



New connection on: : 07-07-2018 : 03:51:49 - Last disconnection on: : 06-07-2018 : 23:54:31

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 18] ..fi epodoc



Database: EPODOC

[EPODOC: SS 18] A01K67/033/c/low

Results in EPODOC 4.093

[SS 19] * and ((mesh or poro+ or pore) 2d size)

Results in EPODOC 4

[SS 20] ..li



1/4 © EPODOC / EPO

PN - [GB2290936](#) A 19960117
PNFP - GB2290936 B 19980311
PR - GB19940013485 19940705
AP - GB19940013485 19940705
DT - *; Rep
CT - || STSE (A B)
[WO9310060](#) A1 19930527 [
] (ORIGINAL ORGANICS LTD [GB])
[WO9419296](#) A1 19940901 [
] (NATTRASS NIGEL [AU])
CCI - [A01K67/0332](#) ; [C05F17/0009](#)
CCA - [Y02W30/43](#) ; [Y02P20/145](#)
PA - (A B)
LOMAS GARRY CLIFFORD [GB]
TI - (A B)
Worm screen
AB - (A)
Apparatus is disclosed which

FIG 1



enables worms to be separated from residual compost 5, the apparatus comprising a screen 8 of a **mesh size** suitable to allow worms to pass, but blocking the passage of compost 6/7. The screen is placed into a conventional wormery at a stage shown in Fig 1. The active layer 6 moves up the wormery (Fig 2) as a result of progressive introduction of organic matter, the worms move with this layer. The screen is used to remove the active layer and worms, leaving behind the layer residual compost 5 (Fig 3). The contents of the screen is replaced when the compost 5 has been removed.

<IMAGE>

2/4 © EPODOC / EPO

PN - [FR2514996](#) A1 19830429

PNFP - FR2514996 B1 19850823

PR - FR19810019909 19811023

AP - FR19810019909 19811023

DT - *; Rep

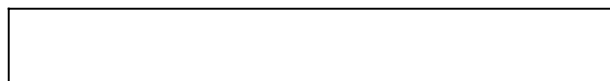
CT - || STSE (A1)
[FR2475358](#) A1 19810814 [];
[FR2387596](#) A1 19781117 [];
[FR2454267](#) A1 19801114 [];
[FR2451160](#) A1 19801010 []

CCI - [A01K67/0331](#)

PA - (A1 B1)
 LEQUELLEC ALAIN [FR]

TI - (A1)
 Edible snail-raising unit - has mesh base permitting access to longitudinal food, and water-supply channels

AB - (A1)
 The snail raising frame comprises a set of mesh walls (12,14,16,18,22) and a horizontal mesh base (26). A pair of parallel channels (32,34) are mounted below the base and



supplied with food and water.
 The **size of mesh** of the base is large enough to permit the heads of the snails to pass through for access to the channels. The food channel supports an endless belt conveyor which moves horizontally to supply a constant flow of fresh food. An inclined base plate (42) extends below the mesh base to direct the waste from the snails into a low-level gutter (44).

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- PN - [FR2387596](#) A1 19781117
- PNFP - FR2387596 B3 19800215
- PR - FR19770012008 19770421
- AP - FR19770012008 19770421
- DT - *; Rep
- CCI - [A01K67/0331](#)
- PA - (A1 B3)
SANDERS [FR]
- TI - (A1)
Battery installation for raising snails - has electric fences around removable plastics grids on which snails are raised to prevent escape
- AB - (A1)
The installation has three floors (1) comprising grids of plastic material which can be removed. The **size** of the **mesh** is chosen in dependence on the size of the snails. Inclined rigid plates (3) are fitted below the upper grids to collect waste which is taken away by gutters and a drain pipe (5). The grids are equipped with feeders, laying troughs filled with earth, shelter zones and water. The borders (10) to each grid are equipped with electric fences to prevent escape of the snails. The fences comprise horizontal conductors, the alternate conductors being connected to positive and negative terminals of a power source.

