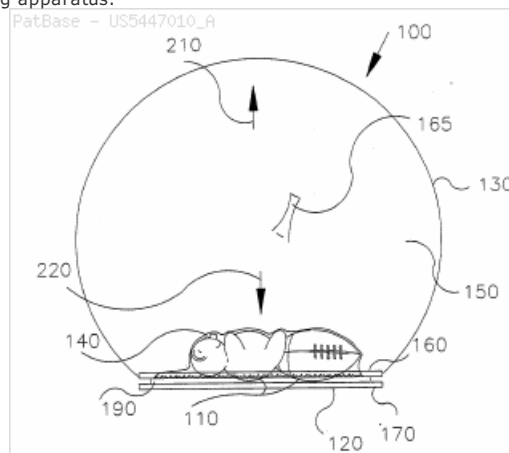
International (IPC 8-9): B65B11/50 B65D73/00 (Advanced/Invention);
B65B11/50 B65D73/00 (Core/Invention)

International (IPC 1-7): B65B11/50 B65B23/00 B65B5/04 B65D81/02

CPC: B65B11/50 B65D73/0014

European: B65B11/50 B65D73/00B1

US: 206/522 383/3 53/427 53/449 53/469 53/472 534/270



Family:

Publication number	Publication date	Application number	Application date
US5447010 A	19950905	US19940259896	19940615

Priority:

US19940259896 19940615

Probable Assignee:

VOIGT MATT

Assignee(s): (std):

VOIGT MATT

Inventor(s): (std):

VOIGT MATT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5447010 A	19950905	LSGT	+	granted / extensions (spc, cpc, pte)	
US5447010 A	19990426	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5447010 A	20030905	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5447010 A	20031008	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5447010 A	20031008	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5447010 A	20031104	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20030905
US5447010 A	20140615	PEXP		Calculated Patent Term Expiry	

Title: SEMI-TRANSPARENT ILLUMINATION APPARATUS

Abstract: A semi-transparent illumination apparatus which emits on one side comprises a luminous layer (120) and a screening layer (130) which is made of a non-transparent material and is arranged between a rear side of the illumination apparatus and the luminous layer (120). A multiplicity of transparent hole regions (140) at which the luminous layer (120) and the screening layer (130) are broken through and which extend between the rear side and a front side of the illumination apparatus. The screening layer (130) has edge regions (132) which are each formed around the hole regions (140) and project beyond the luminous layer (120).

Classifications:

International (IPC 8-9): F21V11/14 F21V13/10 F21V33/00 G02B21/06

H01L51/52 (Advanced/Invention);

F21Y101/02 (Advanced/Non-invention);

F21V11/00 F21V13/00 G02B21/06 H01L51/50 (Core/Invention)

CPC: A61B1/00096 A61B1/051 A61B1/0676 A61B1/0684 G02B21/06

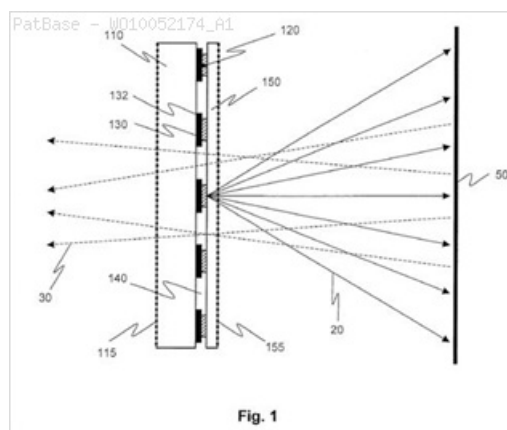
H01L25/046 H01L51/5275 H01L2251/5361 H01L2924/0002 H01L51/5281

H01L51/5221

European: A61B1/00E4H7 A61B1/05C A61B1/06 A61B1/06R4

A61B1/06R6 G02B21/06 H01L51/52B4 H01L51/52E T01L25/04E

T01L251/53L T01L51/52D8

**Family:**

Publication number	Publication date	Application number	Application date
DE102008055714 A1	20100610	DE200810055714	20081104
DE102008055714 B4	20180719	DE200810055714	20081104
WO10052174 A1	20100514	WO2009EP64385	20091030

Priority:

DE200810055714 20081104

Probable Assignee: CARL ZEISS AG

Assignee(s): (std): BUBLITZ DANIEL ; CARL ZEISS AG ; KNOBLICH JOHANNES ; WESTPHAL PETER ; WINTEROT JOHANNES ; ZEISS CARL AG

Inventor(s): (std): WINTEROT JOHANNES ; WESTPHAL PETER ; BUBLITZ DANIEL ; KNOBLICH JOHANNES ; KNOBLICH JOHANNES DR ; WESTPHAL PETER DR ; BUBLITZ DANIEL DR

Agent(s): SCHWARZ MARKKU

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE102008055714 A1	20100610	LSPB	+	published / reissued	
DE102008055714 A1	20100610	LSSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE102008055714 A1	20110914	LSSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102008055714 A1	20110921	LSSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102008055714 A1	20180406	LSSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102008055714 A1	20180411	LSGT	+R018	GRANT DECISION BY EXAMINATION SECTION/EXAMINING DIVISION	
DE102008055714 B4	20180719	LSGT	+	granted / extensions (spc, cpc, pte)	
DE102008055714 B4	20190424	LSGT	+R020	PATENT GRANT NOW FINAL	
DE102008055714 B4	20281104	PEXP		Calculated Patent Term Expiry	
WO10052174 A1	20100514	LSPB	+	published / reissued	
WO10052174 A1	20110504	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

WO10052174 A1	20111214	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 09749065 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :
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Title: Filtration system for aquariums

Abstract: A filtration system for an aquarium having water and fish. A container is mounted in juxtaposition to the aquarium and a porous filter is disposed in the container. The top of the filter is connected to the bottom of a pot in which is growing a terrestrial plant in soil. A pump circulates water from the aquarium into the container and through the filter. The filter removes solid and dissolved pollutants from the water and roots of the plant grow into the filter, utilizing the pollutants retained in the filter.

Classifications:

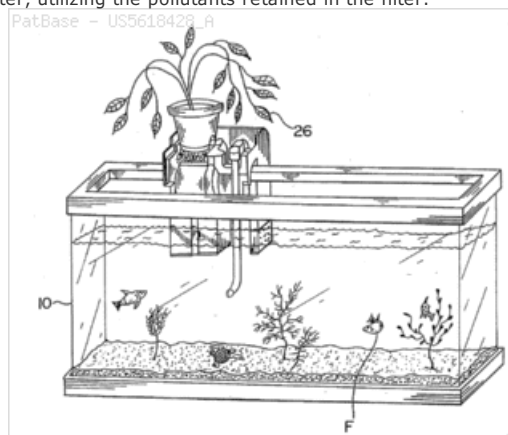
International (IPC 8-9): A01K63/04 (Advanced/Invention);
A01K63/04 (Core/Invention)

International (IPC 1-7): A01K63/00 A01K63/04

CPC: A01K63/045

European: A01K63/04B

US: 119/246 210/167.22 210/169 210/282 210/416.2 210/602 210/617
210/631 47/69



Family:

Publication number	Publication date	Application number	Application date
■ US5618428 A	19970408	US19960592842	19960122

Priority:

US19960592842 19960122

Probable Assignee:

OSLUND ARTHUR D

Assignee(s): (std):

OSLUND ARTHUR D

Inventor(s): (std):

OSLUND ARTHUR D

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5618428 A	19970408	LSGT	+	granted / extensions (spc, cpc, pte)	
US5618428 A	20000906	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5618428 A	20050408	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5618428 A	20050512	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5618428 A	20050512	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5618428 A	20050607	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20050408
US5618428 A	20160122	PEXP		Calculated Patent Term Expiry	

Title: **Terrarium** enclosure system

Abstract: The present invention provides a multiple oriented two piece **terrarium** enclosure system which utilizes a base member for engagement with a shell structure having a slanted frontal viewing surface for improved viewing capabilities. The present invention also provides unique lateral access to the interior of the **terrarium**. Specifically, the shell structure has a cutout portion for providing a fully enclosed system when the shell structure is positioned in a first orientation, and alternatively providing a means for accessing the interior of the **terrarium** when the shell structure is positioned in a second orientation. This dual orientation capability allows improved access for feeding and cleaning the **terrarium** with minimal disturbance to the habitat or its inhabitants. The shell structure utilizes a securing mechanism for maintaining positioning of the shell structure with respect to the base while in either a first orientation or a second orientation. The natural environment within the interior of the **terrarium** is controlled and maintained by a combination of lamp assembly integral the base member and one or more pre-selected apertures formed in the shell structure.

Classifications:

International (IPC 8-9): A01K63/00 (Advanced/Invention);

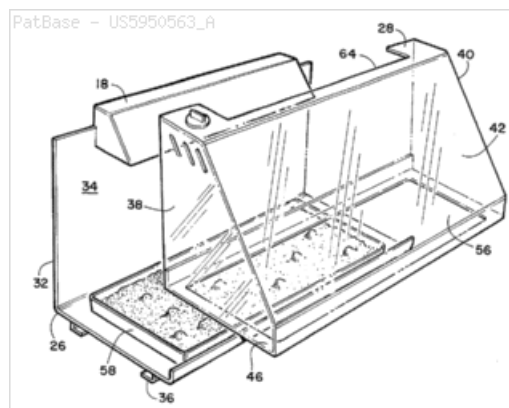
A01K63/00 (Core/Invention)

International (IPC 1-7): A01K63/00

CPC: A01K63/003

European: A01K63/00A

US: 119/246 47/69



Family:

Publication number	Publication date	Application number	Application date
US5950563 A	19990914	US19970994817	19971219

Priority:

US19970994817 19971219

Probable Assignee:

ADCOCK JR ROBERT R

Assignee(s): (std):

ADCOCK JR ROBERT R

Inventor(s): (std):

ADCOCK JR ROBERT R

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5950563 A	19990914	LSGT	+	granted / extensions (spc, cpc, pte)	
US5950563 A	20030915	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5950563 A	20031015	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5950563 A	20031015	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5950563 A	20031111	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20030914
US5950563 A	20171219	PEXP		Calculated Patent Term Expiry	

Title: METHOD AND ARTICLE OF MANUFACTURE FOR PRODUCING MUSHROOMS FROM SELF CONTAINED VESSELS

Abstract: A method and system for growing tree mushrooms indoors, from within self contained vessels. An enclosed cylindrical container houses a colony of mushroom mycelium and rehydrated nutritive substrate. Said container is surrounded by cloth/fabric with water absorbent properties. When holes are made through the fabric and container the mycelium colony is stimulated to produce mushrooms. The apparatus is then partially submerged in a shallow reservoir of water. Moisture absorbed from the fabric then supplies the mushrooms with required moisture for development. The method consists of filling the container with a substrate (such as whole grain), adding an appropriate volume of water through a hole in the container, and covering the hole with an adhesive membrane, then sterilizing the container and contents. After cooling, appropriate fungus is inoculated to the substrate and is incubated at a required temperature for an appropriate time period. Water absorbent fabric is then attached to the external circumference of the container.

Classifications:

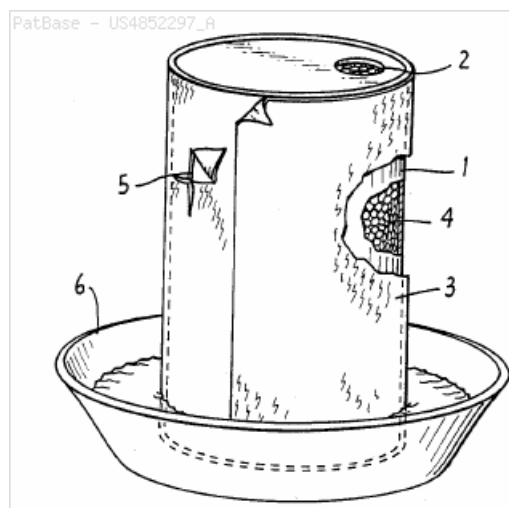
International (IPC 8-9): A01G1/04 (Advanced/Invention);
A01G1/04 (Core/Invention)

International (IPC 1-7): A01G1/04

CPC: A01G18/64

European: A01G1/04D

US: 47/1.1



Family:

Publication number	Publication date	Application number	Application date
US4852297 A	19890801	US19870065402	19870623

Priority:

US19870065402 19870623

Probable Assignee:

MOREN DOUGLAS L

Assignee(s): (std):

MOREN DOUGLAS L

Inventor(s): (std):

MOREN DOUGLAS L

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US4852297 A	19890801	LSGT	+	granted / extensions (spc, cpc, pte)	
US4852297 A	19890614	LSGT	PAT1	Patented Case	
US4852297 A	19930801	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4852297 A	19931019	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19930801
US4852297 A	20180130	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4852297 A	20180130	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4852297 A	20070623	PEXP		Calculated Patent Term Expiry	

Title: Gene cloning

Abstract: There is provided a method of targeted cloning of genes and gene clusters by directly isolating the DNA of interest from a mixed population, thereby permitting the construction of a very targeted, highly enriched library. Also provided are several unique methods for cloning the genes provided by this method and the probes used in connection with this method.

