

1) Family number: 51687171 (US2012304718A)

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Title: METHOD FOR ENHANCING SOIL GROWTH USING BIO-CHAR

Abstract: A method is described for rendering char from a biomass fractionator apparatus (BMF char) suitable for addition to soil in high concentrations, the method relying on multiple processes comprising removing detrimental hydrocarbons from BMF char, removing adsorbed gases from BMF char, introducing microorganisms to the BMF char, and adjusting soil pH.

Classifications:

International (IPC 8-9): A01B49/06 A01C1/06 A01C21/00 A01G1/00

A01G17/02 A01G22/00 A01N25/08 A01N61/00 A1N25/08 A23K10/18

A23K20/10 A23K20/163 A23K20/20 A23K40/00 A23K40/30

A23K50/10 A23K50/20 A23K50/30 A23K50/75 A23K50/80

A23K50/90 A61K33/44 A61K47/02 A61K9/16 A61K9/50 A61L9/012

A61L9/014 B01J2/00 B01J2/28 B01J20/12 B01J20/20 B01J20/24

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C05B17/00 C05C5/00 C05C9/00 C05D9/00 C05D9/02 C05F

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C07C7/148 C09K101/00 C09K17/00 C09K17/02 C09K17/04 C09K17/16 C09K17/32 C09K17/48 C09K17/50 C10B53/00

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C12M1/00 C12N1/14 C12N1/16 C12N1/20 C12N11/12 C12N11/14 C12P5/02 (Advanced/Invention);

A01G13/02 A23K20/142 A23K20/158 A23K20/174 A23K20/189 A23K20/20 A61K9/00 C02F101/32 C02F103/36

C05B17/02 C05C1/00 C05C11/00 C05C3/00 C05C5/04 C05D1/00 C05D3/00 C05D9/00 C05D9/02 C09K101/00 C09K17/04

C09K17/40 (Advanced/Non-invention);

C05F11/00 C05F11/08 (Core/Invention);

C05F (Subclass/Invention)

CPC: A01N61/00 C01P2006/11 C01P2006/14 A01C21/002 C05G3/007 C05G3/0088 C12N1/14 C12N1/16 C12N1/20

A01C21/005 A61K9/5036 A61K9/167 C05B17/00 C09K17/00 A61L9/012 A61L9/014 C05F17/0045 A23K20/10 C05G3/0058

B01J20/20 B01J20/3028 B01J20/3042 B01J20/3007 B01J20/24 B01J20/12 B01J20/3078 B01J20/28019 C05G3/0064

C05G3/0076 C05F17/009 C05F9/04 A23K30/00 A23K50/90 A61L2/18 A61L2/22 C10B57/005 C05F17/0036 A01G17/02

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B01J2220/485 B01J2220/4887 B01J2220/4893 Y02E50/343 Y02W30/47 Y02P60/877 C05C5/00 C05G3/04 C12N11/14

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A23K40/00 A23K40/30 A23K50/20 A23K50/75 A61K9/0056 A61K9/1682 A61K47/02 Y02P20/145 Y02W30/43 C02F1/283

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C10L5/447 C10L2200/0469 C10L2290/02 C10L2290/06 E21B41/0064 G06Q30/018 Y02E50/10 Y02E50/30 Y02P30/20

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Y02E50/18 Y02P20/129

European: C05F11/02 C05F3/00

US: 1/1 210/175 210/180 210/251 210/660 210/670 210/694 423/445.00R 423/445R 47/58.1SC 71/1 71/11 71/23 71/24

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Publication number	Publication date	Application number	Application date
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Inventor(s): JARAND MARK ; MARK L JARAND ; SILLS RONALD

Agent(s): SPRUSON AND FERGUSON; AJ PARK; BALDWIN INTELLECTUAL PROPERTY; SMART AND BIGGAR; PERRY AND CURRIER; STAINTHORPE VANESSA JULIET; ZACCO SWEDEN AB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; CHAN TANG AND KWOK; SHEPPARD MULLIN RICHTER AND HAMPTON; DAVID E; SHEPPARD MULLIN RICHTER AND HAMPTON LLP; DAVID; WILMER CUTLER PICKERING HALE AND DORR LLP; AVYNO LAW PC; HEISEY DAVID E; KANE JOHN F ET AL; HAMILTON JENNIFER H ET AL; HAMILTON JENNIFER H

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 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

2) Family number: 15328267 (US5661184A)

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Title: PSYCHIATRIC AGENTS

Abstract: The present invention provides a method of treating substance dependence disorders using an agonist which acts at negatively coupled cAMP-linked metabotropic glutamate receptors.