4/4 © EPODOC / EPO

- PN - [DE3939608](#) A1 19910606
- PR - DE19893939608 19891130
- AP - DE19893939608 19891130
- DT - **
- CT - [DD239934](#) A1 []; [FR2506563](#) A1
[]
- CCI - [A01K67/033](#) ; [A01K63/04](#)
- PA - SCHILLAK LOTHAR [DE]



AB - In a device and process for breeding small and very small aquatic creatures use is made of a container (17) filled or fillable with water in which a breeding tank (24) can be fitted. The bottom of the breeding tank is closed off by a filter (4) or filter-like device of suitable **mesh size**. Thereby the culture chamber (1) inside the breeding tank (24) is in fluid connection with the outer water chamber ("cultureless" chamber 23) in the water container (17). To create the best possible breeding results with the minimum maintenance, at least one inlet (11) and one outlet (10) water line open into the "cultureless" chamber (23) of the water container. The inlet line (11) is arranged so that filtered water may be pumped in directly beneath the filter (4) of the culture chamber (1). The invention makes it possible to allow small and very small aquatic creatures to grow in the best possible conditions for longer periods, e.g. for the lifetime of a generation, without the need for interfering and/or time-consuming operations like changing the water.

[SS 20] 18 and (tank or container)

Results in EPODOC **185**

[SS 21] 19 and water

Results in EPODOC **3**

[SS 22] 20 and insect

Results in EPODOC **43**

[SS 23] 20 and insect+

Results in EPODOC 62

[SS 24] * and water

Results in EPODOC 7

[SS 25] ..li



1/7 © EPODOC / EPO

PN - [US2018168133](#) A1 20180621
PR - US201715847596 20171219; US201662436348P 20161219
AP - US201715847596 20171219
DT - *; Rep
CCI - [A01K63/065](#) ; [A01K67/033](#)
CUI - [A01G31/02](#) ; [A01K61/85](#)
PA - TAYLOR GARY DE ANDRE [US]
TI - SELF-HARVESTING SUSTAINING FEED SYSTEM FOR AQUAPONICS
AB - A self-harvesting sustaining feed system includes a **tank** for housing fish, a frame located above the fish **tank**, one or more plant floats which float atop **water** within shelves held by the frame, and an **insect** tray for housing larvae. Temporary temperature changes in the **insect** tray cause the larvae within the **insect** tray to migrate out and fall into the fish **tank** below.

2/7 © EPODOC / EPO

PN - [GB2515406](#) A 20141224
PNFP - GB2515406 B 20171115
PR - CA20112760919 20111206; WO2012CA01119 20121206
AP - GB20140011626 20121206
DT - **
CT - || STSE (A)
[CA2623601](#) A1 20080605 [] (HOLLAND KRISTIAN J K [CA], et al);
[WO2010115258](#) A1 20101014 [] (HOLLAND KRISTIAN J K [CA], et al);
[US4571880](#) A 19860225 [] (HAYWARD JOHN J P [ZA]);
[US6708443](#) B2 20040323 [] (HALL DONALD R [US]);
[US5921018](#) A 19990713 [] (HIROSE HIRONOBU [JP], et al);
[US7448160](#) B2 20081111 [] (ROBERTS DONALD R [US]);
[US2005274061](#) A1 20051215 [] (ZHU MANTIAN [US])
- || STSE (B)
[US2005274061](#) A1 20051215 [] (ZHU MANTIAN [US]);
[CA2623601](#) A1 20080605 [] (HOLLAND KRISTIAN J K [CA], et al);
[WO2010115258](#) A1 20101014 [] (HOLLAND KRISTIAN J K [CA], et al);
[US4571880](#) A 19860225 [] (HAYWARD JOHN J P [ZA]);
[US6708443](#) B2 20040323 [] (HALL DONALD R [US]);

[US5921018](#) A 19990713 [] (HIROSE HIRONOBU [JP], et al);
[US7448160](#) B2 20081111 [] (ROBERTS DONALD R [US])

CCI - [A01K67/033](#) ; [A01M1/02](#) ; [A01M1/106](#)

CNOI - (A B)
[A01M1/02](#) ; [A01M1/106](#) ; [A01M5/02](#)