Classifications:

International (IPC 8-9): C12N15/10 C12N15/52 C12N9/06

C12Q1/68 (Advanced/Invention);

C12N9/06 (Advanced/Non-invention);

C12N15/10 C12N15/52 C12N9/06 C12Q1/68 (Core/Invention)

International (IPC 1-7): C07H21/04 C12N15/10 C12N15/52 C12P19/34 C12Q1/68

CPC: C12N9/003 C12N15/1093 C12N15/52 C12Q1/6876 C12N15/10

European: C12N15/10 C12N15/10C C12N15/10C100 C12N15/52

C12N9/00P8D1C C12Q1/68M

US: 435/6 435/6.14 435/6.140P 435/91.2 435/91.200S 536/24.3

536/24.300S

PatBase - US2004166526_RR

Patent Application Publication Aug. 26, 2004 Sheet 1 of 16 US 2004/0166526 A1

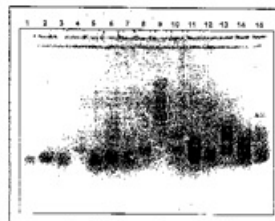


Figure 1

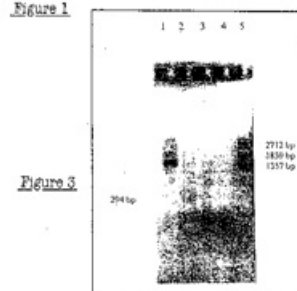


Figure 3

Family:

Publication number	Publication date	Application number	Application date
AT362980 E	20070615	AT20000957571T	20000818
AU200069169 A1	20010313	AU20000069169	20000818
AU200069169 A5	20010313	AU20000069169	20000818
DE60034953 D1	20070705	DE20006034953	20000818
DE60034953 D1	20070705	DE20006034953T	20000818
DE60034953 T2	20080124	DE20006034953T	20000818
EP1210460 A1	20020605	EP20000957571	20000818
EP1210460 A4	20050504	EP20000957571	20000818
EP1210460 B1	20070523	EP20000957571	20000818
US2004166526 AA	20040826	US20040794929	20040305
WO0112861 A1	20010222	WO2000US22743	20000818

Priority:

US19990149788P 19990819	US19990149822P 19990819	US19990149822P 19990919
WO2000US22743 20000818	US20020049994 20020218	US20040794929 20040305

Probable Assignee: OMNISCIENCE PHARMACEUTICALS

Assignee(s): (std): CHAPARIAN MICHAEL G ; FOMENKOV ALEXEY ; HUANG YIPING ; OMNISCIENCE PHARMACEUTICALS ; ZHENG SHU XIAN

Inventor(s): (std): CHAPARIAN MICHAEL ; CHAPARIAN MICHAEL G ; FOMENKOV ALEXEY ; HUANG YIPING ; ZHENG SHU XIAN

Inventor(s): MICHAEL G CHAPARIAN ; SHU XIAN ZHENG ; YIPING HUANG ; ALEXEY FOMENKOV

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT362980 E	20070615	LSGT	+	granted / extensions (spc, cpc, pte)	
AT362980 E	20071115	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT362980 E	20200818	PEXP		Calculated Patent Term Expiry	

AU200069169 A1	20010313	LSPB	+	published / reissued	
AU200069169 A5	20020502	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
DE60034953 D1	20080612	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60034953 D1	20080612	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60034953 T2	20080124	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60034953 T2	20080612	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60034953 T2	20200818	PEXP		Calculated Patent Term Expiry	
EP1210460 A1	20020605	LSPB	+	published / reissued	
EP1210460 A1	20020605	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20020318
EP1210460 A1	20050209	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 12Q 1/68 B
EP1210460 A1	20050209	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 12N 15/52 B
EP1210460 A1	20050209	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 12N 15/10 A
EP1210460 A1	20050427	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 12N 15/52 B
EP1210460 A1	20050427	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 12Q 1/68 B
EP1210460 A1	20050427	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7C 12N 15/10 A
EP1210460 A4	20050504	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20050315
EP1210460 A4	20060830	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20050826
EP1210460 B1	20070523	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP1210460 B1	20070523	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1210460 B1	20070615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1210460 B1	20070627	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1210460 B1	20070823	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED

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EP1210460 B1	20070903	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070903
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EP1210460 B1	20071124	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070523
EP1210460 B1	20080102	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070523
EP1210460 B1	20080131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070523
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EP1210460 B1	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070523
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EP1210460 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080118
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EP1210460 B1	20090731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070523
EP1210460 B1	20090831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20070818
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EP1210460 B1	20101130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20100823 YEAR OF FEE PAYMENT : 11
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EP1210460 B1	20120425	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20110818
EP1210460 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110831
EP1210460 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110831
EP1210460 B1	20120614	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 60034953 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20120301
EP1210460 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE

EP1210460 B1	20130628	LSLE	-PG25	POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110818 COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120301
EP1210460 B1	20200818	PEXP		Calculated Patent Term Expiry	
US2004166526 AA	20040826	LSPB	+	published / reissued	
US2004166526 AA	20081222	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2004166526 AA	20081222	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
WO0112861 A1	20010222	LSPB	+	published / reissued	
WO0112861 A1	20020218	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10049994 COUNTRY OF REF DOCUMENT : US
WO0112861 A1	20020318	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2000957571 COUNTRY OF REF DOCUMENT : EP
WO0112861 A1	20020605	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000957571 COUNTRY OF REF DOCUMENT : EP
WO0112861 A1	20020801	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO0112861 A1	20040521	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO0112861 A1	20070523	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000957571 COUNTRY OF REF DOCUMENT : EP

Title: LIGHT ELEMENT

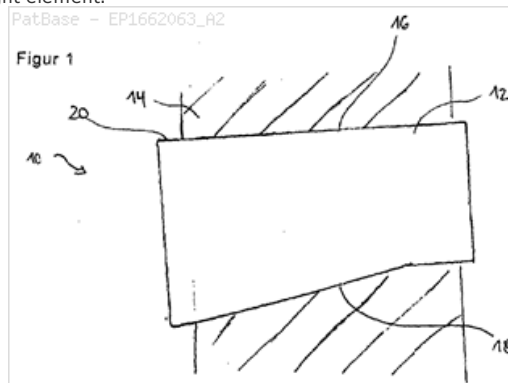
Abstract: The tubular-form, prefabricated light element (10) for building walls (14) has a tube (12) penetrating the wall and one side terminating flush with the wall or protruding from it, and on the other side terminating flush with the wall or protruding from it, and on both ends in the region of one side of the building wall has plates of preferably insulating glass. The cross-section of the tube widens in the direction of one side of the building wall. At least one section of an upper or lower side wall (16,18) of the tube inside the building wall drops down at an angle. Independent claims are included for the following: (A) an assembly of at least one light element and a building wall in which the light element is fitted in an opening in the building wall corresponding to the outside circumference of the tube and is anchored there, preferably plastered and/or glued; (B) a shuttering element for a light element for fitting in a building wall; and (C) a method for the manufacture of a light element.

Classifications:

International (IPC 8-9): E04C1/42 E04D13/03 E06B3/00 F21S10/00 F21S11/00 F21V33/00 (Advanced/Invention); E04C1/00 (Core/Invention)

CPC: F21S11/00 E04C1/42 E04D13/033 E04D2013/034 F21S19/005 F21V17/02 F21V33/0052 F21V33/0096 F24F3/056

European: E04C1/42 E04D13/03E F21S11/00 F21S19/00 F21V17/02 F21V33/00A9 F21V33/00F4 F24F3/056 P04D13/03S

**Family:**

Publication number	Publication date	Application number	Application date
DE202005021859 U1	20110105	DE200520021859U	20051118
EP1662063 A2	20060531	EP20050025293	20051118
EP1662063 A3	20070718	EP20050025293	20051118

Priority:

DE200410057969	20041130	DE200510005990	20050209	DE200510019623	20050426
DE200510040766	20050826	EP20050025293	20051118	DE200520021859U	20051118

Probable Assignee: MATSCHOSS FLORIAN**Assignee(s):** (std): MATSCHOSS FLORIAN ; NEUFELD FRANZISKA**Inventor(s):** (std): NEUFELD FRANZISKA ; MATSCHOSS FLORIAN

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

Legal status (INPADOC)
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Patent	Date recorded	Event group	Code	Event	Details
DE202005021859 U1	20110105	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202005021859 U1	20110210	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20110210
DE202005021859 U1	20110331	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20110126
DE202005021859 U1	20111128	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	
DE202005021859 U1	20120119	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	EFFECTIVE DATE : 20111128
DE202005021859 U1	20140116	LSGT	+R152	TERM OF PROTECTION EXTENDED TO 10 YEARS	EFFECTIVE DATE : 20131127
DE202005021859 U1	20151130	LSLE	-R071	EXPIRY OF RIGHT	
DE202005021859 U1	20151118	PEXP		Calculated Patent Term Expiry	
EP1662063 A2	20060531	LSPB	+	published / reissued	
EP1662063 A3	20071031	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070913
EP1662063 A3	20071121	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20071022

EP1662063 A3	20080326	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT : BE COUNTRY OF REF DOCUMENT : BG COUNTRY OF REF DOCUMENT : CH COUNTRY OF REF DOCUMENT : CY COUNTRY OF REF DOCUMENT : CZ COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : DK COUNTRY OF REF DOCUMENT : EE COUNTRY OF REF DOCUMENT : ES COUNTRY OF REF DOCUMENT : FI COUNTRY OF REF DOCUMENT : FR COUNTRY OF REF DOCUMENT : GB COUNTRY OF REF DOCUMENT : GR COUNTRY OF REF DOCUMENT : HU COUNTRY OF REF DOCUMENT : IE COUNTRY OF REF DOCUMENT : IS COUNTRY OF REF DOCUMENT : IT COUNTRY OF REF DOCUMENT : LI COUNTRY OF REF DOCUMENT : LT COUNTRY OF REF DOCUMENT : LU COUNTRY OF REF DOCUMENT : LV COUNTRY OF REF DOCUMENT : MC COUNTRY OF REF DOCUMENT : NL COUNTRY OF REF DOCUMENT : PL COUNTRY OF REF DOCUMENT : PT COUNTRY OF REF DOCUMENT : RO COUNTRY OF REF DOCUMENT : SE COUNTRY OF REF DOCUMENT : SI COUNTRY OF REF DOCUMENT : SK COUNTRY OF REF DOCUMENT : TR
EP1662063 A3	20110216	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20100818

Title: APPARATUS FOR **TERRARIUM** SYSTEMS

Abstract: An integrated environmental sustaining apparatus for maintaining a **terrarium** is adapted to simultaneously regulate temperature and deliver water droplets. The apparatus includes three major systems; a thermoelectric device, a water droplet delivery system, and a thermostat. The thermoelectric device is used to release **heat** or absorb **heat**. The water droplet delivery system includes a water pump, a water pipe and at least one water droplet dispersing device connected to the water pipe. A section of the water pipe is coupled to the thermoelectric device such that water flowing inside the water pipe will thermally communicate with the thermoelectric device. The thermostat is used to power on or off the thermoelectric device and the water pump in response to the temperature measurement inside the **terrarium** in relation to a predetermined temperature range determined by a low-temperature setting and a high temperature setting that can be programmed into the thermostat.

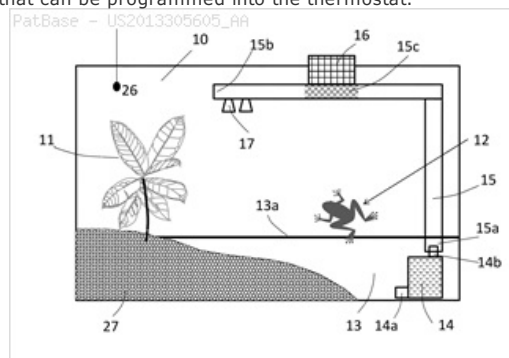
Classifications:

International (IPC 8-9): A01G9/02 A01G9/14

A01K1/00 (Advanced/Invention)

CPC: A01K63/065 A01K63/006

US: 119/416 47/66.6 47/69



Family:

Publication number	Publication date	Application number	Application date
US2013305605 AA	20131121	US20120475509	20120518
US8839555 BB	20140923	US20120475509	20120518

Priority:

US20120475509 20120518

Probable Assignee:

WANG NEIL SHUMENG

Assignee(s): (std):

WANG NEIL SHUMENG

Inventor(s): (std):

WANG NEIL SHUMENG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2013305605 AA	20131121	LSPB	+	published / reissued	
US8839555 BB	20140923	LSGT	+	granted / extensions (spc, cpc, pte)	
US8839555 BB	20140903	LSGT	PAT1	Patented Case	
US8839555 BB	20180507	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US8839555 BB	20181029	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: MICROENTITY
US8839555 BB	20181029	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US8839555 BB	20181029	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US8839555 BB	20181120	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20180923
US8839555 BB	20321113	PEXP		Calculated Patent Term Expiry (PTA 179 days)	

Title: POLYSTYRENE SHEETS FOR LINING AQUARIUMS AND/OR TANKS FOR LAND REPTILES - HAVE RELIEF CONFIGURATION WITH PASSAGES FOR WATER AND AIR, AND INDENTED EDGES FOR FITTING TOGETHER

Abstract: Light-wt. plastics building panel esp. used for fitting-out of aquariums and **terrariums**, is provided with relief-like projections and depressions on 1 side whilst the other side has pre-determined breaking sites worked into it. These breaking sites are weakened intersecting lines. The perimeter of the panel has salients and recesses along greater than or equal to 2 opposite edges which enables any 2 panels to be positively fitted into each other. The claimed articles is pref. made of polystyrene. It has holes near the relief-type depressions, allowing air or water to pass through.

Classifications:

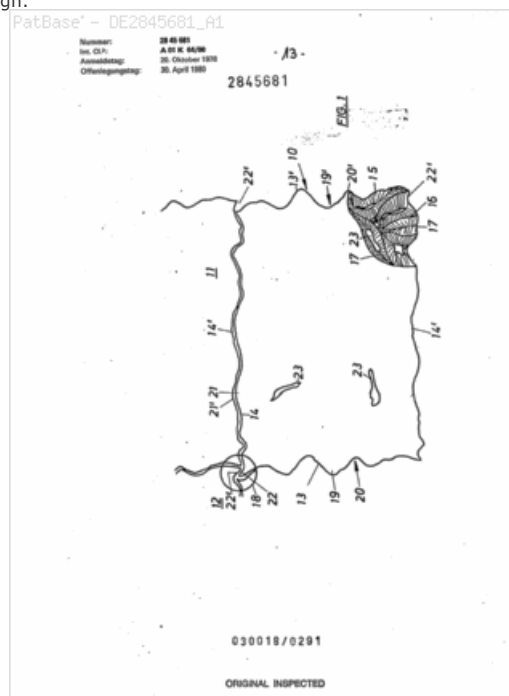
International (IPC 8-9): A01K63/00 (Advanced/Invention);

A01K63/00 (Core/Invention)

International (IPC 1-7): A01K64/00

CPC: A01K63/006

European: A01K63/00A1



Family:

Publication number	Publication date	Application number	Application date
DE2845681 A1	19800430	DE19782845681	19781020

Priority:

DE19782845681 19781020

Probable Assignee:

HAGEMANN ROLAND

Assignee(s): (std):

HAGEMANN ROLAND

Inventor(s): (std):

HAGEMANN ROLAND

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE2845681 A1	19800430	LSPB	+	published / reissued	
DE2845681 A1	19841011	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	

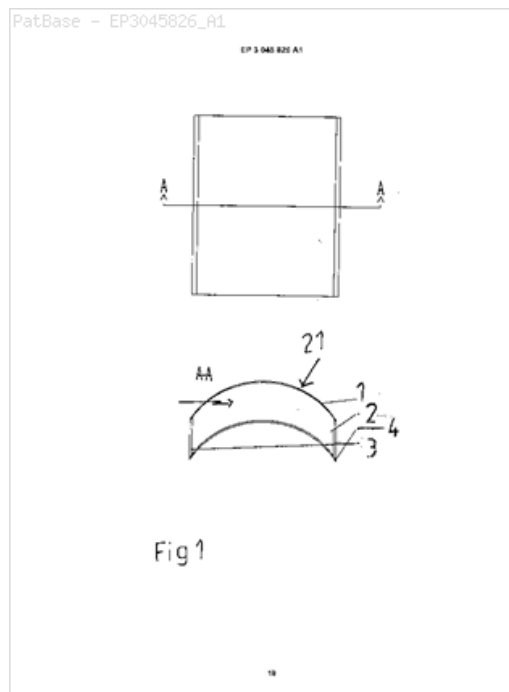
Title: **HEATING** ASSEMBLY WITH ELECTRIC INFRARED **HEATING** ELEMENT AGENCEMENT DE CHAUFFAGE AVEC ELEMENT DE CHAUFFAGE INFRA

Abstract: Source: EP3045826A1 [DE] Die Erfindung betrifft eine Infrarotflaechenheizanordnung mit einer Infrarotflaechenheizung zum Einsatz in sanitaeen Anlagen, insbesondere transportablen, vorzugsweise fahrbaren, WC-Anlagen, Wasch-Anlagen, in Toilettenbrillen, Toilettendeckeln, Mobiltelefonen, Autowaschanlagen, Laderampen, in einem rueckwaertigen Bereich von Lastkraftwagen, Abtauanlagen von Kuehlhaeusern und / oder Winterfrostschutzanlagen. **Machine translation:** The invention relates to a Infrarotflaechenheizanordnung a Infrarotflaechenheizung for use in sanitary facilities, desk, especially portable, preferably drivable, toilets, washing facilities, in toilet seats, toilet covers, mobile phones, car washes, loading ramps, in a rear region of lorries, Abtauanlagen of Kuehlhaeusern and / or winter frost protection systems.

