

1) Family number: 30736036 (US2004143278A)

© PatBase

Title: APPARATUS AND METHOD FOR UPPER AND LOWER BEAK TREATMENT

Abstract: Apparatus and methods for treating the upper and lower beaks of poultry by non-contact heating of the upper and lower beaks of the bird are disclosed. The upper and lower beak treatment may include delivery of energy to the upper and lower beak in amounts sufficient to retard the growth and/or result in erosion of portions of both the upper beak and the lower beak. The energy incident on the lower beak may be reflected from a lower beak energy director (e.g., a reflector) or it may be provided a separate energy source.

Classifications:

International (IPC 8-9): A61B18/04 A61B18/18 A61D1/00

A61D1/04 (Advanced/Invention);

A61B18/18 A61D1/00 (Advanced/Non-invention);

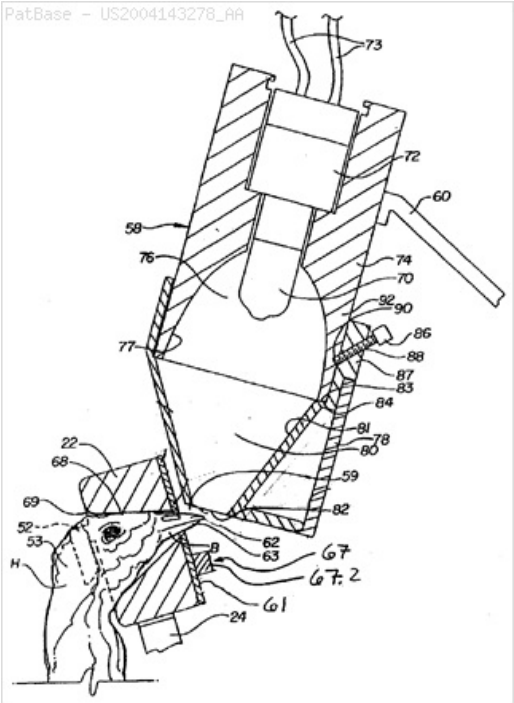
A61B18/04 A61D1/00 (Core/Invention)

International (IPC 1-7): A61B18/04 A61B18/18 A61D1/00

CPC: A61D1/005 A61B18/18 A61D3/00 A61D2003/003

European: A61D1/00B

US: 606/164



Family:

Publication number	Publication date	Application number	Application date
AT437613 E	20090815	AT20040702171T	20040114
AT533432 E	20111215	AT20040166623T	20040114
CA2512702 AA	20050707	CA20042512702	20040114
CA2512702 C	20120327	CA20042512702	20040114
CN1738578 A	20060222	CN200480002387	20040114
CN1738578 B	20100428	CN200480002387	20040114
DE602004022249 D1	20090910	DE200460022249T	20040114
DE602004035369 D1	20120209	DE200460035369T	20040114
EP1589898 A1	20051102	EP20040702171	20040114
EP1589898 B1	20090729	EP20040702171	20040114
EP2111817 A1	20091028	EP20090166623	20040114
EP2111817 B1	20111116	EP20090166623	20040114
ES2330105 T3	20091204	ES20040702171T	20040114
ES2374489 T3	20120217	ES20090166623T	20040114
IL169582 A1	20101130	IL20040169582	20040114
KR101096386 B1	20111220	KR20057013229	20050716
KR20050091090 A	20050914	KR20057013229	20040114
US2004143278 AA	20040722	US20030346981	20030117
US7232450 BB	20070619	US20030346981	20030117
WO04066864 A1	20040812	WO2004US00813	20040114

Priority:

US20030346981 20030117 EP20040702171 20040114 EP20090166623 20040114
WO2004US00813 20040114

Probable Assignee: NOVA TECH ENGINEERING INC

Assignee(s): (std): ERICKSON MATTHEW H ; GORANS MARC S ; NOVA TECH ENGINEERING INC

Assignee(s): NOVA TECH ENGINEERING INC WILLMAR

Inventor(s): (std): GORANS MARC ; ERICKSON MATTHEW ; GORANS MARC S ERICKSON MATTHEW H ; GORANS MARC S

Inventor(s): GORANS MARC S WILLMAR ; ERICKSON MATTHEW H RAYMOND

Agent(s): SMART AND BIGGAR; VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB; VOSSIUS AND PARTNER; PEARL COHEN ZEDEK LATZER BARATZ

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

2) Family number: 54263053 (US2013173163A)