Classifications:

International (IPC 8-9): A61K31/00 A61K31/04 A61K31/045 A61K31/185 A61K31/19 A61K31/195 A61K31/196 A61K31/198 A61K31/215 A61K31/415 A61K31/4188 A61K31/46 A61K31/465 A61K31/48 A61K31/485 A61K31/55 A61K31/85 A61K45/00 A61P25/00 A61P25/18 A61P25/20 A61P25/30 A61P43/00 C07C13/38 C07C219/24 C07C227/18 C07C227/30 C07C229/46 C07C229/50 C07C61/12 C07C61/13 C07C62/38 C07C69/74 C07C69/757 C07D233/72 C07D233/78 C07D235/02 C07F7/10 (Advanced/Invention); A61K31/045 A61K31/465 A61K31/485 A61K31/55 A61K45/00 A61P43/00 C07C229/46 (Advanced/Non-invention); A61K31/00 A61K31/04 A61K31/045 A61K31/185 A61K31/21 A61K31/415 A61K31/46 A61K31/465 A61K31/48 A61K31/485 A61K31/55 A61K45/00 A61P25/00 A61P43/00 C07C219/00 C07C227/00 C07C229/00 C07C62/00 C07C69/00 C07D233/00 C07D235/00 (Core/Invention); A61K C07C C07D (Subclass/Invention)

International (IPC 1-7): A61K31/045 A61K31/13 A61K31/135 A61K31/16 A61K31/19 A61K31/195 A61K31/21 A61K31/215 A61K31/24 A61K31/415 A61K31/465 A61K31/485 A61K31/55 A61K31/85 A61K45/00 A61K9/64 A61P25/00 A61P25/22 A61P25/30 A61P25/34 C07C219/24 C07C227/14 C07C227/16 C07C227/18 C07C227/22 C07C227/26 C07C227/30 C07C229/00 C07C229/46 C07C229/48 C07C229/50 C07C233/57 C07C61/12 C07C69/12 C07C69/74 C07D233/72 C07D233/78 C07D235/02 C07F7/10

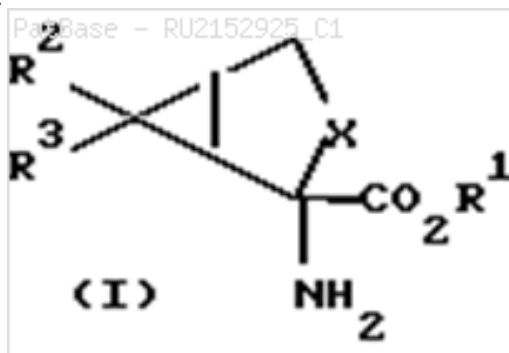
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European: A61K31/00 A61K31/198 A61K31/215 C07C229/50 C07C62/38 C07C69/757 C07D235/02 M07C102/18

US: 424/422 424/451 424/456 424/464 514/510 514/561 514/574 514/810 514/811 514/812 514/813 514/820 556/440 560/119 562/501

Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19940289957	19940812	US19940337349	19941110	US19950496642	19950629
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Probable Assignee: ELI LILLY AND CO LTD

Assignee(s): (std): HELTON DAVID REED ; ELI LILLY AND CO ; ELI LILLY AND CO LTD ; LILLY CO ELI ; MONN JAMES ALLEN ; SCHOEPP DARRYLE DARWIN ; TIZZANO JOSEPH PATRICK

Assignee(s): ELI LILLY AND CO CORPORACION DEL ESTADO DE INDIANA ; ELI LILLY AND CO INDIANAPOLIS ; LILLY AND CO ELI ; IIRAI RIRII ANDO CO ; ELI LILLY AND CO INDIANAPOLIS IND US ; ELI LILLY AND COMPANY ; ELI LILLY AND COMPANY LILLY CORPORATE CENTER ; KALLMAN MARY JEANNE ; ELI LILLY AND CO LILLY CORPORATE CENTER ; EHLL LILLI EHND KOMPANI

Inventor(s): (std): SCHOEPP DARRYLE D ; SCHOEPP DARRYLE DARWIN ; TIZZANO JOSEPH P ; TIZZANO JOSEPH PATRICK ; TIZZANO PATRICK ; SCHOEPP DARWIN ; ROJAA RUISU ROBII ; MONN ALLEN ; KALLMAN JEANNE ; JOZEFU PATORITSUKU TEIZANO ; JEIMUZU AREN MON ; HELTON REED ; HELTON DAVID R ; DEIBITSUDO RIIDO HERUTON ; DARIRU DAAUIN SHETSUPU ; MONN J A ; MONN JAMES A ; MONN JAMES ALLEN ; REED HELTON DAVID ; ROBIEY R L ; ROBIEY ROGER L ; ROBIEY ROGER LEWIS ; HELTON D R ; HELTON DAVID REED ; TIZZANO DZHOZEF PATRIK ; SHOPP DEHRRIL DARVIN ; ROBI RODZHER LEVIS ; MONN DZHEJMS ALLEN ; KHELTON DEHVID RID ; KALLMAN MARY JEANNE ; ROJIYAA RUISU ROBII ; ROGER LEWIS ROBIEY ; RL ROBIEY ; MARY JEANNE KALLMAN ; JOSEPH PATRICK TIZZANO ; JOSEPH P TIZZANO ; JIYOZEFU PATORITSUKU TEIZANO ; JIEIMUZU AREN MON ; JAMES ALLEN MONN ; JA MONN ; DR HELTON ; DAVID REED HELTON ; DAVID R HELTON ; DARRYLE DARWIN SCHOEPP ; DARRYLE D SCHOEPP ; DARIRU DAAUIN SHIETSUPU