Classifications:

International (IPC 8-9): A47K13/30 F24D13/02
H05B3/20 (Advanced/Invention)

CPC: F24D13/022 H05B3/20 H05B2203/032 A47K13/305 B60S3/00
Y02B30/26 H05B2203/003 H05B2203/004 B60H1/2226



Family:

Publication number	Publication date	Application number	Application date
DE202016003055 U1	20170330	DE201620003055U	20160114
EP3045826 A1	20160720	EP20160000079	20160114

Priority:

DE201510000746 20150116 EP20160000079 20160114

Probable Assignee: KOENIGHAUS GMBH

Assignee(s): (std): KOENIGHAUS GMBH

Inventor(s): (std): KOENIGHAUS TILL

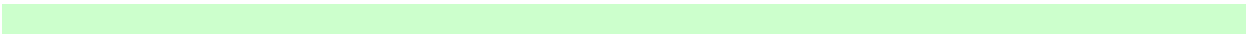
Agent(s): GEHRKE PETER P

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT
RO RS SE SI SK SM TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202016003055 U1	20170330	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202016003055 U1	20170330	LSGT	R207	UTILITY MODEL SPECIFICATION	
DE202016003055 U1	20190131	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	
DE202016003055 U1	20260114	PEXP		Calculated Patent Term Expiry	
EP3045826 A1	20160720	LSPB	+	published / reissued	
EP3045826 A1	20160907	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160727
EP3045826 A1	20190410	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20190311



Title: BACKING SHEET FOR AQUARIA AND TERRARIA COMPRISES SHALLOW BOX WHICH IS OPEN AT FRONT AND TOP, ITS BACK AND SIDE WALLS BEING COVERED WITH POLYSTYRENE FOAM OR ANOTHER POLYMER, SHAPED TO RESEMBLE ROCKS, ETC.

Abstract: Backing sheet for aquaria (11, 12) and terraria comprises a shallow box which is open at the front and top. Its back wall (1) and side walls (2) are covered with polystyrene foam or another polymer, shaped to resemble rocks, etc. (8 - 10). Tubular cable ducts (5) are mounted in its corners.

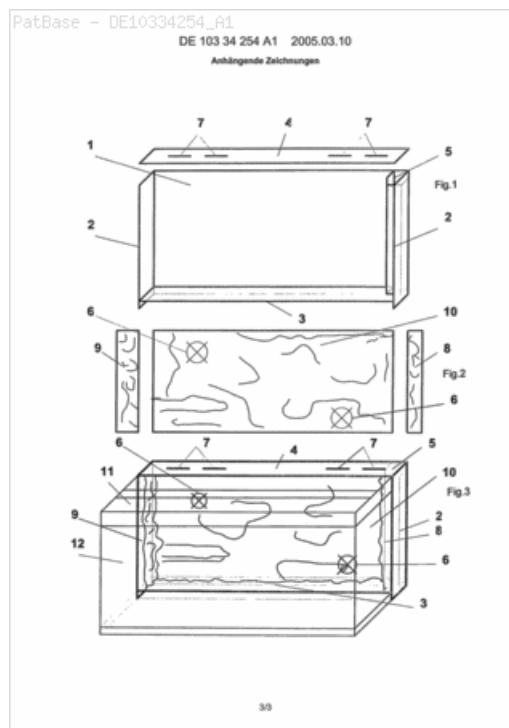
Classifications:

International (IPC 8-9): A01K63/00 A01K63/06 (Advanced/Invention);
A01K63/00 A01K63/06 (Core/Invention)

International (IPC 1-7): A01K63/00 A01K63/06

CPC: A01K63/006 A01K63/06

European: A01K63/00A1 A01K63/06



Family:

Publication number	Publication date	Application number	Application date
DE10334254 A1	20050310	DE20031034254	20030801

Priority:

DE20031034254 20030801

Probable Assignee:

MROZEK PETER

Assignee(s): (std):

MROZEK PETER

Inventor(s): (std):

MROZEK PETER

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE10334254 A1	20050310	LSPB	+	published / reissued	
DE10334254 A1	20050310	LSSE	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE10334254 A1	20090702	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	

Title: Parasitocidal avermectin derivatives

Abstract: Parasitocidally active avermectin derivatives of the formula I in which R1 stands for hydrogen, OH, C1-5-alkanoyloxy, alpha -L-oleandrosyloxy, alpha -L-oleandrosyl- alpha -L-oleandrosyloxy, 4'-C1-5-alkanoyl- alpha -oleandrosyloxy or 4"-C1-5-alkanoyl- alpha -L-oleandrosyl- alpha -L-oleandrosyloxy, R2 stands for hydrogen, OH, C1-5-alkanoyloxy, or R2 stands for hydrogen when there is a double bond between C22 and C23, R3 stands for straight-chain or branched alkyl or alkenyl, and R4 stands for hydrogen, OH, C1-5-alkanoyloxy, heterocyclylcarbonyloxy, or the bond between the C atoms C22 and C23 is a single or a double bond and the double bond of the cyclohexene ring can be between the C atoms C3 and C4 or between the C atoms C4 and C5.

Classifications:

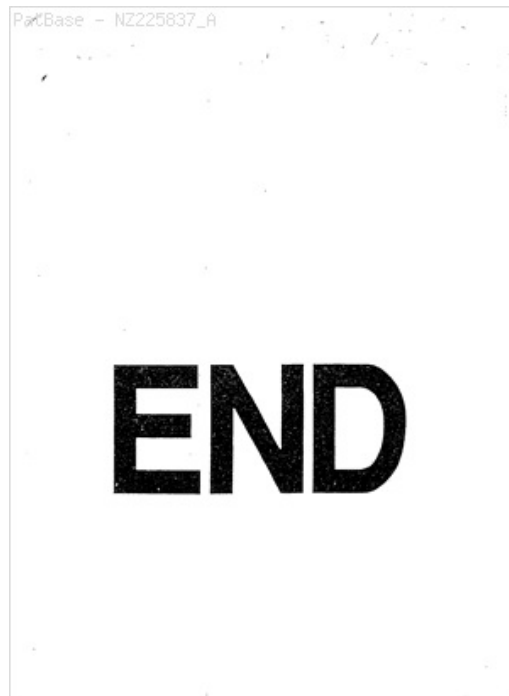
International (IPC 8-9): A61K31/365 A61P33/00 C07D493/22 C07H17/08 C07H19/01 (Advanced/Invention);
A61K31/365 A61P33/00 (Advanced/Non-invention);
A61K31/365 A61P33/00 C07D493/00 C07H17/00 C07H19/00 (Core/Invention)

International (IPC 1-7): A01N43/90 A61K31/35 A61K31/365 A61K31/70 A61K31/71 C07D307/00 C07D311/00 C07D313/00 C07D493/22 C07H17/04 C07H17/08 C07H19/01 C07H3/04

CPC: C07H19/01

European: C07H19/01

US: 514/30 536/7.1 549/264



Family:

Publication number	Publication date	Application number	Application date
AU198821140 A1	19890223	AU19880021140	19880818
BRPI8804191 A	19890314	BR1988PI04191	19880818
DE3727648 A1	19890302	DE19873727648	19870819
EP0303933 A2	19890222	EP19880112884	19880808
EP0303933 A3	19891025	EP19880112884	19880808
JP1068378 A2	19890314	JP19880204836	19880819
JP64068378 A2	19890314	JP19880204836	19880819
NZ225837 A	19900426	NZ19880225837	19880816
US4916120 A	19900410	US19880230221	19880801
ZA8806120 A	19890530	ZA19880006120	19880818

Priority:

DE19873727648 19870819

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AKTIENGESELLSCHAFT ; BAYER LEVERKUSEN GERMANY A GERMAN CORP AG

Inventor(s): (std): ANDREWS PETER ; ANDREWS PETER DR ; PEETAA ANDORUUSU ; BIRUHERUMU SHIYUTENDERU ; BORUFUGANGU REEBEN ; PETER ANDREWS ; ROBEN WOLFGANG ; STENDEL WILHELM ; ROEBEN WOLFGANG ; ROEBEN WOLFGANG DR ; STENDEL WILHELM DR ; ROBEN WOLFGANG DR ; WILHELM STENDEL ; WOLFGANG ROEBEN

Inventor(s): WOLFGANG ROBEN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD

Designated states: BE CH DE FR GB IT LI NL

Legal status (INPADOC)

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Patent Date recorded Event group Code Event Details

AU198821140 A1	19890223	LSPB	+	published / reissued
BRPI8804191 A	19890314	LSPB	+	published /

DE3727648 A1	19890302	LSPB	+	reissued published / reissued	
DE3727648 A1	19900607	LSWD	-8130	WITHDRAWAL	
EP0303933 A2	19890222	LSPB	+	published / reissued	
EP0303933 A2	19890222	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19880808
EP0303933 A3	19900620	LSWD	-18W	APPLICATION WITHDRAWN	DATE APPLICATION WITHDRAWN : 19900425
EP0303933 A3	19900627	LSWD	R18W	APPLICATION WITHDRAWN (CORRECTED)	EFFECTIVE DATE : 19900425
JP1068378 A2	19890314	LSPB	+	published / reissued	
JP64068378 A2	19890314	LSPB	+	published / reissued	
NZ225837 A	19900426	LSPB	+	published / reissued	
US4916120 A	19900410	LSGT	+	granted / extensions (spc, cpc, pte)	
US4916120 A	19880809	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BAYER AKTIENGESELLSCHAFT, LEVERKUSEN, GERMANY, A G OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:ROBEN, WOLFGANG; STENDEL, WILHELM; ANDREWS, PETER; REEL/FRAME:004921/0366 EFFECTIVE DATE : 19880720
US4916120 A	19900207	LSGT	PAT1	Patented Case	
US4916120 A	19940410	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4916120 A	19940621	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19940410
US4916120 A	20180129	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4916120 A	20180129	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4916120 A	20080801	PEXP		Calculated Patent Term Expiry	
ZA8806120 A	19890530	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA8806120 A	20080817	PEXP		Calculated Patent Term Expiry	

Title: SOLAR ENERGY FUNNELING USING THERMOPLASTICS FOR AGRICULTURAL APPLICATIONS

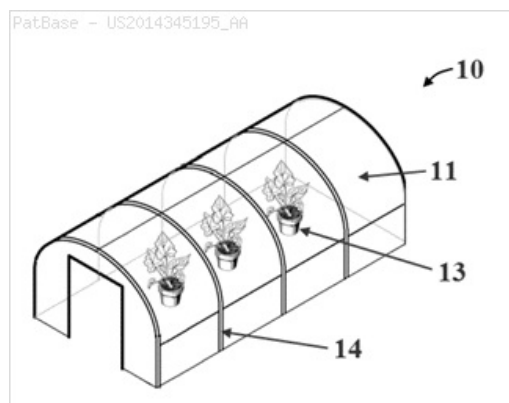
Abstract: Disclosed is a wavelength-conversion material, and methods for its use, that includes an organic fluorescent dye and a polymeric matrix, wherein the organic fluorescent dye is solubilized in the polymeric matrix, and wherein the polymeric matrix is capable of absorbing light comprising a wavelength of 500 to 700 nm and emitting the absorbed light at a wavelength of greater than 550 to 800 nm.

Classifications:

International (IPC 8-9): A01G7/04 A01G7/06 A01G9/14 C08K5/00 C08K5/3417 C08K5/3437 C08K5/526 C08L23/08 C08L67/02 C08L69/00 C09K11/02 C09K11/06 (Advanced/Invention)

CPC: C08K5/0041 A01G9/1407 A01G9/1438 C09K11/02 C09K11/06 C09K2211/1007 C09K2211/1011 C09K2211/1014 C09K2211/1044 A01G7/045 C09K2211/1475 Y02P60/124 C08L69/00 A01G7/06 C08L23/08 Y02A40/252

US: 1/1 252/301.34 428/220 47/58.1LS



Family:

Publication number	Publication date	Application number	Application date
CN104277441 A	20150114	CN201410242758	20140603
DE602014013107 D1	20170928	DE201460013107T	20140603
EP2824138 A1	20150114	EP20140171006	20140603
EP2824138 B1	20170816	EP20140171006	20140603
MA37097 A1	20160229	MA20140037097	20140603
MA37097 B1	20170428	MA20140037097	20140603
US2014345195 AA	20141127	US20130937963	20130709
US9204598 BB	20151208	US20130937963	20130709

Priority:

IN2013DE01595 20130527 US20130937963 20130709 EP20140171006 20140603

Probable Assignee: SAUDI BASIC IND CORP

Assignee(s): (std): SAUDI BASIC IND CORP ; SAUDI BASIC IND CORP SABIC ; SAUDI BASIC INDUTRIES CORP

Assignee(s): SABIC BASIC IND CORP ; SAUDI BASIC IND SABIC CORP

Inventor(s): (std): SAIT M MEERAKANI ; NADKARNI PRADEEP JEEVAJI ; VELATE SURESH ; VASUDEVAN VINOD KUMAR ; NEDUMBAMANA SANKARAN ; VASUDEVAN VINOD ; VINOD KUMAR VASUDEVAN ; SURESH VELATE ; PRADEEP JEEVAJI NADKARNI ; SANKARAN NEDUMBAMANA ; M MEERAKANI SAIT

Inventor(s): SAIT MMEERAKANI

Agent(s): UEXKUELL AND STOLBERG PARTNERSCHAFT VON PATENT U RECHTSANWAELTEN MBB; UEXKUELL AND STOLBERG; NORTON ROSE FULBRIGHT US LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN104277441 A	20150114	LSPB	+	published / reissued	
CN104277441 A	20150114	LSPB	+C06	PUBLICATION	
CN104277441 A	20180713	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	
DE602014013107 D1	20190101	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2824138 A1	20150114	LSPB	+	published / reissued	