PatBase

Title: METHOD OF SUBSURFACE IMAGING USING SUPERPOSITION OF SENSOR SENSITIVITIES FROM GEOPHYSICAL DATA ACQUISITION SYSTEMS

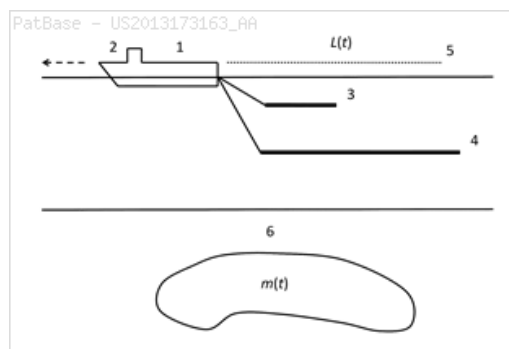
Abstract: Volume imaging of geological structures and/or man-made objects having physical property using geophysical field sources and/or sensors mounted from at least one data acquisition system. The sources may include natural field sources and/or man-made sources. The sensors may measure at least one component of the geophysical field. The subsets of the geophysical survey formed by the at least one source of geophysical data are selected, and the integrated sensitivity subdomains for selected subsets of the survey are determined by determining the volumes where the integrated sensitivity of the subset is greater than a predetermined threshold. The total sensitivity is determined as the superposition of the sensitivities from all of the integrated sensitivity subdomains. The fields measured for each combination of source and/or sensors may be volume imaged where 3D inversion/imaging is based on the total sensitivity calculated as the superposition of the sensitivities from all of the integrated sensitivity subdomains.

Classifications:

International (IPC 8-9): G01V11/00 G01V3/00 G01V3/38 G06F17/16 (Advanced/Invention)

CPC: G06F17/16 G01V11/002 G01V11/00

US: 702/2



Family:

Publication number	Publication date	Application number	Application date
US2013173163 AA	20130704	US20120730548	20121228
US9542359 BB	20170110	US20120730548	20121228

Priority:

US20110581242P 20111229 US20120730548 20121228

Probable Assignee: TECHNOIMAGING LLC

Assignee(s): (std): TECHNOIMAGING LLC ; TECHNOLMAGING LLC

Inventor(s): (std): COX LEIF H ; ZHANDOV MICHAEL S ; ZHDANOV MICHAEL S

Agent(s): WORKMAN NYDEGGER

3) Family number: 30569072 (US2004090943A)

PatBase

Title: HIGH PERFORMANCE WIRELESS NETWORKS USING DISTRIBUTED CONTROL

Abstract: A design and proof of concept of a new type of WLAN, complete with simulation and results from the simulation has been described. Each AP Node is implemented as a self-contained embedded OS unit, with all algorithms resident in its Operating system. The normal day-to-day functioning of the AP node is based entirely on resident control algorithms. Upgrades are possible through a simple secure communications interface supported by the OS kernel for each AP node. Benefits provided by a wireless network, as proposed in this invention, are that: it installs out of the box; the network is self-configuring; the network is redundant in that mesh network formalism is supported, ensuring multiple paths; load balancing is supported; there is no single point of failure; allows for decentralized execution; there is a central control; it is network application aware; there is application awareness; there is automatic channel allocation to manage and curtail RF interference, maximize non interference bandwidth and enable seamless roaming between adjoining wireless sub networks (BSS) and it supports the wireless equivalent for switching-for seamless roaming requirements.

Classifications:

International (IPC 8-9): G06F11/00 G06F15/16 H03M13/00 H03M13/19 H03M13/29 H04B7/14 H04H20/71 H04J1/10 H04J3/08 H04J3/16 H04J3/24 H04L1/00 H04L1/18 H04L12/24 H04L12/28 H04L12/43 H04L12/46 H04L12/56 H04L12/66 H04L12/715 H04L12/751 H04L12/753 H04L12/931 H04L29/06 H04L29/08 H04N21/2383 H04N21/438 H04N21/6437 H04Q7/24 H04W28/02 H04W28/06 H04W28/18 H04W4/00 H04W4/14 H04W4/90 H04W40/02 H04W40/24 H04W48/12 H04W8/00 H04W84/00 H04W84/10 H04W84/18 H04W84/22 (Advanced/Invention); H03M13/09 H04L12/28 H04L12/46 H04L12/66 H04L12/751 H04L29/06 H04W12/00 H04W16/14 H04W36/18 H04W4/00 H04W4/22 H04W40/32 H04W72/04 H04W84/02 H04W84/12 H04W84/18 H04W84/20 H04W88/04 H04W88/08 H04W88/14 H04W92/04 (Advanced/Non-invention);