Inventor(s): R L ROBIEY ; J A MONN ; D R HELTON ; MONN JAMES ALLEN INDIANAPOLIS INDIANA 46268 US ; HELTON DAVID R GREENFIELD INDIANA 46140 US ; David ReedMonn ; etc. ; Helton ; James AllenRobey ; Roger Lewis ; TIZZANO JOSEPH P NEW PALESTINE INDIANA 46163 US ; SCHOEPP DARRYLE D INDIANAPOLIS INDIANA 46256 US

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; GOWLING LAFLEUR HENDERSON LLP; VILLASECA; JOSE LLOREDA CAMACHO; SANFORD TCOLB AND CO; LUZZATTO AND LUZZATTO; AOYAMA TAMOTSU; TAMURA YASUO

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

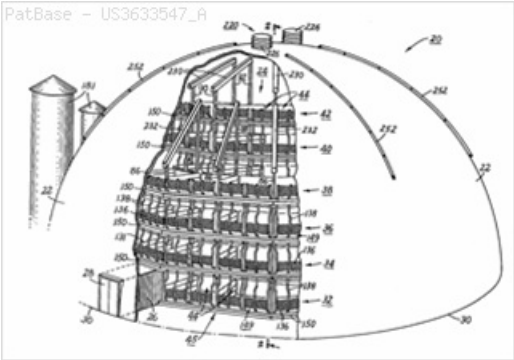
3) Family number: 40968872 (US3633547A)

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Title: SYSTEM FOR FEEDING AND MAINTAINING ANIMALS IN A CONFINED ENVIRONMENT

Abstract: A system for maintaining and feeding animals in a confined environment wherein a structure is provided having a plurality of tiers with each tier being partitioned into a plurality of animal confinement pans. The floors of each pen are of an open grillwork to allow a controlled flow of ambient ventilation air to flow upwardly through the pen and into the pen in the tiers above, and a portion of each pen is set aside to collect the animals'excrement. The collected animal excrement is flushed by a flowing water system into a collecting trough and returned to a central collecting trench where it is processed by promoting a bacteria and fungi action to convert the animal waste into a useable protein supplement which is added to the animals'food supply. The supply, i.e., a slurry mixture of bean and/or corn meal and the protein supplement derived from the reprocessed animal waste is pumped by a central distributing pump and distributed into troughs disposed adjacent each of the animal confinement pens where it is made continuously available to the animals. In addition, a dome-shaped covering is provided over the tiered structure including a ventilation system which automatically maintains proper temperature and humidity levels within the enclosure at all times and provides for proper airflow within the enclosure so that each pen on each tier is properly ventilated at all times.

Classifications:
International (IPC 8-9): A01K1/00 A01K1/02 A01K5/02 A23J1/00 A23K1/00 A23K1/10 A23L1/015 B01F3/04 C12M1/06 (Advanced/Invention); A01K1/00 A01K1/02 A01K5/00 A23J1/00 A23K1/00 A23K1/10 A23L1/015 B01F3/04 C12M1/04 (Core/Invention)
International (IPC 1-7): A01K1/00 A01K5/02 A01K7/02 A23J1/00 A23J1/16 A23K1/00 A23K1/10 B01F13/02 B01F17/16 B01F3/04 B01F7/32 C12B1/00 E04B1/345 E04H5/08 F24F13/06 F24F3/12 F24F5/00 F24F7/00 F24F7/06
CPC: A01K1/0041 A01K1/0227 B01F3/04539 A23J1/002 A23K10/12 A23K10/26 A23L5/28 B01F2003/04702 C12M27/04 C12M27/06 Y10S435/804 A01K5/02 B01F2003/04546 B01F2003/04673
European: A01K1/00C A01K1/02C A01K5/02 A23J1/00B2 A23K1/00C1 A23K1/10C A23L1/015M B01F3/04C5B C12M27/04 C12M27/06 L01F3/04C5B50 L01F3/04C5Y10 L01F3/04C5Y14C
US: 119/1.6 119/16 119/28 119/436 119/444 119/447 119/450 426/0.2 426/2 426/54 426/56 426/59 426/635 435/804 52/81.1



Family:

Publication number	Publication date	Application number	Application date
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AU197021746 A1	19720504	AU19700021746	19701030
AU197137017 A1	19730621	AU19710037017	19711216
AU197350915 A1	19740711	AU19730050915	19730109
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US3633547 A	19720111	US19690879194	19691124
US3802390 A	19740409	US19720216382	19720110
US3846558 A	19741105	US19700100587	19701222
US3846559 A	19741105	US19710203249	19711130

Priority:

US19690879194 19691124 US19700100587 19701222 US19710170974 19710811
US19710203249 19711130 AU19710037017 19711216 US19720216382 19720110