EP2824138 A1	20150114	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140603
EP2824138 A1	20150819	LSSES	+R17P	REQUEST FOR EXAMINATION FILED (CORRECTED)	EFFECTIVE DATE : 20150710
EP2824138 A1	20160316	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20160210
EP2824138 A1	20170405	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170310
EP2824138 B1	20170816	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2824138 B1	20170816	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2824138 B1	20170831	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2824138 B1	20170906	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2824138 B1	20170915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 918975 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170915
EP2824138 B1	20170928	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602014013107 COUNTRY OF REF DOCUMENT : DE
EP2824138 B1	20180110	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2824138 B1	20180115	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 918975 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170816
EP2824138 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171116
EP2824138 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE

				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171117
EP2824138 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171216
EP2824138 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171116
EP2824138 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816

				FROM NATIONAL OFFICE TO EPO]	
EP2824138 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180517	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602014013107 COUNTRY OF REF DOCUMENT : DE
EP2824138 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
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EP2824138 B1	20180725	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180517
EP2824138 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20190101	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602014013107 COUNTRY OF REF DOCUMENT : DE
EP2824138 B1	20190131	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2824138 B1	20190227	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20180603
EP2824138 B1	20190320	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2824138 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180603
EP2824138 B1	20190329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170816
EP2824138 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180630
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EP2824138 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180630

EP2824138 B1	20190430	LSLE	-PG25	NATIONAL OFFICE TO EPO] LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180603
EP2824138 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190101
EP2824138 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180630
EP2824138 B1	20340603	PEXP		Calculated Patent Term Expiry	
MA37097 A1	20160229	LSPB	+	published / reissued	
MA37097 B1	20170428	LSGT	+	granted / extensions (spc, cpc, pte)	
MA37097 B1	20340603	PEXP		Calculated Patent Term Expiry	
US2014345195 AA	20141127	LSPB	+	published / reissued	
US2014345195 AA	20151102	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SAUDI BASIC INDUSTRIES CORPORATION, SAUDI ARABIA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE RECEIVING PARTY NAME PREVIOUSLY RECORDED AT REEL: 032451 FRAME: 0395. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:VELATE, SURESH; NADKARNI, PRADEEP JEEVAJI; SAIT, M. MEERAKANI; AND OTHERS; SIGNING DATES FROM 20140312 TO 20140316; REEL/FRA:037030/0334
US2014345195 AA	20151118	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9204598 BB	20151208	LSGT	+	granted / extensions (spc, cpc, pte)	
US9204598 BB	20140317	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SABIC BASIC INDUSTRIES CORPORATION, SAUDI ARABIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:VELATE, SURESH; NADKARNI, PRADEEP JEEVAJI; SAIT, M. MEERAKANI; AND OTHERS; SIGNING DATES FROM 20140312 TO 20140316; REEL/FRA:032451/0395
US9204598 BB	20151027	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in	

				Office of Publications
US9204598 BB	20151118	LSGT	PAT1	Patented Case
US9204598 BB	20160322	LSRE	CC	CERTIFICATE OF CORRECTION
US9204598 BB	20331226	PEXP		Calculated Patent Term Expiry (PTA 170 days)

Title: METHOD AND DEVICE FOR TRANSFERRING ULTRASONIC ENERGY FOR TREATING A FLUID AND/OR AN OBJECT

Abstract: The present invention relates to a method and device for transferring ultrasonic energy to a fluid and/or an object or a plurality of objects. The device comprises: - an ultrasonic transducer; - an amplifier operatively connected to the transducer; and - a function generator operatively connected at least to the amplifier, wherein the transducer is placed in a packed bed of particles.

Classifications:

International (IPC 8-9): A61L2/10 B01F11/02 B01J19/10 B06B1/02 C02F1/32 F21V21/005 H01F17/00 H01F21/02 H01F21/12 H01F29/06 H02M7/06 H03H5/00 H05B37/00 H05B41/292

H05K1/16 (Advanced/Invention);

B01F11/00 B01J19/10 B06B1/02 H01F17/00 H01F21/12 H03H5/00 H05K1/16 (Core/Invention)

CPC: B01F3/04978 B01F11/0258 B01F13/005 B06B1/0223 B06B1/0276 A61L2/10 C02F1/32 H05B41/292 H02M7/064 H03H7/0115 H01F21/12 H01F17/0006 H01F2021/125 H05K1/0286 H05K1/144 H05K1/165

European: B01F11/02G B01F13/00L B01F3/04C22 B06B1/02D3 B06B1/02D3D2 H01F17/00A H01F21/12 H02M7/06B H05B41/292 T01F21/12A T05K1/02M T05K1/14D T05K1/16L

PatBase - WO10041947_A2

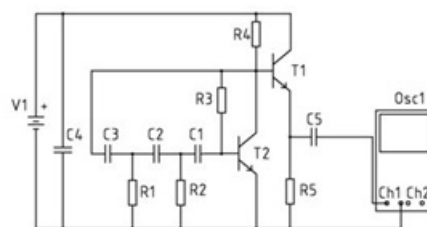


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
NL1036046 C	20100413	NL20081036046	20081010
NL1036082 C	20100419	NL20081036082	20081016
NL1036092 C	20100422	NL20081036092	20081021
NL1036416 C	20100714	NL20091036416	20090113
NL1036416 C2	20100714	NL20091036416	20090113
NL1036981 A	20101123	NL20091036981	20090522
NL1036981 C	20110726	NL20091036981	20090522
NL1036981 C2	20110726	NL20091036981	20090522
NL1036982 C	20101123	NL20091036982	20090522
NL1036982 C2	20101123	NL20091036982	20090522
NL1037277 C	20110314	NL20091037277	20090911
NL1037277 C2	20110314	NL20091037277	20090911
NL1037278 C	20110314	NL20091037278	20090911
NL1037278 C2	20110314	NL20091037278	20090911
WO10041947 A2	20100415	WO2009NL50615	20091012
WO10041947 A3	20100527	WO2009NL50615	20091012
WO10044670 A2	20100422	WO2009NL50627	20091016
WO10044670 A3	20100610	WO2009NL50627	20091016

Priority:

NL20081036046 20081010	NL20081036082 20081016	NL20081036092 20081021
NL20091036416 20090113	NL20091036509 20090203	NL20091036981 20090522
NL20091036982 20090522	NL20091037278 20090911	NL20091037277 20090911

Probable Assignee: EASYMEASURE

Assignee(s): (std): AUTOMATIC ELECTRIC EUROPE SPECIAL PRODUCTS BV ; MAYER MATEO JOZEF JACQUES ; BLAAUW WILHELMUS ; COOPERATIEVE VERENIGING EASYM ; OUDAKKER GERRIT ; COOPERATIEVE VERENIGING EASYMEASURE U A ; TETRADON B V ; EASYMEASURE ; COOPERATIEVE VERENIGING EASYMEASURE U A ; AUTOMATIC ELECTRIC EUROP SPECI ; AUTOMATIC ELECTRIC EUROP SPECIAL PRODUCTS B V ; AUTOMATIC ELECTRIC EUROP SPECIAL PRODUCTS BV ; WATER WAVES B V ; VALKENBERG TOM ; WATER WAVES BV

Assignee(s): AUTOMATIC ELECTRIC EUROPE SPECIAL PRODUCTS B V ; COOPERATIEVE VERENIGING EASYMEASURE UA ; COOPERATIEVE VERENIGING EASYMEASURE UA

Inventor(s): (std): BLAAUW WIL ; VALKENBERG TOM ; OUDAKKER GERRIT ; BLAAUW WILHELMUS ; MAYER MATEO JOZEF JACQUES

Agent(s): VERDIJCK GERARDUS J C ; VERDIJCK GERARDUS J C 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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
NL1036046 C	20100413	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036046 C	20100714	LSAS	SD	ASSIGNMENTS OF PATENTS	EFFECTIVE DATE : 20100630

NL1036046 C	20140521	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20140501
NL1036046 C	20281010	PEXP		Calculated Patent Term Expiry	
NL1036082 C	20100419	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036082 C	20100714	LSAS	SD	ASSIGNMENTS OF PATENTS	EFFECTIVE DATE : 20100630
NL1036082 C	20140521	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20140501
NL1036082 C	20281016	PEXP		Calculated Patent Term Expiry	
NL1036092 C	20100422	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036092 C	20100728	LSAS	SD	ASSIGNMENTS OF PATENTS	EFFECTIVE DATE : 20100713
NL1036092 C	20140521	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20140501
NL1036092 C	20281021	PEXP		Calculated Patent Term Expiry	
NL1036416 C	20100714	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036416 C	20130814	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20130801
NL1036416 C	20290113	PEXP		Calculated Patent Term Expiry	
NL1036416 C2	20100714	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036416 C2	20290113	PEXP		Calculated Patent Term Expiry	
NL1036981 A	20101123	LSPB	+	published / reissued	
NL1036981 C	20110726	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036981 C	20131211	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20131201
NL1036981 C	20290522	PEXP		Calculated Patent Term Expiry	
NL1036981 C2	20110726	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036981 C2	20290522	PEXP		Calculated Patent Term Expiry	
NL1036982 C	20101123	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036982 C	20131211	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20131201
NL1036982 C	20290522	PEXP		Calculated Patent Term Expiry	
NL1036982 C2	20101123	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036982 C2	20290522	PEXP		Calculated Patent Term Expiry	
NL1037277 C	20110314	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1037277 C	20140416	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20140401
NL1037277 C	20290911	PEXP		Calculated Patent Term Expiry	
NL1037277 C2	20110314	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1037277 C2	20290911	PEXP		Calculated Patent Term Expiry	
NL1037278 C	20110314	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1037278 C	20140416	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20140401
NL1037278 C	20290911	PEXP		Calculated Patent Term Expiry	
NL1037278 C2	20110314	LSGT	+	granted / extensions (spc, cpc, pte)	

pte)					
NL1037278 C2	20290911	PEXP		Calculated Patent Term Expiry	
WO10041947 A2	20100415	LSPB	+	published / reissued	
WO10041947 A3	20110411	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10041947 A3	20111102	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 09751986 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO10044670 A2	20100422	LSPB	+	published / reissued	
WO10044670 A3	20110418	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10044670 A3	20111123	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 09737481 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Title: REFLECTOR FOR **TERRARIUM** HAS A CONICAL ARRANGEMENT TO REFLECT LIGHT AND **HEAT** DOWN INTO THE **TERRARIUM**

Abstract: A reflector for a **terrarium** holding a light or burner has a conical side and upper shape enclosing a reflector (1) which directs the **heat** and light radiation produced down into the **terrarium**.

Classifications:

International (IPC 8-9): A01K63/06 F21V29/505

F21V7/20 (Advanced/Invention);

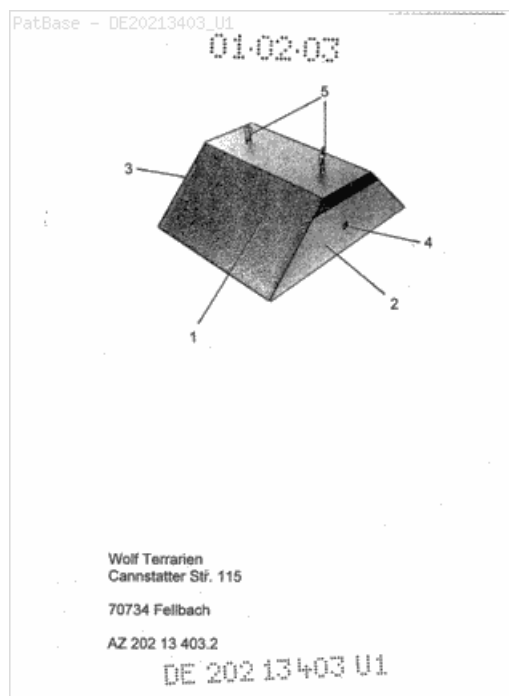
F21V7/22 (Advanced/Non-invention);

A01K63/06 F21V7/00 (Core/Invention)

International (IPC 1-7): A01K63/06 F21V7/05 F21V7/22

CPC: A01K63/06 F21V7/22 F21V29/505

European: A01K63/06 F21V7/20 R21V7/22



Family:

Publication number	Publication date	Application number	Application date
DE20213403 U1	20030522	DE20022013403U	20020830

Priority:

DE20022013403U 20020830

Probable Assignee:

WOLF WERNER

Assignee(s): (std):

WOLF WERNER

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE20213403 U1	20030522	LSGT	+	granted / extensions (spc, cpc, pte)	
DE20213403 U1	20020830	LSLI	R086	NON-BINDING DECLARATION OF LICENSING INTEREST	
DE20213403 U1	20030522	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20030522
DE20213403 U1	20060614	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	EFFECTIVE DATE : 20060301
DE20213403 U1	20120830	PEXP		Calculated Patent Term Expiry	

Title: GENIUS ADAPTIVE DESIGN

Abstract: Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1-707-428-5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in trying it out. Discover amazing inventions inside today.