CCA - [Y02A50/371](#)

PA - (A B)
MAXTECH MOSQUITO CONTROL INC [CA]

TI - (A B)
Apparatus and method for reducing populations of mosquitoes and the like

AB - (A)
The apparatus has a drainable basin (2) for retaining a liquid, typically **water**, preferably augmented by **insect** attractant(s). The basin has a drain (6) at a lower portion thereof, with a valve (7) to open or close the drain. The drain leads to a filter (8) which removes eggs and larvae from the liquid when the basin is drained by opening the valve. The liquid passing through the filter is collected in a reservoir (3), from which the filtered liquid may be pumped back up to refill the basin. The apparatus preferably may use a variety of standard containers, the **container** (4) then acting as the reservoir. Preferably, one or more **insect** attractant means are employed, including various chemical attractants and light, as well as natural attractants. Vents (30) from the reservoir release attractants concentrated in the reservoir, into the area of the basin. Two or more units may have their reservoirs connected to each other, or may share a common reservoir. In operation, the basin is filled with liquid, preferably with one or more attractants being employed, and the liquid remains in the basin for a period of time for eggs and larvae to accumulate, but not long enough to mature. The basin is then drained through the filter into the reservoir. The basin is then refilled from the reservoir and the cycle begins again. Optionally, the apparatus may be automated, and the method may be carried out automatically with only periodic maintenance.

3/7 © EPODOC / EPO

PN - [AU2012350104](#) A1 20140724

PNFP - AU2012350104B B2 20180510

PR - CA20112760919 20111206; WO2012CA01119 20121206

AP - AU20120350104 20121206

DT - I

CT - || STSE (B2)
[CA2623601](#) A1 20080605 [] (HOLLAND KRISTIAN J K [CA], et al);
[WO2010115258](#) A1 20101014 [] (HOLLAND KRISTIAN J K [CA], et al);
[US4571880](#) A 19860225 [] (HAYWARD JOHN J P [ZA]);
[US6708443](#) B2 20040323 [] (HALL DONALD R [US]);
[US5921018](#) A 19990713 [] (HIROSE HIRONOBU [JP], et al);
[US2005274061](#) A1 20051215 [] (ZHU MANTIAN [US])

CCI - [A01K67/033](#) ; [A01M1/02](#) ; [A01M1/106](#)

CCA - [Y02A50/371](#)

PA - (A1 B2)

MAXTECH MOSQUITO CONTROL INC

- TI - (A1 B2)
Apparatus and method for reducing populations of mosquitoes and the like
- AB - (A1 B2)
The apparatus has a drainable basin (2) for retaining a liquid, typically **water**, preferably augmented by **insect** attractant(s). The basin has a drain (6) at a lower portion thereof, with a valve (7) to open or close the drain. The drain leads to a filter (8) which removes eggs and larvae from the liquid when the basin is drained by opening the valve. The liquid passing through the filter is collected in a reservoir (3), from which the filtered liquid may be pumped back up to refill the basin. The apparatus preferably may use a variety of standard containers, the **container** (4) then acting as the reservoir. Preferably, one or more **insect** attractant means are employed, including various chemical attractants and light, as well as natural attractants. Vents (30) from the reservoir release attractants concentrated in the reservoir, into the area of the basin. Two or more units may have their reservoirs connected to each other, or may share a common reservoir. In operation, the basin is filled with liquid, preferably with one or more attractants being employed, and the liquid remains in the basin for a period of time for eggs and larvae to accumulate, but not long enough to mature. The basin is then drained through the filter into the reservoir. The basin is then refilled from the reservoir and the cycle begins again. Optionally, the apparatus may be automated, and the method may be carried out automatically with only periodic maintenance.