Probable Assignee: INT FARM SYSTEMS

Assignee(s): (std): INT FARM SYSTEMS ; INTERNAT FARM SYSTEMS INC ; INT FARM SYSTEM INC ; INTERNAT FARM SYSTEMS ; INT FARM SYSTEMS INC US

Assignee(s): ROGER H STEVENS ; INTERNATIONAL FARM SYSTEMS INC 415 WEST 120 STREET NEW YORK NEW YORK E U A ; INTERNATIONAL FARM SYSTEMS INC NEW YORK N Y V ST A ; INTERNATIONAL FARM SYSTEMS INC US ; STEVENS ROGER H ; INT FARM SYSTEMS INC ; INTERNATIONAL FARM SYSTEMS INC 415 WEST 120 STREET NEW YORK N Y E U A ; INTERNATIONAL FARM SYSTEMS INC ; BLAIR BRUCE A ; BRUCE A BLAIR ; FARM SYSTEMS INT ; INT FARM SYST INC US

Inventor(s): (std): STEVENS ROGER H ; STEVENS R H ; STEVENS R ; ROGER H STEVENS ; HARMON BUD G ; HARMON B G ; BLAIR B A ; BLAIR B ; BRUCE A BLAIR ; BLAIR BRUCE A

Inventor(s): BLAIR B US ; BG HARMON ; BA BLAIR ; B A BLAIR ; A BLAIR BRUCE ; H STEVENS ROGER ; BUD G HARMON ; RH STEVENS ; R H STEVENS ; INT FARM SYSTEMS INC ; ROGER H STEVENS AND BUD G HARMON ; STEVENS R US

1) Family number: 57134508 (WO14118788A3)

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Title: EARLY WARNING SYSTEM AND/OR OPTICAL MONITORING OF LIVESTOCK INCLUDING POULTRY

Abstract: A system and method for early prediction of and/or early detection of conditions affecting a livestock population and/or to monitor a state of livestock may include tracking behavior of previously identified sentinel individuals from a sample of the livestock in which some individuals cannot be directly distinguished. Optionally the tracking may be by means of an optical sensor. In some embodiments an unidentified sentinel may be tracked and/or an unidentified sentinel may be re-identified and/or sentinels may be marked. In some embodiments a behavior may be monitored in the population and a condition of the population may be detected based on a pattern of changes in the behavior. Optionally, the behavior may be monitored in individuals and/or a sample and/or a virtual flock. Optionally the method may be used for early detection of an outbreak of disease, for improved breeding and/or for development of treatments and/or vaccines.

Classifications:

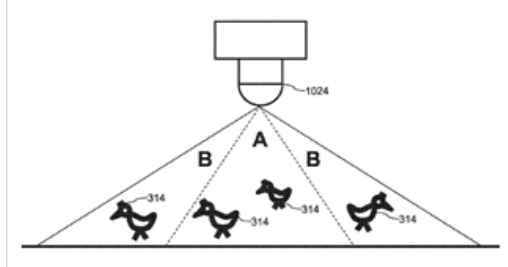
International (IPC 8-9): A01K11/00 A61B5/1455 (Advanced/Invention)

CPC: A61B5/1112 A61B2503/40 A01K29/005 A61B5/0059

G16H40/67

PatBase - WO14118788_A2

FIG. 10



Family:

Publication number	Publication date	Application number	Application date
WO14118788 A2	20140807	WO2014IL50122	20140204
WO14118788 A3	20141002	WO2014IL50122	20140204

Priority:

US20130760242P 20130204 US20130770344P 20130228

Probable Assignee: FAUNUS LTD

Assignee(s): (std): FAUNUS LTD

Inventor(s): (std): ELAZARI VOLCANI RON

Agent(s): EHRlich GAL ET AL

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

2) Family number: 53273560 (US2013071337A)

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Title: INTEROMONE COMPOSITIONS AND THEIR USE TO MODIFY BEHAVIOR IN DIFFERENT VERTEBRATE SPECIES

Abstract: A composition comprising an interomone is described for the modification of undesirable or harmful stress-related behaviors or other behaviors or physiology in a variety of vertebrate species, as well as methods of using the compositions in vertebrates from a species different than the species in which the interomone is a naturally occurring pheromone.