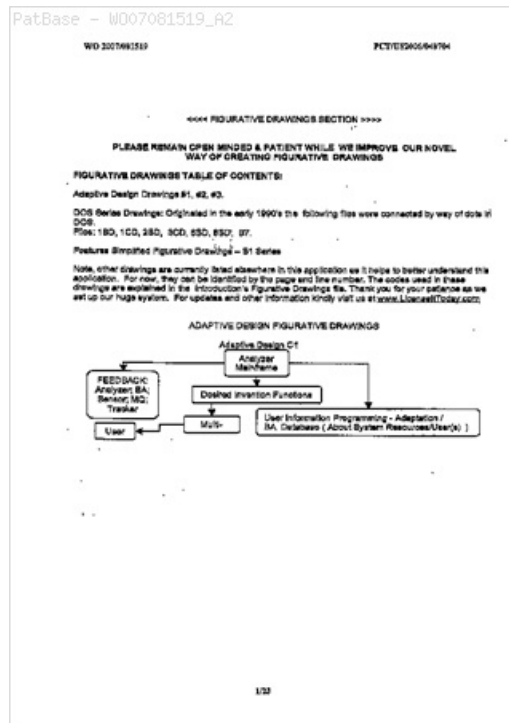
Classifications:

International (IPC 8-9): E06B7/32 G06F17/00 G06F17/30 G06Q G06Q10/00 G06Q30/00 G06Q50/00 (Advanced/Invention)

International (IPC 1-7): G06Q30/00

CPC: G06F8/70 G06F9/445 G06Q10/10 G06F16/00 G06Q30/0601

European: G06Q10/10



Family:

Publication number	Publication date	Application number	Application date
AP200804559 A0	20080831	AP20080004559	20061219
AU20060335151 AA	20070719	AU20060335151	20061219
AU2013200386 AA	20130221	AU20130200386	20130125
CA2635954 AA	20080630	CA20062635954	20061219
CO6160255 A2	20100520	CO20080079355	20080731
EP2059899 A2	20090520	EP20060849217	20061219
EP2059899 A4	20120704	EP20060849217	20061219
IL192465 A0	20090922	IL20060192465	20061219
IN06638DN2008 A	20100507	IN2008DN06638	20080730
JP2009522654 T2	20090611	JP20080548620T	20061219
KR20080112193 A	20081224	KR200807018774	20061219
KR20130124572 A	20131114	KR20137024611	20061219
MX2008008625 A1	20090107	MX20080008625	20061219
NZ570109 A	20110826	NZ20060570109	20061219
WO07081519 A2	20070719	WO2006US48704	20061219
WO07081519 C1	20080612	WO2006US48704	20061219

Priority:

US20050755291P 20051230	US20060756607P 20060105	US20060778313P 20060301
US20060783018P 20060315	US20060786906P 20060328	US20060852794P 20061018
AU20060335151 20061219	WO2006US48704 20061219	AU20130200386 20130125

Probable Assignee: INNOVATION INST LLC

Assignee(s): (std): CABINALLA LINDA ; INNOVATION INST LLC ; KAYS STEVEN ; WORLD CHARITY DIVISION LICENSE ; STEVEN KAYS

Assignee(s): WORLD CHARITY DIVISION LICENSEIT TODAY COM LLC ; WORLD CHARITY DIVISION LICENSEIT TODAY COM LLC ; INNOVATION INSTITUTE LLC

Inventor(s): (std): CABINALLA LINDA ; KAYS STEVEN

Inventor(s): STEVEN KAYS

Agent(s): SHELSTON IP; KAYS STEVEN; INNOVATION INSTITUTE ION LLC; BORDEN LADNER GERVAIS LLP; MAURICIO JARAMILLO CAMPUZANO; BEETZ AND PARTNER

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 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2006335151 AA	20070719	LSPB	+	published / reissued	
AU2006335151 AA	20130718	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION	
AU2013200386 AA	20130221	LSPB	+	published / reissued	
AU2013200386 AA	20140710	LSLE	-MK1	APPLICATION LAPSED SECTION 142(2)(A) - NO REQUEST FOR EXAMINATION IN RELEVANT PERIOD	
CA2635954 AA	20080630	LSPB	+	published / reissued	
CA2635954 AA	20111212	LSES	+EEER	EXAMINATION REQUEST	
CA2635954 AA	20150811	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20150616
CO6160255 A2	20100520	LSPB	+	published / reissued	
EP2059899 A2	20090520	LSPB	+	published / reissued	
EP2059899 A2	20090520	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20080728
EP2059899 A4	20120704	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20120601
EP2059899 A4	20120704	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G06Q 30/00 20120101AFI20120525BHEP
EP2059899 A4	20120704	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G06F 17/30 20060101ALI20120525BHEP
EP2059899 A4	20130717	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20130612
EP2059899 A4	20140428	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R003
EP2059899 A4	20141112	LSRV	-18R	APPLICATION REFUSED	EFFECTIVE DATE : 20140428
IN06638DN2008 A	20100507	LSPB	+	published / reissued	
JP2009522654 T2	20090611	LSPB	+	published / reissued	
JP2009522654 T2	20091219	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20091218
JP2009522654 T2	20110208	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20110207
JP2009522654 T2	20120523	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120522

JP2009522654 T2	20121017	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20121016
KR20080112193 A	20081224	LSPB	+	published / reissued	
KR20080112193 A	20111219	LSES	A201	REQUEST FOR EXAMINATION	
KR20080112193 A	20130117	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20080112193 A	20140220	LSRV	-E601	DECISION TO REFUSE APPLICATION	
KR20130124572 A	20131114	LSPB	+	published / reissued	
KR20130124572 A	20131016	LSES	A201	REQUEST FOR EXAMINATION	
KR20130124572 A	20140115	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20130124572 A	20141124	LSRV	-E601	DECISION TO REFUSE APPLICATION	
MX2008008625 A1	20090107	LSPB	+	published / reissued	
MX2008008625 A1	20160429	LSRV	-FC	REFUSAL	
NZ570109 A	20110826	LSPB	+	published / reissued	
NZ570109 A	20111222	LSGT	+PSEA	PATENT SEALED	
NZ570109 A	20120224	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ570109 A	20130531	LSRE	ERR	ERROR OR CORRECTION	TEXT : THE AGENT HAS BEEN REMOVED; THE CONTACT HAS BEEN REMOVED EFFECTIVE DATE : 20130524
NZ570109 A	20130830	LSRE	ERR	ERROR OR CORRECTION	TEXT : THE MISSING CONTACT HAS BEEN ADDED (1219377, STEVEN KAYS, SUITE 4935, 24B MOOREFIELD ROAD, JOHNSONVILLE, WELLINGTON 6037, NZ) EFFECTIVE DATE : 20130820
NZ570109 A	20130927	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 19 DEC 2016 BY SKAYS EFFECTIVE DATE : 20130914
NZ570109 A	20170630	LSLE	-LAPS	PATENT LAPSED	
WO07081519 A2	20070719	LSPB	+	published / reissued	
WO07081519 C1	20080627	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12008501570 COUNTRY OF REF DOCUMENT : PH
WO07081519 C1	20080630	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2008548620 COUNTRY OF REF DOCUMENT : JP
WO07081519 C1	20080630	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2008/008625 COUNTRY OF REF DOCUMENT : MX
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WO07081519 C1	20080701	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07081519 C1	20080725	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO	REF DOCUMENT NUMBER : 2006335151 COUNTRY OF REF DOCUMENT : AU

WO07081519 C1	20080728	LSNP	+WWE	NATIONAL PHASE WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006849217 COUNTRY OF REF DOCUMENT : EP
WO07081519 C1	20080729	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : AP/P/2008/004559 COUNTRY OF REF DOCUMENT : AP
WO07081519 C1	20080729	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 570109 COUNTRY OF REF DOCUMENT : NZ
WO07081519 C1	20080730	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 6638/DELNP/2008 COUNTRY OF REF DOCUMENT : IN
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WO07081519 C1	20080731	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 08079355 COUNTRY OF REF DOCUMENT : CO
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WO07081519 C1	20130916	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020137024611 COUNTRY OF REF DOCUMENT : KR

Title: COMPOSITIONS, DEVICES AND METHODS FOR CONTROL OF PESTS USING VAPOR ACTIVITY

Abstract: Devices and methods for the control of pests using the vapors of a pesticidal composition. Compositions, devices and methods for the selective control of pests while not harming one or more beneficial insects are also disclosed. In some embodiments, the pests are bed bugs, fleas, lice, ticks, or the like. In some embodiments, the pests are varroa mites and the beneficial insects are honey bees.

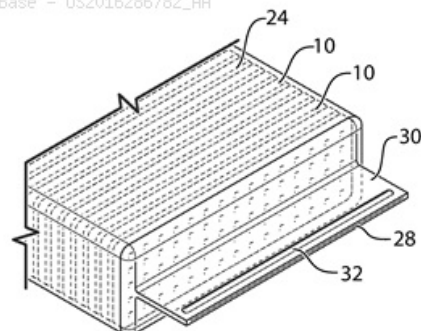
Classifications:

International (IPC 8-9): A01M A01M1/20 A01M13/00 A01M17/00 A01N A01N25/02 A01N25/18 A01N35/04 A01N65/26 A01P A01P7/00 A61K A61K31/11 A61K31/12 A61K36/58 A61K9/00 A61P A61P9/14 (Advanced/Invention)

CPC: A61K31/12 A01M1/2022 A01M1/2027 A01M13/003 A01M1/2055 A01M17/008 A01M1/2044 A01M1/2033 A01M1/2077 A01M2200/011 A01M1/2061 A01N25/18 A01N25/02 A01N65/00 Y02A50/322 Y02A50/324

US: 43/129

PatBase - US2016286782_AA



Family:

Publication number	Publication date	Application number	Application date
AU2014349701 AA	20160623	AU20140349701	20141118
AU2014349701 BB	20180719	AU20140349701	20141118
AU2018247325 AA	20181108	AU20180247325	20181012
CA2931054 AA	20160518	CA20142931054	20141118
EP3082432 A1	20161026	EP20140862944	20141118
EP3082432 A4	20180509	EP20140862944	20141118
US2016286782 AA	20161006	US20140037513	20141118
US2018116198 AA	20180503	US20170851550	20171221
WO15071890 A1	20150521	WO20141866139	20141118
ZA201603706 A	20171129	ZA20160003706	20160531

Priority:

US20130905415P 20131118	US20130911434P 20131203	US20130913194P 20131206
US20130918641P 20131219	US20140941049P 20140218	US20140008425P 20140605
AU20140349701 20141118	WO20141866139 20141118	US20140037513 20141118
US20160037513 20160518	US20170851550 20171221	AU20180247325 20181012

Probable Assignee: TERRAMERA INC

Assignee(s): (std): 0903608 B C LTD

Assignee(s): 0903608 BC LTD ; LENTZ SHANNON ; MANHAS KARAN ; OZEROFF SASHA ; TAKEUCHI ROBERT JAMES ETSU ; ROZEK ANNETT ; WOODBURY NATHAN ; TERRAMERA INC ; VENTURE LENDING AND LEASING VIII INC

Inventor(s): (std): LENTZ SHANNON ; OZEROFF SASHA ; TAKEUCHI ROBERT JAMES ETSU ; MANHAS KARAN ; ROZEK ANNETT ; WOODBURY NATHAN

Inventor(s): TAKEUCHI ROBERT JAMES

Agent(s): AJ PARK; OYEN WIGGS GREEN AND MUTALA LLP; CLEVELAND; MARLES JENNIFER A 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2014349701 AA	20160623	LSPB	+	published / reissued	
AU2014349701 BB	20180719	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2014349701 BB	20181115	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2014349701 BB	20341118	PEXP		Calculated Patent Term Expiry	

AU2018247325 AA	20181108	LSPB	+	published / reissued	
CA2931054 AA	20160518	LSPB	+	published / reissued	
EP3082432 A1	20161026	LSPB	+	published / reissued	
EP3082432 A1	20161026	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160816
EP3082432 A1	20171227	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A01M 13/00 20060101ALI20171120BHEP
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US2016286782 AA	20160518	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : TERRAMERA, INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MANHAS, KARAN; ROZEK, ANNETT; WOODBURY, NATHAN; AND OTHERS; SIGNING DATES FROM 20150205 TO 20150902; REEL/FRAME:038637/0818
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US2016286782 AA	20171020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENTURE LENDING & LEASING VIII, INC., CALIFORNIA OLDPARTY : SECURITY INTEREST; ASSIGNOR:0903608 B.C. LTD.; REEL/FRAME:044255/0893

EFFECTIVE DATE : 20171020					
US2016286782 AA	20180720	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016286782 AA	20180723	LSES	NFA1	Non Final Action Mailed	
US2016286782 AA	20190225	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016286782 AA	20190227	LSES	NFA1	Non Final Action Mailed	
US2018116198 AA	20180503	LSPB	+	published / reissued	
WO15071890 A1	20150521	LSPB	+	published / reissued	
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WO15071890 A1	20160518	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
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WO15071890 A1	20160623	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2014349701 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20141118 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
ZA201603706 A	20171129	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201603706 A	20360530	PEXP		Calculated Patent Term Expiry	

Title: DETACHABLE AND COLLAPSABLE PALLET BOX ASSEMBLY

Abstract: Pallet box assembly configured as planter box or workman's utility box is disclosed. The pallet box assembly includes a pallet base, two side panels, a front panel, and a rear panel, which are collapsible and reusable. Pallet base has tenon joint parts with locking mechanisms that extend out. Pallet base has an opening extending therethrough for ease of handling by pallet jack or hand truck. The side panels include grooves. Front and rear panels include tenon joint part with locking mechanism. The side panels are identical and interchangeable, the front panel is identical and interchangeable with the rear panel. Each locking mechanism includes a winged bolt threadedly inserted and engaged into the tenon joint part, and a wing which is rotated by about 45 to 135 degrees to engageably and securely attach the corresponding tenon joint part in the corresponding groove, so that the pallet box assembly is securely installed.

Classifications:

International (IPC 8-9): A01G9/02 A01G9/10 B23P19/04 B62B3/00

B62B3/02 B65D19/06 B65D19/42 (Advanced/Invention);

B62B3/00 B62B3/02 (Advanced/Non-invention)

CPC: A01G9/02 B62B3/004 B62B2202/50 B62B2202/70 Y10T29/49815

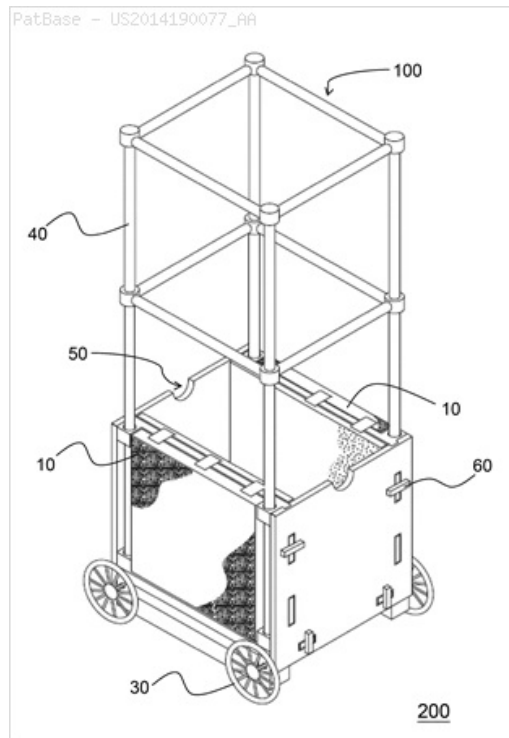
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B62B3/002 B65D2519/00034 B65D2519/00024 B65D2519/00029

B65D2519/00154 B65D2519/00059 B65D2519/00064 B65D2519/00069

B65D2519/00542 B65D2519/008 B62B3/02 A01G9/029

US: 220/4.01 280/79.2 29/426.1 29/428 29/525.02 47/66.1



Family:

Publication number	Publication date	Application number	Application date
US2014190077 AA	20140710	US20130038761	20130927
US2017215348 AA	20170803	US20170487399	20170413
US9655307 BB	20170523	US20130038761	20130927

Priority:

US20130848438P 20130104

US20130038761 20130927

US20170487399 20170413

Probable Assignee:

BURMANN FRANK JOSEPH

Assignee(s): (std):

BURMANN FRANK JOSEPH

Inventor(s): (std):

BURMANN FRANK JOSEPH

Agent(s):

DING YU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2014190077 AA	20140710	LSPB	+	published / reissued	
US2014190077 AA	20170503	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017215348 AA	20170803	LSPB	+	published / reissued	
US2017215348 AA	20190603	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US9655307 BB	20170523	LSGT	+	granted / extensions (spc, cpc, pte)	
US9655307 BB	20151202	LSES	NFA1	Non Final Action Mailed	
US9655307 BB	20170417	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	

US9655307 BB	20170503	LSGT	PAT1	Patented Case
US9655307 BB	20340824	PEXP		Calculated Patent Term Expiry (PTA 331 days)

Title: WALL MOUNTED AQUARIUM WITH INTEGRAL EQUIPMENT AND CONTROLS - USES RIGID RECTANGULAR FRAME AND BACK PLANE TO SUPPORT AQUARIUM FINISHED TO RESEMBLE FRAMED PICTURE

Abstract: The aquarium or **terrarium** is constructed with a shallow depth and finished to resemble a framed picture. It is intended to be hung on a wall as an interior decorator item. The electrical equipment required for environment control in the enclosure is installed in a separate compartment where it cannot be seen from the front. A shallow rectangular box (2) has a rigid back (34) with a thermally insulating covering. Fittings for wall mounting are fixed to the back. A glass cover (38) is provided at the front with decorative edging (37). In the bottom a perforated plastics cover (7) has sand underneath to allow waste to fall through to be chemically treated. A strip light with adjustable intensity is fitted in the top of the enclosure and a separate compartment (27) includes **heaters**, filters and air pumps together with all control electronics.