4/7 © EPODOC / EPO

- PN - [WO2013082700](#) A1 20130613
- PR - CA20112760919 20111206
- AP - WO2012CA01119 20121206
- DT - **
- CT - [CA] ISR (A1)
[CA2623601](#) A1 20080605 [X] (HOLLAND KRISTIAN J K [CA], et al);
[WO2010115258](#) A1 20101014 [X] (HOLLAND KRISTIAN J K [CA], et al);
[US4571880](#) A 19860225 [Y] (HAYWARD JOHN J P [ZA]);
[US6708443](#) B2 20040323 [Y] (HALL DONALD R [US]);
[US5921018](#) A 19990713 [Y] (HIROSE HIRONOBU [JP], et al);
[US2005274061](#) A1 20051215 [A] (ZHU MANTIAN [US]);
[US7448160](#) B2 20081111 [A] (ROBERTS DONALD R [US])
- CCI - [A01K67/033](#) ; [A01M1/02](#) ; [A01M1/106](#)
- CCA - [Y02A50/371](#)
- PA - MAXTECH MOSQUITO CONTROL INC [CA]
- TI - APPARATUS AND METHOD FOR REDUCING POPULATIONS OF MOSQUITOES AND THE LIKE
- AB - The apparatus has a drainable basin (2) for retaining a liquid, typically **water**, preferably augmented by **insect** attractant(s). The basin has a drain (6) at a lower portion thereof, with a valve (7) to open or close the drain. The drain leads to a filter (8) which removes eggs and larvae from the liquid when the basin is drained by opening the valve. The liquid passing through the filter is collected in a reservoir (3), from which the filtered liquid may be pumped back up to refill the basin. The apparatus preferably may use a variety of standard containers, the **container** (4) then acting as the reservoir.

Preferably, one or more **insect** attractant means are employed, including various chemical attractants and light, as well as natural attractants. Vents (30) from the reservoir release attractants concentrated in the reservoir, into the area of the basin. Two or more units may have their reservoirs connected to each other, or may share a common reservoir. In operation, the basin is filled with liquid, preferably with one or more attractants being employed, and the liquid remains in the basin for a period of time for eggs and larvae to accumulate, but not long enough to mature. The basin is then drained through the filter into the reservoir. The basin is then refilled from the reservoir and the cycle begins again. Optionally, the apparatus may be automated, and the method may be carried out automatically with only periodic maintenance.

5/7 © EPODOC / EPO

PN - [WO2012140283](#) A1 20121018

PR - ES20110030402U 20110413

AP - WO2011ES70256 20110414

DT - *; Rep

CT - |ES| ISR (A1)

[GB2211717](#) A 19890712

[A] (NATURAL PEST CONTROL LIMITED [GB]);

[US4785764](#) A 19881122

[A] (MUELLER HANS-RUDOLF [CH]);

[ES2211692T](#) T3 20040716

[A] (FISCHER ARTUR WERKE GMBH, et al);

[ES2354281T](#) T3 20110311

[A] (BIOTOP [FR]);

[US2008047491](#) A1 20080228

[A] (VADIS GORDON J [US]);

[US4368690](#) A 19830118

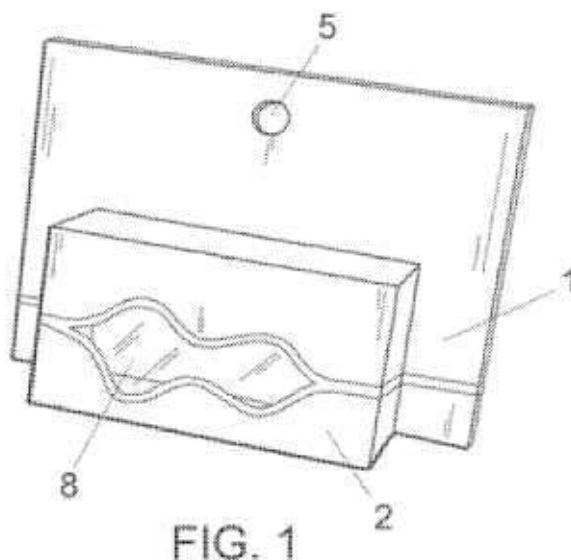
[A] (TENZER WALTER [AT])

CCI - [A01K67/033](#)

PA - RIBES ESTEVAN CONSUELO [ES]