Classifications:

International (IPC 8-9): A01N A01N35/00 A01N45/00 A01N63/02

A1N45/00 A23K A23K1/18 A23K50/00 A23K50/40 A61K A61K31/00

A61K31/08 A61K31/11 A61K31/115 A61K31/565 A61K31/568

A61K35/56 A61K38/16 A61K45/06 A61K47/10 A61K8/63 A61K9/00

A61K9/06 A61K9/12 A61K9/72 A61P25/00

A61P43/00 (Advanced/Invention);

A61K47/06 (Advanced/Non-invention);

A01N A23K A61K A61P (Subclass/Invention)

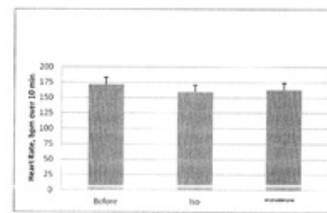
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A61K31/565 A61K47/06

US: 1/1 424/43 424/45 514/170 514/171 514/177 514/703

FIG. 1

**Family:**

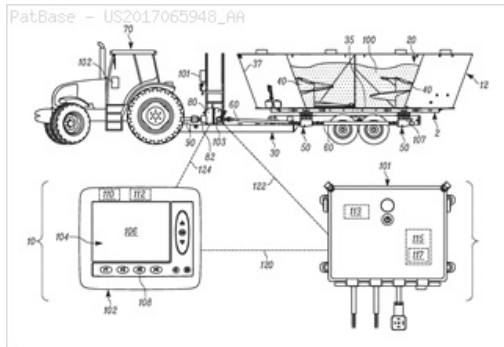
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CA2849279 AA	20140319	CA20122849279	20120920
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CA2849297 AA	20140319	CA20122849297	20120920
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EP2757902 A4	20150318	EP20120832953	20120920
EP2757902 B1	20180718	EP20120832953	20120920
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Priority:

US20110536673P 20110920	EP20120832953 20120920	EP20120834463 20120920
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WO2012US56373 20120920	US20130840250 20130315	US20150704729 20150505

Probable Assignee: SERGEANT S PET CARE PRODUCTS INC**Assignee(s):** (std): MCGLONE JOHN ; MCGLONE JOHN J ; MCGLONE LARRY ; NOUVAL LARRY ; SERGEANT S PET CARE PRODUCTS INC ; SERGEANTS PET CARE PRODUCTS INC ; NOUVEL LARRY ; SERGEANTS PET CARE PROD INC**Assignee(s):** SERGEANT S PET CARE PRODUCTS INC OMAHA ; ANTARES CAPITAL LP ; SERGEANT'S PET CARE PRODUCTS INC**Inventor(s):** (std): JOHN J MCGLONE ; JOHN MCGLONE ; LARRY NOUVEL ; MC ; MCGLONE JOHN J ; MCGLONE LARRY ; NO ; NOU ; NOUVEL LARRY ; MCGLONE JOHN ; LEVIN MARK**Inventor(s):** NOUVEL LARRY PLANO ; MCGLONE JOHN J SLATON ; MCGLONE JOHN SLATON**Agent(s):** PHILLIPS ORMONDE FITZPATRICK; RIDOUT AND MAYBEE LLP; TEIPEL STEPHAN; EITAN MEHULAL AND SADOT; PERRIGO ISRAEL PHARMACEUTICALS LTD; POLSINELLI PC; PORTERFIELD ANDREA ET AL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**3) Family number: 65127744** (US2017065948A)

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Title: AGRICULTURAL FEED MIXER WITH TORQUE SENSING AUTOMATIC TRANSMISSION**Abstract:** Described herein is an exemplary feed mixer apparatus that includes a feed mixer apparatus that includes, a mixing chamber for receiving feed, and having a mixing element situated therein for mixing the feed, a transmission having a plurality of gears and connected with a mixing element, a drive system having a plurality of drive system components, including the transmission, a torque sensor interconnected with at least one drive system component, a control unit having a display and a plurality of user inputs, wherein the control unit is in at least indirect communication with the transmission and the torque sensor, and wherein the control unit receives a plurality of outputs from one or more of the transmission and torque sensor, and based at least in part on the plurality of outputs, provides an output command to effectuate a gear change in the transmission.**Classifications:****International (IPC 8-9):** A01K5/00 A01K5/02 B01F13/00 B01F15/00 B01F7/24 B60K25/02 F16H61/02 G05B15/02 G05B19/042 G05D17/00 G05D17/02 G05D9/12 (Advanced/Invention)**CPC:** B01F15/00201 F16H61/0204 B60K25/02 A01K5/004 A01K5/02 B01F15/00538 G05B19/042 G05D17/02 B60K2025/024 B01F2015/00629 B01F2215/0008 G05B2219/49255 B01F7/24 B01F15/00311 G05D17/00 B01F2015/00623 G05B2219/49197 G05B2219/41358 G05D9/12 B01F15/00188 B01F15/00155 B01F13/004 G05B15/02 A01K5/001 B01F15/0048 F16H57/025 F16H61/0206 G01L3/108 G01L3/1478 B60Y2200/22 F16H61/0213 B60K17/28**US:** 700/265**Family:**

Publication number	Publication date	Application number	Application date
US2017065948 AA	20170309	US20160257361	20160906
US2017067556 AA	20170309	US20160257371	20160906
US2017068259 AA	20170309	US20160257446	20160906