Classifications:

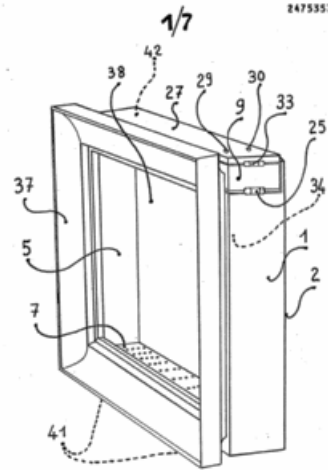
International (IPC 8-9): A01K63/00 (Advanced/Invention);
A01K63/00 (Core/Invention)

International (IPC 1-7): A01K63/00

CPC: A01K63/003

European: A01K63/00A

PatBase - FR2475357_A1



Family:

Publication number	Publication date	Application number	Application date
FR2475357 A1	19810814	FR19800003114	19800213

Priority:

FR19800003114 19800213

Probable Assignee:

CUISENIER MICHEL

Assignee(s): (std):

CUISENIER MICHEL

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
FR2475357 A1	19810814	LSPB	+	published / reissued	

Title: Apparatus for exterminating animal parasites in situs

Abstract: An and apparatus for the extermination of parasites including fleas and ticks characterized by hermetically enclosing the body of a host animal within a chamber and circulating an atoxic vapor through the chamber as a treatment repeated until the parasite count is reduced, and an apparatus comprised of a hermetic chamber with air recirculation of a vaporized liquid lethal to the parasites.

Classifications:

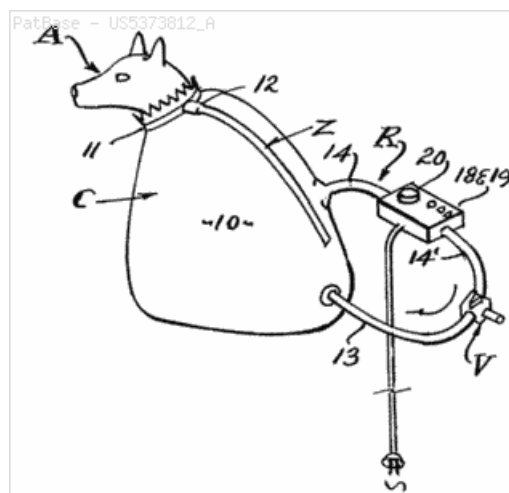
International (IPC 8-9): A01K13/00 (Advanced/Invention);
A01K13/00 (Core/Invention)

International (IPC 1-7): A01K29/00

CPC: A01K13/003

European: A01K13/00D

US: 119/159 119/160 119/671 119/678



Family:

Publication number	Publication date	Application number	Application date
US5373812 A	19941220	US19930094707	19930722
US5488928 A	19960206	US19940283940	19940801

Priority:

US19930094707 19930722 US19940283940 19940801

Probable Assignee: GARCIA LOPEZ FRANCISCO J

Assignee(s): (std): GARCIA LOPEZ FRANCISCO J ; LOPEZ FRANCISCO J G

Inventor(s): (std): GARCIA LOPEZ FRANCISCO J ; LOPEZ FRANCISCO J G

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5373812 A	19941220	LSGT	+	granted / extensions (spc, cpc, pte)	
US5373812 A	19941209	LSGT	PAT1	Patented Case	
US5373812 A	19981220	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5373812 A	19990302	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19981220
US5373812 A	20180126	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5373812 A	20180126	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5373812 A	20130722	PEXP		Calculated Patent Term Expiry	
US5488928 A	19960206	LSGT	+	granted / extensions (spc, cpc, pte)	
US5488928 A	19960125	LSGT	PAT1	Patented Case	
US5488928 A	20000206	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5488928 A	20000418	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20000206
US5488928 A	20180125	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	

US5488928 A	20180125	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5488928 A	20140801	PEXP		Calculated Patent Term Expiry	

Title: LIGHT FIXTURE AND LIGHTING METHOD

Abstract: A light fixture allows individual light bulbs to be arranged in compact fashion to maximize the number of bulbs per given area in the fixture. To facilitate replacement or exchange of the bulbs, the bulbs are mounted in alternating succession on a pair of separately movable supports, reorientation of which serves to remove the bulbs from the tight packed arrangement, to one in which the bulbs are sufficiently separated from one another to allow hand access for removal and installation of the bulbs. A distinct aspect of the aforementioned feature of the invention independent of the movable supports resides in the ability to utilize two of more of the fixtures to multiply the light produced. Advantageously, the fixtures can be arranged in direct physical series, side by side, or to form an array extending in orthogonal directions.

Classifications:

International (IPC 8-9): A01K1/03 F21V19/00

F21V19/02 (Advanced/Invention);

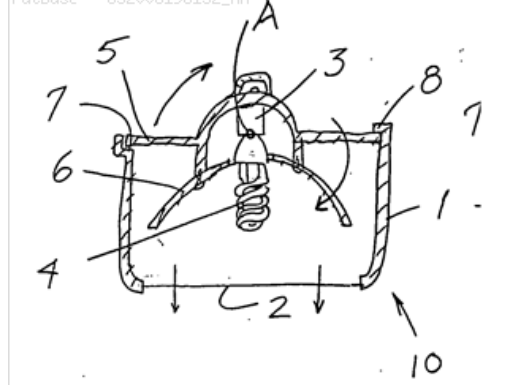
A01K1/02 F21V19/00 F21V19/02 (Core/Invention)

CPC: Y02A40/274 F21V19/04 A01G9/26 A01K63/06 F21W2131/308

European: A01G9/26 A01K63/06 F21V19/04 R21W131/308

US: 119/452 362/228 362/285 362/285P 362/375 362/382 362/400

PatBase - US2006198152_AA



Family:

Publication number	Publication date	Application number	Application date
US2006198152 AA	20060907	US20060325271	20060103
US2009175039 AA	20090709	US20090381190	20090309
US7500765 BB	20090310	US20060325271	20060103
US8070323 BB	20111206	US20090381190	20090309

Priority:

US20050641243P 20050103 US20060325271 20060103 US20090381190 20090309

Probable Assignee: WECHSLER LAWRENCE I

Assignee(s): (std): WECHSLER LAWRENCE I

Inventor(s): (std): WECHSLER LAWRENCE I

Inventor(s): WECHSLER LAWRENCE

Agent(s): LAWRENCE I WECHSLER; LAWRENCE I WESCHLER

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2006198152 AA	20060907	LSPB	+	published / reissued	
US2009175039 AA	20090709	LSPB	+	published / reissued	
US2009175039 AA	20111116	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7500765 BB	20090310	LSGT	+	granted / extensions (spc, cpc, pte)	
US7500765 BB	20130310	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7500765 BB	20130408	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7500765 BB	20130408	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7500765 BB	20130430	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20130310
US7500765 BB	20260506	PEXP		Calculated Patent Term Expiry (PTA 123 days)	
US8070323 BB	20111206	LSGT	+	granted / extensions (spc, cpc, pte)	

US8070323 BB	20111116	LSGT	PAT1	Patented Case	
US8070323 BB	20151203	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8070323 BB	20290309	PEXP	Calculated Patent Term Expiry (a terminal disclaimer has been filed)		

Title: BELEUCHTUNG FUER AQUARIEN UND TERRARIEN LIGHTING for aquariums and **terrariums** (Machine translation)

Abstract: Source: DE20020352U1 [DE] (Claim 1) 1. Beleuchtung fuer Terrarien und Aquarien, dadurch gekennzeichnet, dass Leuchtdioden als Leuchtmittel angeordnet sind.

Machine translation: (Claim 1) 1. Lighting for Terrarien and aquariums, by the fact characterized that light emitting diodes are arranged as shining means.

Classifications:

International (IPC 8-9): A01K63/06 F21V23/00 F21V23/04 F21V9/10 F21V9/40 (Advanced/Invention);

A01K63/06 F21V23/00 F21V23/04 F21V9/00 (Core/Invention)

International (IPC 1-7): A01K63/06 F21S2/00 F21V19/00 F21V23/04 F21W131/308 F21Y101/02 H05B37/02

CPC: F21V23/04 A01K63/06 F21V9/02 F21W2131/308 F21Y2115/10 F21V9/40

European: A01K63/06 F21V23/04 F21V9/02 F21V9/10 R21W131/308 R21Y101/02

Family:

Publication number	Publication date	Application number	Application date
 DE20020352 U1	20010329	DE20002020352U	20001130

Priority:

DE20002020352U 20001130

Probable Assignee: FISCHER UDO

Assignee(s): (std): FISCHER UDO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE20020352 U1	20010329	LSGT	+	granted / extensions (spc, cpc, pte)	
DE20020352 U1	20010329	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20010329
DE20020352 U1	20040923	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	EFFECTIVE DATE : 20040602
DE20020352 U1	20101130	PEXP		Calculated Patent Term Expiry	

Title: WALL-LESS ANIMAL CONTAINMENT SYSTEM

Abstract: PCT No. PCT/US97/16365 Sec. 371 Date Mar. 9, 1999 Sec. 102(e) Date Mar. 9, 1999 PCT Filed Sep. 12, 1997 PCT Pub. No. WO98/12914 PCT Pub. Date Apr. 2, 1998A wall-less animal containment system for non-flying animals. The containment system includes a lower enclosure (24) that defines a generally upward concavity from a center portion (44) to a rim (48) with a wall extending between the center portion (44) and the rim (48). The interior surfaces of the wall are sufficiently smooth to prevent the animals contained therein from gripping onto the wall and climbing out of the lower enclosure (25). A perch (50", 50') is located above the lower enclosure (24) to permit animals in the containment system to perch above the lower enclosure (24). A lower support (36, 120) extends from the lower enclosure (24) and spaces the perch (50", 50') above the lower enclosure (24). The lower support (36, 120) is located so as to be a distance away from the rim (48) of the lower enclosure (24) to prevent an animal from climbing from the support (36, 120) to the rim (48). A lamp assembly (60) which includes a bulb, is located above the perch (50", 50') and is directed downward thereon.

Classifications:

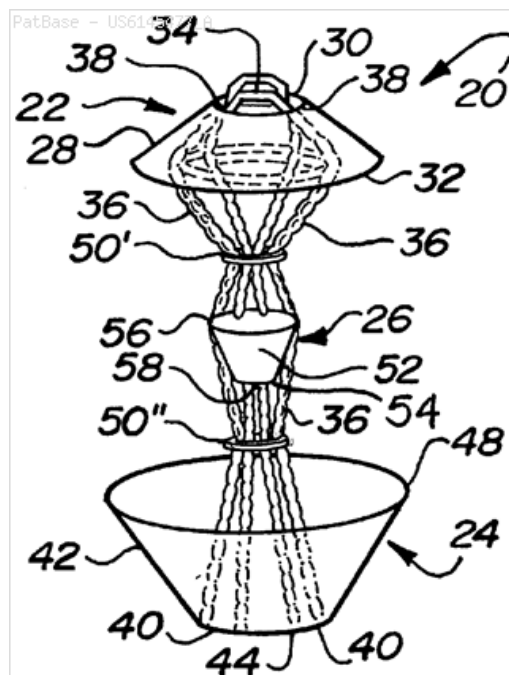
International (IPC 8-9): A01K1/00 A01K1/03 A01K63/00 A01K7/02 (Advanced/Invention)

International (IPC 1-7): A01K1/00 A01K31/12 A01K7/02

CPC: A01K1/03 A01K63/003

European: A01K1/03 A01K63/00A

US: 119/416 119/452 119/468 119/57.9

**Family:**

Publication number	Publication date	Application number	Application date
CA2265638 AA	19990309	CA19972265638	19970912
US6145477 A	20001114	US19990254756	19990309
WO9812914 A2	19980402	WO1997US16365	19970912
WO9812914 A3	19980604	WO1997US16365	19970912

Priority:

US19960025196P 19960912 WO1997US16365 19970912 US19990254756 19990309

Probable Assignee: JANSEN LABORATORIES LLC

Assignee(s): (std): JANSEN JOHN ; JANSEN LAB L L C ; JANSEN LAB LLC

Assignee(s): JANSEN LABORATORIES L L C ; JANSEN LABORATORIES LLC

Inventor(s): (std): JANSEN JOHN

Agent(s): MACRAE AND CO

Designated states: AT BE CA CH DE DK ES FI FR GB GR IE IT JP LU MC MX NL PT SE US

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2265638 AA	19990309	LSPB	+	published / reissued	
CA2265638 AA	20010912	LSLE	-FZDE	DEAD	
US6145477 A	20001114	LSGT	+	granted / extensions (spc, cpc, pte)	
US6145477 A	19990309	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : JANSEN LABORATORIES, LLC, MICHIGAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:JANSEN, JOHN; REEL/FRAME:010372/0260 EFFECTIVE DATE : 19980811

US6145477 A	20041115	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6145477 A	20041215	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6145477 A	20041215	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6145477 A	20050111	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20041114
US6145477 A	20190309	PEXP		Calculated Patent Term Expiry	
WO9812914 A2	19980402	LSPB	+	published / reissued	
WO9812914 A3	19990309	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2265638 COUNTRY OF REF DOCUMENT : CA
WO9812914 A3	19990309	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2265638 COUNTRY OF REF DOCUMENT : CA KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO9812914 A3	19990309	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 09254756 COUNTRY OF REF DOCUMENT : US
WO9812914 A3	19990604	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 1998515705 COUNTRY OF REF DOCUMENT : JP
WO9812914 A3	20000126	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO

Title: 3-hydroxy-4-aryl-5-oxo-pyrazoline derivatives

Abstract: There are provided new 3-hydroxy-4-aryl-5-oxo-pyrazoline derivatives of the formula (I) (I) The new 3-hydroxy-4-aryl-5-oxo-pyrazoline derivatives of the formula (I) have a particularly pronounced activity against animal pests, in particular against insects and arachnids, and against weeds.