TI - **CONTAINER FOR THE GROWTH OF BENEFICIAL INSECTS**

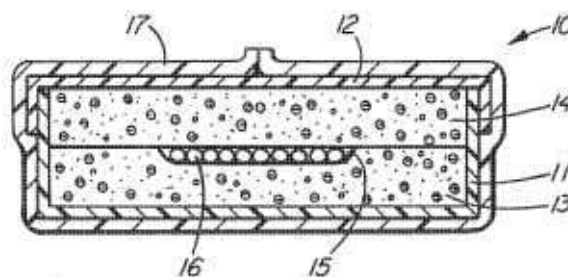
AB - The invention relates to a **container** for the growth of beneficial **insects**, of the type that is intended to be hung from trees and similar and that has a blister-type basic configuration. The **container** includes a front capsule which, together with the rear wall of the **container**, forms an enclosure for the **insects**. According to the invention, both the front wall of the **container**,



which defines the capsule, and the rear wall, are made from a biodegradable, **water**-soluble and non-toxic plastic material. The **container** also includes attachment means for hanging same from a tree or similar, and is provided with a small window that can be used to view the interior and that limits the greenhouse effect. The exit hole for the **insects** is preferably provided in the rear wall of the **container**.

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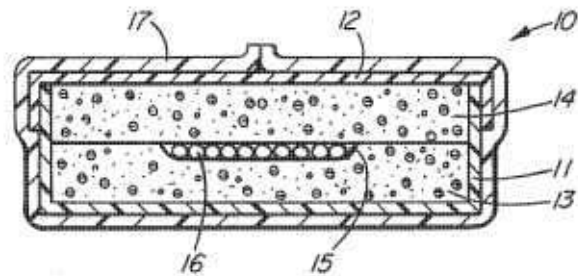
- PN - [US4417545](#) A 19831129
- PR - CA19810386306 19810921
- AP - US19820347769 19820211
- DT - *
- CT - [US3194211](#) A []; [US3499420](#) A []; [US4192254](#) A []; [US4334498](#) A []
- CCI - [A01K67/033](#) ; [A01N63/00](#)
- CLC - [A01N63/00](#) , [A01N2300/00](#) , INV
- PA - MEMORIAL UNIVERSITY OF NEWFOUN [CA]
- TI - Package for the transportation of nematodes
- AB - A novel method and package for both storing and shipping of nematodes and/or nematode eggs in their dormant state for the biological control of **insects** is provided herein. The package comprises: (1) a **water**-impervious **container** having a removable cover; (2) at least one pair of discrete, formed, substrates, each comprising an open celled, light weight foam having wicking action, the substrates substantially filling, and disposed in the **container** and below the cover, the foam being capable of retaining **water** within the foam, and when soaked in distilled **water**, of



providing a distilled **water** having a pH of about 5 to about 7, the pair of substrates being disposed in face-to-face relationship; and at least one storage cavity at the interface between the pair of substrates for the placement therein of nematodes and/or nematode eggs in their dormant state, the wicking action of the foam serving to maintain the nematodes and/or nematode eggs moist. This enables the safe storage and transport of the nematodes for biological and agricultural use.

7/7 © EPODOC / EPO

- PN - [CA1165694](#) A 19840417
 PR - CA19810386306 19810921
 AP - CA19810386306 19810921
 DT - **
 CCI - [A01N63/00](#) ; [A01K67/033](#)
 CLC - [A01N63/00](#) , [A01N2300/00](#) , INV
 PA - MEMORIAL UNIVERSITY OF NEWFOUN
 TI - PACKAGE FOR THE TRANSPORTATION OF NEMATODES
 AB - A novel method and package for both storing and shipping of nematodes and/or nematode eggs and/or infective stage nematodes still enclosed within a host cadaver for the biological control of **insects** is provided herein. The package comprises: (1) a **water**-impervious **container** having a removable cover; (2) a substrate comprising an open celled, light-weight foam having wicking action substantially filling and disposed in each of the **container** and the cover, the two substrates being disposed in face-to-face relationship; and (3) at least one storage cavity at the



interface between the two
substrates for the placement of
nematodes and/or nematode
eggs and/or infective stage
nematodes still enclosed within
a host cadaver.

[SS 25]