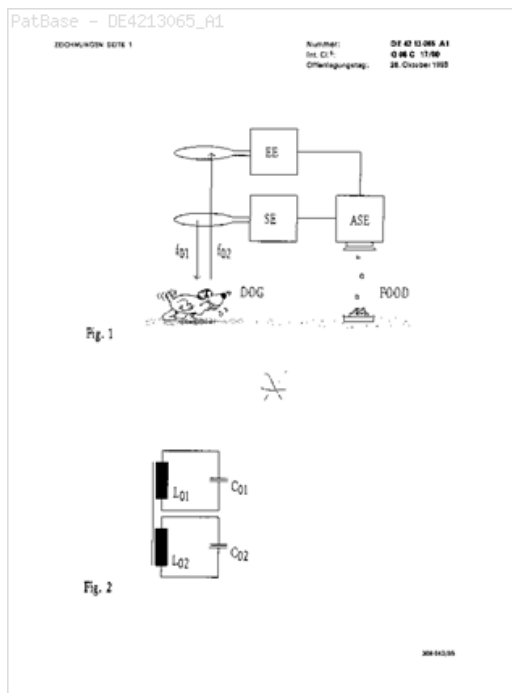
Priority:

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US20160257446 20160906		

Probable Assignee: PATZ CORP**Assignee(s):** (std): PATZ CORP**Inventor(s):** (std): BEDORD BRADLEY ; PATZ DARRELL ; PELLMAN DAVID C ; SAILER ANTHONY H**4) Family number: 10828846** (DE4213065A1)

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Title: Self-identifying physical or physiological telemetering system - includes implanted double-resonant transponder switched to receive strong power supply signal and transmit weaker measurement signal in turn**Abstract:** The telemetering system identifies untethered animals are identified unambiguously and e.g. their body temps. and pulse rates transmitted over distances of centimetres to hundreds of metres from the transponder implanted into each animal for wireless transmission to a stationary processor. The transponder incorporates a tapped coil wound on a ferromagnetic core in a reactance circuit which resonates alternately at two frequencies for reception of HF energy from a generator and for transmission of the HF modulated signal. USE - In animal-feeding on demand with automatic medication, process control in foodstuff and pharmaceutical industries, and monitoring of ovulation for animal-breeding purposes.**Classifications:****International (IPC 8-9):** A01K11/00 G08C17/04 (Advanced/Invention); A01K11/00 G08C17/00 (Core/Invention)**International (IPC 1-7):** A01K11/00 A61B5/07 G08C17/00 H04B1/59**CPC:** A01K11/006 G08C17/04**European:** A01K11/00C G08C17/04



Family:

Publication number	Publication date	Application number	Application date
DE4213065 A1	19931028	DE19924213065	19920421
DE4213065 C2	19940210	DE19924213065	19920421

Priority:

DE19924213065 19920421

Probable Assignee: KOSTER NORBERT H L DR ING

Assignee(s): (std): KOSTER NORBERT H L DR ING

Assignee(s): KOSTER NORBERT H L DR ING 52457 ALDENHOVEN DE

Inventor(s): (std): KOSTER NORBERT H L DR ING

Inventor(s): KOSTER NORBERT H L DR ING 52457 ALDENHOVEN DE ; KOSTER NORBERT H L

1) Family number: 49900081 (US2013130604A)

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Title: ANIMAL STUNNING

Abstract: Described are animal stunning apparatus and methods for inducing rapid unconsciousness and insensibility. The apparatus includes a stunning station in which a live subject animal is located in a confined position and an applicator contacts an application point on the live subject animal's head immediately overlying a frontal portion of the animal's brain and couples microwave radiation to the head. A microwave generator generates microwave energy of a suitable power level and frequency, and a waveguide directs the microwave radiation to the applicator. A switch discontinues the application of microwave radiation effecting heating of the frontal portion of the brain after a period of time sufficient to have raised the temperature of the frontal portion of the brain of the subject animal to thereby induce the unconsciousness and insensibility. The period is sufficient only to rapidly induce insensibility, and is insufficient for the insensibility induced to be irreversible, and insufficient to cause significant heating of deeper brain tissues and including the brain stem.

Classifications:

International (IPC 8-9): A22B A22B3/00 A22B3/06 A22B3/12

A22C18/00 A61B18/18 A61M36/00 A61M36/02

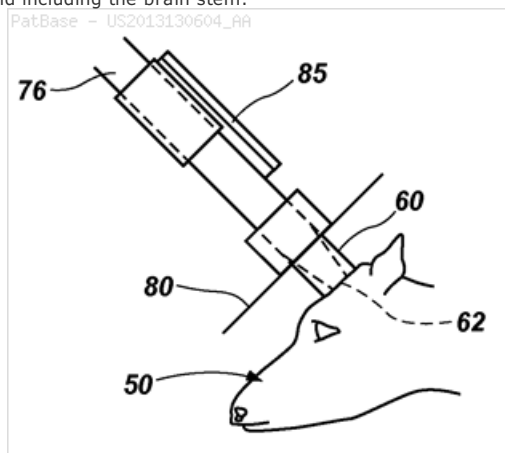
H03H7/40 (Advanced/Invention);

A22B (Subclass/Invention)

CPC: A22B3/00 A22B3/06 A22B3/12

European: A22B3/00

US: 452/54 452/57 452/58



Family:

Publication number	Publication date	Application number	Application date
AR094298 AA	20150722	AR2013P105053	20131227
AU2012261581 AA	20130110	AU20120261581	20121207
AU2012261581 BB	20130418	AU20120261581	20121207
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BR112012028284 A2	20161101	BR20121128284	20110509
BR112015009930 A2	20170711	BR20151109930	20131104
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CA2889900 AA	20150422	CA20132889900	20131104
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DK2566338 T3	20151102	DK20110777037T	20110509
EP2566338 A1	20130313	EP20110777037	20110509
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IL222889 A0	20121231	IL20110222889	20110509
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IN03915DN2015 A	20151002	IN2015DN03915	20150507
IN09855DN2012 A	20140829	IN2012DN09855	20121114
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US2013130604 AA	20130523	US20120668030	20121102
US2013324023 AA	20131205	US20130958257	20130802
US2014120814 AA	20140501	US20130071486	20131104
US2015296811 AA	20151022	US20130440327	20131104
US8506366 BB	20130813	US20120668030	20121102
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US9516886 BB	20161213	US20130440327	20131104
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Priority:

AU20100901954 20100507 EP20110777037 20110509 WO2011AU00527 20110509
US20120668030 20121102 AU20120261581 20121207 US20130958257 20130802
US20130071486 20131104 US20130440327 20131104 WO2013AU01271 20131104

Probable Assignee: WAGSTAFF FOOD SERVICES PTY LTD

Assignee(s): (std): DAVID WILLIAM MCLEAN ; GAILER DANIEL JOHN ; JAMES HENRY RALPH ; WAGSTAFF FOOD SERVICES PTY LTD ; RALPH JAMES HENRY ; OWEN JEFFREY STEWART ; MCLEAN DAVID WILLIAM ; SMALL ALISON HOLDHUS

Assignee(s): JEFFREY STEWART OWEN ; WAGSTAFF FOOD SERVICES PTY LTD MALVERN ; ALISON HOLDHUS SMALL ; DANIEL JOHN GAILER

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Inventor(s): DANIEL JOHN GAILER ; SMALL ALISON HOLDHUS CANNON HILL ; OWEN JEFFREY STEWART CANNON HILL ; RALPH JAMES HENRY MALVERN ; GAILER DANIEL JOHN WOLLONGONG ; MCLEAN DAVID WILLIAM WOLLONGONG ; JEFFREY STEWART OWEN ; ALISON HOLDHUS SMALL

Agent(s): PATENT ATTORNEY SERVICES; FINCHAM ERIC; STOFFREGEN HANS HERBERT DIPL PHYS DRERNAT; STOFFREGEN HANS HERBERT; CARVAJAL Y ISABEL; YENNY HALIM; WEBB AND CO; TRASKBRITT; TRASKBRITT PC; GRANT MICHAEL JOHN

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

2) Family number: 65429320 (WO18008026A1)

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Title: MEANS AND METHODS FOR FREE DOME RANGE

Abstract: The present invention discloses a free dome range (FDR) where dairy animals have a free access to their stall to concurrently eat and to be milked. The FDR comprises a plurality of stalls; at least one of said stalls is characterized by a front side and rear opposite side into which a dairy animal is at least temporarily accommodated, head fronting said front side; a plurality of main living areas (MLAs); at least one of said MLAs is in connection with at least one of said stalls by means a plurality of gates. The FDR further comprising a substantially horizontally positioned elevated rail system comprising a plurality of elevated rails, and a plurality of mobile milking units (MMUs), each of said MMUs is configured to transport on said elevated rail to a dairy animal at its stall, and milk the animal while it is eating.

Classifications:

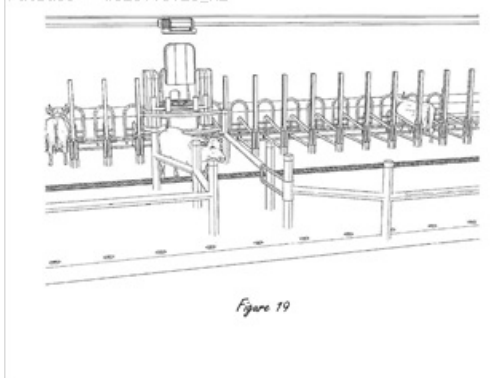
International (IPC 8-9): A01J5/017 A01K1/12 A01K5/00

G08B (Advanced/Invention)

CPC: A01J5/017 A01K1/12 A01K1/00 A01K1/011 A01J5/0175

A01J9/00 A01K1/126

PatBase - WO18008026_A1

**Family:**

Publication number	Publication date	Application number	Application date
AU2017292050 AA	20190214	AU20170292050	20170705
IL246617 A0	20170330	IL20160246617	20160705
WO18008026 A1	20180111	WO2017IL50753	20170705

Priority:

IL20160246617 20160705 WO2017IL50753 20170705

Probable Assignee: DAIRYIONICS LTD

Assignee(s): (std): DAIRYIONICS LTD

Assignee(s): BRAYER EYAL

Inventor(s): (std): BRAYER EYAL

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; BRESSLER EYAL 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

3) Family number: 61808350 (US2018235470A)

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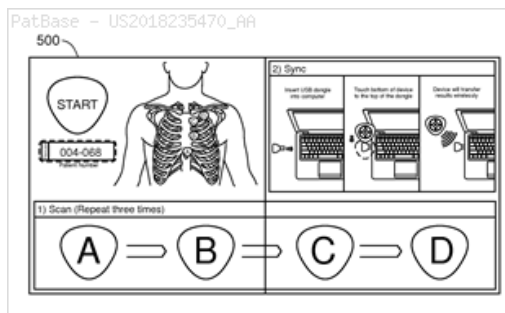
Title: DEVICES, SYSTEMS AND METHODS FOR THE DETECTION OF ANATOMICAL OR PHYSIOLOGICAL CHARACTERISTICS

Abstract: Embodiments relate to non-invasive medical devices, systems and methods for the detection of anatomical or physiological conditions. In an embodiment, a handheld coronary artery disease (CAD) detection device is used in a non-invasive manner to determine whether an internal coronary artery blockage, calcification or diffuse disease is present. In an

embodiment, a data transfer system comprises a hand-held CAD detection device or other data collection device, and a networked or local computer system for storing and processing the recorded data. Supplemental devices such as a data portal device, hub, or dongle can facilitate data transfer between the data collection device and networked or local computer system.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/02 A61B5/0205 A61B7/04 G16H10/65 G16H40/63 G16H50/20 (Advanced/Invention)
CPC: A61B5/0006 A61B5/0024 A61B5/02007 A61B5/02014 A61B2562/0219 A61B2562/0271 G06F19/3418 A61B5/0022 A61B5/0205 A61B5/6852 A61B5/686 A61B5/0816 A61B7/04 G16H40/63 G16H50/20 G16H10/65 A61B5/7267 A61B5/02055 A61B5/0245 A61B5/7203 A61B2560/0214 A61B2560/0228



Family:

Publication number	Publication date	Application number	Application date
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EP3185766 A4	20180228	EP20150836894	20150828
US2018235470 AA	20180823	US20150507192	20150828
WO16033521 A1	20160303	WO2015US47530	20150828
WO16033521 A9	20160506	WO2015US47530	20150828

Priority:

US20140043052P 20140828 US20150507192 20150828 WO2015US47530 20150828

Probable Assignee: AUM CARDIOVASCULAR INC

Assignee(s): (std): AUM CARDIOVASCULAR INC

Assignee(s): HUBBARD CAPITAL VENTURES LLC

Inventor(s): (std): JOHNSON MARIE ; LARSON MIKE ; PATIL PRANITA ; YAO JIXING

Agent(s): MILLER STURT KENYON; SARMELA AMY M 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

4) Family number: 57984703 (WO16051207A3)

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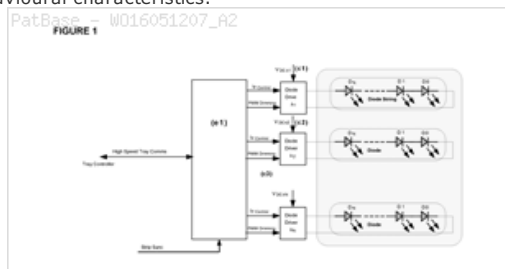
Title: CONTROL SYSTEM FOR LED LIGHTING

Abstract: The invention provides a novel LED lighting control system targeting applications in the area of plant growth and human/animal behaviour. Specifically provided is an LED lighting control system suitable for use in applications in the area of plant growth and human/animal behaviour and capable of providing independent diode current and pulse width modulated (PWM) dimming control, fully synchronised lighting changes across all LED strings, asynchronous time delayed PWM control and the delivery of illumination profiles to control growth and/or behavioural characteristics.

Classifications:

International (IPC 8-9): A01G7/04 H05B33/08 H05B37/02 (Advanced/Invention)

CPC: H05B33/0863 A01G7/045 H05B37/0245 H05B37/0281 Y02B20/42 Y02P60/149



Family:

Publication number	Publication date	Application number	Application date
GB201417525 A0	20141119	GB20140017525	20141003
GB201502936 A0	20150408	GB20150002936	20150223
GB201511122 A0	20150805	GB20150011122	20150624
GB201517529 A0	20151118	GB20150017529	20151005
WO16051207 A2	20160407	WO2015GB52900	20151005
WO16051207 A3	20160602	WO2015GB52900	20151005

Priority:

GB20140017525 20141003 GB20150002936 20150223 GB20150011122 20150624

Probable Assignee: INTELLIGENT GROWTH SOLUTIONS LTD

Assignee(s): (std): INTELLIGENT GROWTH SOLUTIONS LTD

Inventor(s): (std): AYKROYD HENRY ; SCOTT DAVID

Agent(s): HGF GLASGOW LTD

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