Classifications:

International (IPC 8-9): A01N43/56 A01N43/90 A01N47/06 A01N47/18 A01N57/16 C07C57/34 C07C59/88 C07D231/08 C07D231/32 C07D231/34 C07D231/36 C07D231/56 C07D487/04 C07D487/08 C07F9/65 C07F9/6503 C07F9/6561 (Advanced/Invention); A01N43/48 C07C57/00 C07C59/00 C07D231/00 C07D487/00 (Core/Invention)

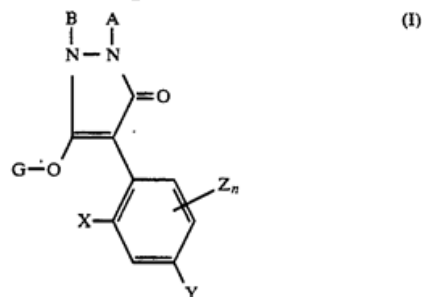
International (IPC 1-7): A01N33/18 A01N37/48 A01N41/06 A01N43/50 A01N43/56 A01N43/58 A01N43/62 A01N43/66 A01N43/707 A01N43/74 A01N43/88 A01N43/90 A01N47/06 A01N47/10 A01N47/18 A01N47/36 A01N57/16 A01N57/24 C07C45/87 C07C55/28 C07C57/34 C07C59/88 C07D231/08 C07D231/32 C07D231/34 C07D231/36 C07D231/54 C07D237/26 C07D247/00 C07D487/02 C07D487/04 C07D487/08 C07F9/40 C07F9/65 C07F9/6503 C07F9/6561

CPC: A01N43/56 A01N43/90 A01N47/06 A01N47/18 A01N57/16 C07D231/32 C07D487/04 C07D487/08

European: A01N43/56 A01N43/90 A01N47/06 A01N47/18 A01N57/16 C07D231/32 C07D487/04 C07D487/08

US: 504/197 504/219 504/236 504/281 504/282 514/221 514/248 514/404 514/405 514/80 514/85 514/94 540/542 540/567 544/232 544/234 544/235 548/114 548/116 548/359.1 548/360.1 548/363.1 548/366.4 562/489 562/840 562/849 568/307

PatBase - US5332720_A



Family:

Publication number	Publication date	Application number	Application date
BRPI9200983 A	19921117	BR1992PI00983	19920320
DE4109208 A1	19920924	DE19914109208	19910321
DE59208415 D1	19970605	DE19925008415	19920310
EP0508126 A1	19921014	EP19920104044	19920310
EP0508126 B1	19970502	EP19920104044	19920310
ES2101764 T3	19970716	ES19920104044T	19920310
GR3023621 T3	19970829	GR19970401265T	19970530
JP3100223 B2	20001016	JP19920091438	19920318
JP5117240 A2	19930514	JP19920091438	19920318
KR100212941 B1	19990802	KR19920004287	19920316
KR19920018054 A	19921021	KR19920004287	19920316
MX9201103 A1	19921221	MX19920001103	19920313
TW200466 B	19930221	TW19920101310	19920222
US5332720 A	19940726	US19920968888	19921216
US5358924 A	19941025	US19920999058	19921231
US5474974 A	19951212	US19940233911	19940428
US5661110 A	19970826	US19950476171	19950607
US5739389 A	19980414	US19960774469	19961230
US5780394 A	19980714	US19970788715	19970123
US6221810 BA	20010424	US19980052290	19980331

Priority:

DE19914109208 19910321	DE19925008415 19920310	US19920849863 19920312
US19920968888 19921216	US19920999058 19921231	US19940233911 19940428
US19950476171 19950607	US19960774469 19961230	US19970788715 19970123
US19980052290 19980331		

Probable Assignee: NCR CORP

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AG 51373 LEVERKUSEN DE ; BAYER AKTIENGESellschaft ; NCR CORP ; BAYER 51373 LEVERKUSEN DE AG

Inventor(s): (std): BOHM STEFAN ; BOHM STEFAN DR ; BRETSCHNEIDER THOMAS DR ; BERTRAM HEINZ JUERGEN DR ; BERTRAM HEINZ JURGEN DR ; BOEHM STEFAN DR ; ERDELEN CHRISTOPH DR ; FISCHER REINER DR ; KREBS ANDREAS DR ; KRUEGER BERND WIELAND DR ; KRUGER BERND WIELAND DR ; LUERSSEN KLAUS DR ; SANTEL HANS JOACHIM DR ; SANTEL HANS JOAQUIM DR ; SCHENKE THOMAS DR ; SCHMIDT ROBERT R ; SCHMIDT ROBERT R DR ; STENDEL WILHELM DR ; WACHENDORFF NEUMANN DRA ULRIKE ; WACHENDORFF NEUMANN ULRIKE DR ; WACHENDORFF NEUMANN ULRIKE DR ; URURIKE BAHENDORFUUNOIMAN ; ULRIKE WACHENDORFF NEUMANN ; TOOMASU SHIENKE ; TOOMASU BURECHYUNAIDAA ; THOMAS SCHENKE ; THOMAS BRETSCHNEIDER ; ROBERUTO AARU SHIYUMITSUTO ; ROBERT R SCHMIDT ; REINER FISCHER ; RAINAA FUITSUSHIYAA ; LUERSSEN KLAUS ; KURISUTOFU ERUDEREN ; KURASU RIYURUSEN ; KRUGER BERND WIELAND ; STEFAN BOHM ; SHIYUTEFUAN BEEMU ; WILHELM STENDEL ; KRUEGER BERND WIELAN ; BERTRAM HEINZ JUERGEN ; BERND WIELAND KRUGER ; ANDREAS KREBS ; ANDOREASU KUREPUSU ; WACHENDORFF NEUMANN ULRIKE ; STENDEL WILHELM ; SCHENKE THOMAS ; SANTEL HANS JOACHIM ; LURSSSEN KLAUS ; KRUEGER BERND WIELAND ; KREBS ANDREAS ; FISCHER REINER ; ERDELEN CHRISTOPH ; BRETSCHNEIDER THOMAS ; BOEHM STEFAN ; BERTRAM HEINZ JURGEN ; KLAUS LURSSSEN ; HEINZ JURGEN B ; HANSUUYOAHIMU ZANTERU ; HANS JOACHIM SANTEL ; HAINTSUUYURUGEN BERUTORAMU ; CHRISTOPH ERDELEN ; BIRUHERUMU SHIYUTENDERU ; BERUNTOOBIRANTO KURIYUGAA

Inventor(s): BERTRAM HEINZ JUERGEN DR 3450 HOLZMINDEN DE ; BRETSCHNEIDER THOMAS DR 5200 SIEGBURG DE ; BOEHM STEFAN DR 5090 LEVERKUSEN DE ; FISCHER REINER DR 4019 MONHEIM DE ; ERDELEN CHRISTOPH DR 5653 LEICHLINGEN DE ; KREBS ANDREAS DR 5068 ODENTHAL DE ; WACHENDORFF NEUMANN ULRIKE DR 4019 MONHEIM DE ; SCHMIDT ROBERT R DR 5060 BERGISCH GLADBACH DE ; SCHENKE THOMAS DR 5060 BERGISCH GLADBACH DE ; SANTEL HANS JOACHIM DR 5090 LEVERKUSEN DE ; KRUEGER BERND

WIELAND DR 5060 BERGISCHE GLADBACH DE ; STENDEL WILHELM DR 5600 WUPPERTAL DE ;
WACHENDORFF NEUMANN ULRIKE DR W 4019 MONHEIM DE ; STENDEL WILHELM DR W 5600 WUPPERTAL 1
DE ; SCHMIDT ROBERT R DR W 5060 BERGISCHE GLADBACH 2 DE ; SCHENKE THOMAS DR W 5060
BERGISCHE GLADBACH 2 DE ; SANTEL HANS JOACHIM DR W 5090 LEVERKUSEN 1 DE ; LUERSSEN KLAUS DR
W 5060 BERGISCHE GLADBACH 2 DE ; KRUEGER BERND WIELAND DR W 5060 BERGISCHE GLADBACH ;
KREBS ANDREAS DR W 5068 ODENTHAL HOLZ DE ; FISCHER REINER DR W 4019 MONHEIM 2 DE ; ERDELEN
CHRISTOPH DR W 5653 LEICHLINGEN 3 DE ; BOEHM STEFAN DR W 5090 LEVERKUSEN 1 DE ; BERTRAM
HEINZ JUERGEN DR W 3450 HOLZMINDEN DE ; BRETSCHNEIDER THOMAS DR W 5200 SIEGBURG DE ; DR
ANDREAS KREBS ; DR BERND WIELAND KRUEGER ; DR CHRISTOPH ERDELEN ; DR HANS JOAQUIM SANTEL
; DR HEINZ JUERGEN BERTRAM ; DR KLAUS LUERSSEN ; DR REINER FISCHER ; DR ROBERT R SCHMIDT ;
DR STEFAN BOEHM ; DR THOMAS BRETSCHNEIDER ; DR THOMAS SCHENKE ; DR WILHELM STENDEL ; DR
ULRIKE WACHENDORFF NEUMANN

Designated states: BE CH DE ES FR GB GR IT LI NL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI9200983 A	19921117	LSPB	+	published / reissued	
BRPI9200983 A	19950214	LSSES	+EE	REQUEST FOR EXAMINATION	
BRPI9200983 A	19990921	LSGT	+FF	DECISION: INTENTION TO GRANT	
BRPI9200983 A	20000308	LSGT	+FG9A	PATENT OR CERTIFICATE OF ADDITION GRANTED	
BRPI9200983 A	20130625	LSLE	-B21A	EXPIRY ACC. ART. 78, ITEM I OF IPL- EXPIRY OF THE TERM OF PROTECTION	TEXT : PATENTE EXTINTA EM 20/03/2012
DE4109208 A1	19920924	LSPB	+	published / reissued	
DE4109208 A1	19940310	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
DE59208415 D1	19980528	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59208415 D1	20030116	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : BAYER CROPSCIENCE AG, 40789 MONHEIM, DE
DE59208415 D1	20100121	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0508126 A1	19921014	LSPB	+	published / reissued	
EP0508126 A1	19930317	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19930113
EP0508126 A1	19950705	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19950523
EP0508126 A1	19970515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0508126 A1	19970716	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2101764 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
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EP0508126 A1	20000331	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20000331 YEAR OF FEE PAYMENT : 9

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EP0508126 A1	20010930	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : BAYER A.G. EFFECTIVE DATE : 20010331
EP0508126 A1	20011001	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20011001
EP0508126 A1	20011203	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20011001
EP0508126 A1	20071015	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : BAYER AG REF LEGAL EVENT CODE : PFA OLDPARTY : BAYER AG# #51368 LEVERKUSEN (DE) -TRANSFER TO- BAYER AG# #51368 LEVERKUSEN (DE)
EP0508126 A1	20080430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20080228 YEAR OF FEE PAYMENT : 17
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EP0508126 A1	20091225	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20091130
EP0508126 A1	20100129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090331

EP0508126 A1	20100129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090331
EP0508126 A1	20100129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20091001
EP0508126 A1	20100430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090310
EP0508126 A1	20100430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20091123
EP0508126 A1	20100527	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20090311
EP0508126 A1	20100730	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090311
EP0508126 A1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090310
EP0508126 B1	19970502	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0508126 B1	20120310	PEXP		Calculated Patent Term Expiry	
ES2101764 T3	19970716	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2101764 T3	19970716	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 508126 COUNTRY OF REF DOCUMENT : ES
ES2101764 T3	20120310	PEXP		Calculated Patent Term Expiry	
GR3023621 T3	19970829	LSGT	+	granted / extensions (spc, cpc, pte)	
GR3023621 T3	20170530	PEXP		Calculated Patent Term Expiry	
JP3100223 B2	20001016	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3100223 B2	20070704	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 7
JP3100223 B2	20070807	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 8
JP3100223 B2	20070817	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 8
JP3100223 B2	20080731	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 8
JP3100223 B2	20080805	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS	YEAR OF FEE PAYMENT : 9

				RENEWAL DATE OF DATABASE)	
JP3100223 B2	20090730	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 9
JP3100223 B2	20090804	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 10
JP3100223 B2	20100803	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 11
JP3100223 B2	20110728	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 11
JP3100223 B2	20110802	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 12
JP3100223 B2	20120318	LSLE	-EXPY	CANCELLATION BECAUSE OF COMPLETION OF TERM	
JP3100223 B2	20120606	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 12
JP3100223 B2	20120318	PEXP		Calculated Patent Term Expiry	
JP5117240 A2	19930514	LSPB	+	published / reissued	
KR100212941 B1	19990802	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100212941 B1	19970314	LSES	A201	REQUEST FOR EXAMINATION	
KR100212941 B1	19981130	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR100212941 B1	19990225	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR100212941 B1	19990512	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR100212941 B1	20080508	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20080508 YEAR OF FEE PAYMENT : 10
KR100212941 B1	20090513	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR100212941 B1	20140802	PEXP		Calculated Patent Term Expiry	
KR19920018054 A	19921021	LSPB	+	published / reissued	
MX9201103 A1	19921221	LSPB	+	published / reissued	
TW200466 B	19930221	LSGT	+	granted / extensions (spc, cpc, pte)	
TW200466 B	20120222	PEXP		Calculated Patent Term Expiry	
US5332720 A	19940726	LSGT	+	granted / extensions (spc, cpc, pte)	
US5332720 A	19940714	LSGT	PAT1	Patented Case	
US5332720 A	19940714	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5332720 A	19971204	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5332720 A	20011212	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5332720 A	20051215	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5332720 A	20121216	PEXP		Calculated Patent Term Expiry	
US5358924 A	19941025	LSGT	+	granted / extensions (spc, cpc, pte)	

US5358924 A	19930405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BAYER AG, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KRUGER, BERND- WIELAND; FISCHER, REINER; BERTRAM, HEINZ-JURGEN; AND OTHERS; REEL/FRAME:006536/0541; SIGNING DATES FROM 19930226 TO 19930320	
US5358924 A	19941012	LSGT	PAT1	Patented Case		
US5358924 A	19941012	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE	
US5358924 A	19980306	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US5358924 A	20020314	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US5358924 A	20060412	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12	
US5358924 A	20121231	PEXP		Calculated Patent Term Expiry		
US5474974 A	19951212	LSGT	+	granted / extensions (spc, cpc, pte)		
US5474974 A	19980309	LSGT	PAT1	Patented Case		
US5474974 A	19980309	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE	
US5474974 A	19990511	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US5474974 A	20030519	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US5474974 A	20070525	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12	
US5474974 A	20140428	PEXP		Calculated Patent Term Expiry		
US5661110 A	19970826	LSGT	+	granted / extensions (spc, cpc, pte)		
US5661110 A	20010117	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US5661110 A	20050111	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US5661110 A	20090826	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES		
US5661110 A	20090921	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362		
US5661110 A	20090921	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362	
US5661110 A	20091013	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20090826	
US5661110 A	20150607	PEXP		Calculated Patent Term Expiry		
US5739389 A	19980414	LSGT	+	granted / extensions (spc, cpc, pte)		
US5739389 A	19991116	LSRE	CC	CERTIFICATE OF CORRECTION		
US5739389 A	20010918	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US5739389 A	20050914	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US5739389 A	20100414	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES		
US5739389 A	20100510	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362		
US5739389 A	20100510	LSLE	-STCH	INFORMATION ON	TEXT : PATENT EXPIRED DUE TO	

				STATUS: PATENT DISCONTINUATION	NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5739389 A	20100601	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20100414
US5739389 A	20161230	PEXP		Calculated Patent Term Expiry	
US5780394 A	19980714	LSGT	+	granted / extensions (spc, cpc, pte)	
US5780394 A	19970123	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NCR CORPORATION, OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MATSKO, MICHAEL J.; REEL/FRAME:008403/0673 EFFECTIVE DATE : 19970120
US5780394 A	20011212	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5780394 A	20051215	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5780394 A	20100714	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5780394 A	20100809	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5780394 A	20100809	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5780394 A	20100831	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20100714
US5780394 A	20170123	PEXP		Calculated Patent Term Expiry	
US6221810 BA	20010424	LSGT	+	granted / extensions (spc, cpc, pte)	
US6221810 BA	20040917	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6221810 BA	20090424	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6221810 BA	20090525	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6221810 BA	20090525	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6221810 BA	20090616	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20090424
US6221810 BA	20180331	PEXP		Calculated Patent Term Expiry	

Title: AUTOMATED **TERRARIUM**

Abstract: Automated **terrariums** and methods of using the **terrariums** are disclosed. The automated **terrarium** comprises a housing having a base and a lid, wherein the lid is supported by at least two support pillars. The **terrarium** also comprises at least two transparent side panels supported by the at least two support pillars and positioned between the base and the lid, an irrigation system within the base, a lighting system within the lid, and a control unit. The control unit is adapted to monitor growth of the plant and adjust the irrigation system, **heating** system, airflow system, and/or lighting system.

Classifications:

International (IPC 8-9): A01G13/04 A01G27/00 A01G9/02 A01G9/12

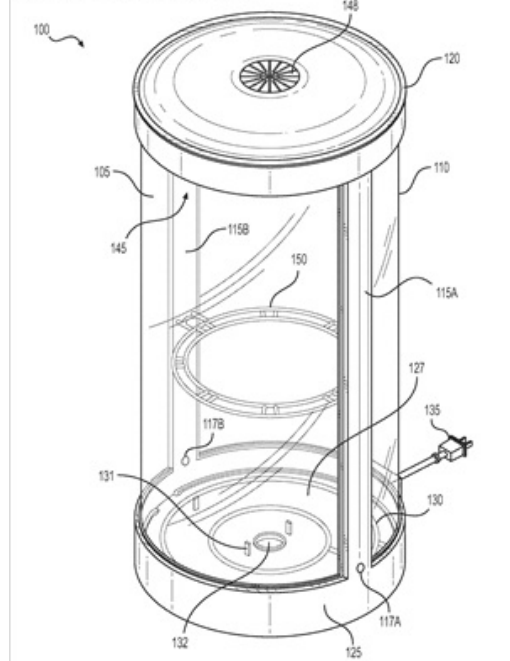
A01G9/16 A01G9/20 A01G9/22 A01G9/24 (Advanced/Invention)

CPC: A01G9/20 A01G9/02 H04M1/0202 A01G9/24 A01G9/247

A01G27/003 A01G9/22 H04M1/72533 Y02A40/254 Y02A40/256

Y02A40/258 Y02A40/268 Y02A40/27 A01G9/12 A01G9/16

PatBase - US2018288948_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2018288948 AA	20181011	US20180938112	20180328
WO18187117 A1	20181011	WO2018US24745	20180328

Priority:

US20170482057P 20170405 US20180938112 20180328

Probable Assignee: CROTEAU JESSE JORDAN

Assignee(s): (std): CROTEAU JESSE JORDAN

Inventor(s): (std): CROTEAU JESSE JORDAN

Agent(s): REMENICK JAMES 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 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2018288948 AA	20181011	LSPB	+	published / reissued	
WO18187117 A1	20181011	LSPB	+	published / reissued	

Title: DISPOSITIVO PERFECCIONADO PARA LA IDENTIFICACION DE FAUNA SILVESTRE IMPROVED DEVICE FOR THE IDENTIFICATION OF WILDLIFE (Machine translation)

Abstract: Source: ES1068860U [ES] 1. Dispositivo perfeccionado para la identificación de fauna silvestre, esencialmente caracterizado, porque esta constituido por una banda simétrica preferentemente de tejido plástico e impermeable (1), donde se encuentran troquelados los dígitos alfanuméricos (2), que sirven para la identificación del animal, que la incorpore; asimismo, incorpora una banda de contraste (3), preferentemente de PVC, adherida mediante adhesivo y termosellado, al dorso o parte posterior de la descrita banda simétrica plástica e impermeable(1). También incorpora el dispositivo descrito un sistema de apertura-cierre (4), ubicado cerca de la mitad de la banda simétrica una vez plegada esta; este sistema de apertura-cierre esta formado por dos piezas una de ellas con un saliente metálico (5), (macho), y la otra que se engarza en el saliente de la otra pieza (6), (hembra). En la zona central de la banda, concretamente, en sus laterales incorpora una serie de cortes o incisiones (7), cuya finalidad no es otra que adaptarse esta zona descrita plástica al cuerpo del animal, evitando que sufra cuando realiza movimientos. La unión entre la banda (1) y el sistema de apertura-cierre (4), se lleva a cabo mediante la existencia de dos orificios (8), situados en la zona central de la banda, por donde la pieza macho (5), del sistema de apertura-cierre pasa uniéndose a la pieza hembra (6) mediante otro orificio simétrico existente en la banda (1). 2. Dispositivo perfeccionado para la identificación de fauna silvestre, esencialmente caracterizado, de acuerdo con la reivindicación 1, porque el sistema de apertura-cierre (4) del dispositivo, se encuentra conformado preferentemente por unas piezas de material plástico, ya sean estas remaches o crotales, o cualquier otro medio o sistema, que permita unir y cerrar el dispositivo con seguridad y reversibilidad para evitar la pérdida del mismo en función de la durabilidad deseada y del tamaño del ave o animal a marcar; así, estas piezas que configuran el sistema de apertura-cierre (4), podrían, en el caso de pequeñas aves o anfibios, sustituirse por puntos de sutura putrescibles, los cuales se ubicarían igualmente cerca de la mitad de la banda una vez plegada esta.

Machine translation: 1. Improved device for the identification of wildlife, essentially characterized, because it consists of a symmetrical band of tissue preferably waterproof plastic (1), where they are stamped alphanumeric digits (2), which serve for the identification of the animal, the incorporate, also incorporates a contrast stripe (3), preferably PVC, adhered by adhesive and sealing, the back or rear of the band described symmetrical impermeable plastic (1). The device described also incorporates an opening-closing system (4), located near the middle of the strip when folded is symmetrical, this open-close system consists of two parts one with a metallic projection (5) (male), and one that is enshrined in the projection of the other piece (6), (female). In the central area of the band, specifically, on the sides includes a series of cuts or incisions (7), whose purpose is simply to fit this area described plastic body of the animal, avoiding suffering when making moves. The junction between the band (1) and the opening-closing system (4), is carried out by the existence of two holes (8), located in the central zone of the band, where the male part (5), the opening-closing system passes by joining the female part (6) by another symmetric hole existing in the band (1). 2. Improved device for the identification of wildlife, essentially characterized, according to claim 1, because the open-close system (4) the device is preferably formed by pieces of plastic material, whether or eartags these rivets, or any other means or system, that allows bond and close the device safely and reversibility to avoid the loss of it as a function of the desired durability and the size of the bird or animal to make, well, these parts that make up the opening system -closure (4), could, in the case of small bird or amphibian, substituted putrescible sutures, which also be located near the middle of the band is folded once.

Classifications:

International (IPC 8-9): A01K35/00 (Advanced/Invention);

A01K35/00 (Core/Invention)

CPC: A01K11/00 A01K35/00

European: A01K11/00 A01K35/00

Family:

Publication number	Publication date	Application number	Application date
ES1068860 UA	20081216	ES20080001982U	20080923
ES1068860 Y1	20090316	ES20080001982U	20080923

Priority:

ES20080001982U 20080923

Probable Assignee: SEGUI ROMA ALVAR

Assignee(s): (std): SEGUI ROMA ALVAR

Inventor(s): (std): SEGUI ROMA ALVAR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
ES1068860 UA	20081216	LSPB	+	published / reissued	
ES1068860 Y1	20090316	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1068860 Y1	20090316	LSGT	+FG1K	UTILITY MODEL GRANTED	
ES1068860 Y1	20141007	LSLE	-FD1K	UTILITY MODEL LAPSED	EFFECTIVE DATE : 20141007
ES1068860 Y1	20180923	PEXP		Calculated Patent Term Expiry	

Title: COLLAPSIBLE **TERRARIUM**

Abstract: A collapsible **terrarium** to be used for maintaining a controlled environment around potted plants and similar objects includes a flexible fluid-impermeable enclosure which has a bottom portion and a top portion, and a support structure which supports the top portion on and upwardly of the bottom portion to bound a compartment therewith. The support structure is collapsible and with it also the enclosure. The enclosure has an access opening through which potted plants can be introduced into and withdrawn from the compartment bounded by the enclosure. The opening is fluid-tightly closeable and, when closed, no fluid interchange takes place between the compartment and the exterior of the enclosure. An aperture, preferably with a one-way valve in it, is provided in the top portion of the enclosure and flowable media, such as herbicides, insecticides or similar agents can be introduced therethrough into the compartment to act on the plants accommodated therein.

Classifications:

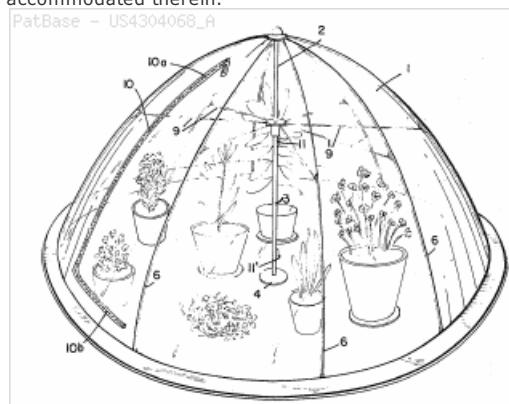
International (IPC 8-9): A01G13/04 (Advanced/Invention);
A01G13/04 (Core/Invention)

International (IPC 1-7): A01G9/02

CPC: A01G13/043 Y10S135/905

European: A01G13/04B

US: 135/117 135/120.1 135/135 135/905 135/98 47/17 47/29.1 47/32.1
47/69 D11/143 D11/145

**Family:**

Publication number	Publication date	Application number	Application date
US4304068 A	19811208	US19790027166	19790404

Priority:

US19780955358 19781027 US19790027166 19790404

Probable Assignee: DIAMOND MIND INC

Assignee(s): (std): DIAMOND MIND INC

Assignee(s): THE DIAMOND MIND INC

Inventor(s): (std): BEDER SAMUEL L

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US4304068 A	19811208	LSGT	+	granted / extensions (spc, cpc, pte)	
US4304068 A	19820319	LSGT	PAT1	Patented Case	
US4304068 A	19820319	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

Title: ENCLOSURE FORMING ADAPTORS AND RELATED APPARATUS

Abstract: The invention includes a variety of adaptors for forming enclosures and other apparatus from sectioned integral containers. Each adaptor described includes suitable means such as a channel structure for attaching the adaptor to the sectioned open end of an integral container. The adaptor itself may form an enclosure with the container, or, in other embodiments, join the attached, sectioned container portion with another container section or other form of closure. The described adaptors are particularly designed for use with cylindrical plastic beverage container assemblies including an integral, dome bottom, cylindrically shaped container and container base piece adapted to receive and support the dome end of the container. A number of plant irrigation devices are described formed by sectioned portions of conventional integral containers and special adaptors of the invention.

Classifications:

International (IPC 8-9): A01G29/00 B29C65/50 B65D8/04

B65D81/36 (Advanced/Invention);

A01G29/00 B29C65/50 B65D8/04 B65D81/00 (Core/Invention)

International (IPC 1-7): B65D8/16 B65D8/22

CPC: Y10S47/902 Y10S220/14 B29C65/5071 B29C65/5085 B29C66/1142

A01G29/00 B65D11/02 B65D81/36 B29C66/54 B29C66/542 B29C66/543

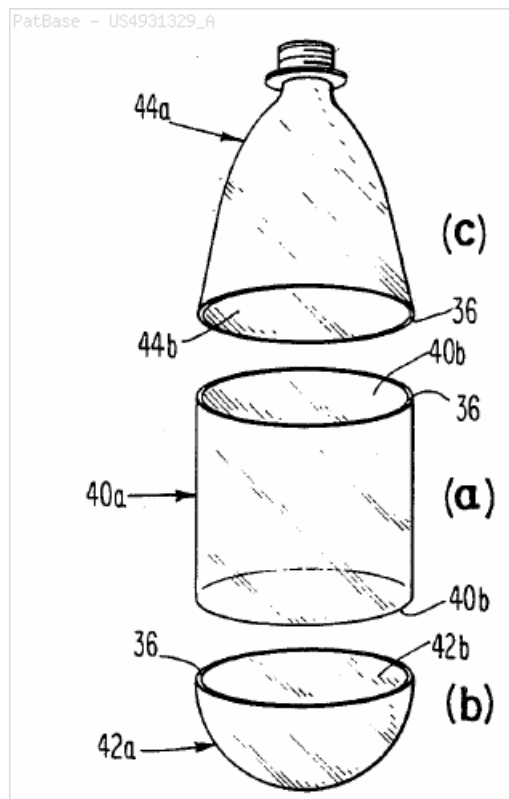
B29C66/5452 Y10T428/1397 B29C66/1122

European: A01G29/00 B29C65/50E B29C66/1142 B29C66/5221

B29C66/54 B65D11/02 B65D81/36

US: 215/317 220/306 220/4.03 220/4.26 220/4A 220/685 220/DIG.14

428/36.92 47/69 47/902

**Family:**

Publication number	Publication date	Application number	Application date
US4931329 A	19900605	US19860838702	19860312

Priority:

US19830536663 19830928 US19860838702 19860312

Probable Assignee:

SUN ROBERT J

Assignee(s): (std):

SUN ROBERT J

Inventor(s): (std):

SUN ROBERT J

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US4931329 A	19900605	LSGT	+	granted / extensions (spc, cpc, pte)	
US4931329 A	19900410	LSGT	PAT1	Patented Case	
US4931329 A	19940605	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4931329 A	19940816	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19940608
US4931329 A	20180130	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4931329 A	20180130	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362