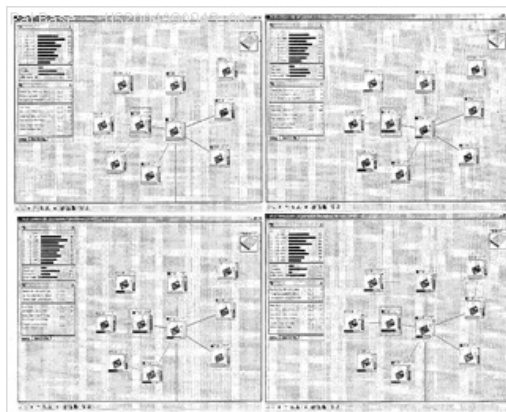
H04B7/14 H04J1/00 H04J3/08 H04J3/24 H04L12/24 H04L12/28
H04L12/427 H04L12/56 H04L12/66 H04L29/06 H04W28/16 H04W4/00
H04W84/00 H04W84/18 (Core/Invention);
H04W12/00 H04W16/00 H04W36/00 H04W4/22 H04W72/00 H04W84/02
H04W84/18 H04W88/00 (Core/Non-invention)

International (IPC 1-7): H04B7/14 H04J1/10 H04J3/08 H04J3/24
H04Q7/00 H04Q7/24

CPC: H04W28/06 H04W72/1263 H04W80/00 H04W48/08 H04W56/00
H04L29/06197 H04L41/0654 H04L41/0806 H04L41/5022 H04L41/5087
H04L41/509 H04L43/0811 H04W84/10 H04W28/18 H04W84/12
H04W88/08 H04W88/14 H04W40/32 H04L65/1006 H04L65/1069
H04L65/1073 H04L67/00 H04L65/403 G06Q10/0631 G06Q10/087
G06Q30/0601 H04W28/021 H04W28/0268 G06F8/34 G06F8/74
Y02D70/00 H04W76/50 H04W4/90 H04W40/02 H04W4/005 H04W48/12
H04L1/0083 H03M13/09 H03M13/093 H03M13/19 H03M13/2906
H03M13/2927 H03M13/6527 H04L1/0061 H04L1/0072 H04L1/1812
H04L2001/0097 H04N21/2383 H04N21/4382 H04N21/6437 H04W12/003
H04L49/70 H04W4/70 H04W28/065 H04L43/08 H04L2012/445 H04W40/22
H04L12/2858 H04L12/46 H04L12/66 H04L41/12 H04L45/02 H04L45/04
H04W8/005 H04W40/24 H04W40/246 H04W40/248 H04W84/005
H04W84/02 H04W84/20 H04W84/22 H04W92/04 H04W92/045 H04L12/4625 H04L45/48 H04L67/10 H04W80/12 H04L67/145
H04W4/14 H04W16/14 H04W84/00 H04W84/18 H04W88/04

European: A61B8/12 A61B8/48D A61N7/02C H03M13/09D H03M13/19 H03M13/29B H03M13/29B9 H03M13/65K2 H04L1/00B7E
H04L1/00B8 H04L1/18D H04L12/24E1A H04L29/06C6C H04L29/06M2H2 H04L29/06M2S1 H04L29/06M2S2 H04L41/08A1
H04L43/08C H04N21/2383 H04N21/438M H04N21/6437 H04W12/10 H04W228/18 H04W256/00 H04W272/04 H04W28/00
H04W28/18 H04W284/00 H04W36/04 H04W50/00 H04W56/00 H04W72/12D H04W84/00 H04W84/22 K61B17/00C1E1S1
K61B17/00C1T4 K61B17/00C1U K61B18/00A2E K61B19/52H14B K61M25/01C10K K61M25/01C10M K61N7/00T2 T03M13/09
T04L1/00T11 T04L12/24D3 T04L12/24S1C1 T04L12/24S6B T04L12/24S6C T04L41/06C T04L41/50B1 T04L41/50M2 T04L41/50M3
T04W12/02H T04W12/04 T04W16/14 T04W20/14 T04W20/142 T04W204/22 T04W212/00 T04W216/14 T04W228/06 T04W236/18
T04W248/08 T04W272/04 T04W274/04 T04W28/06 T04W280/00 T04W284/12 T04W284/18 T04W288/04 T04W288/08
T04W288/14 T04W36/04 T04W36/12 T04W38/00 T04W4/22 T04W40/32 T04W48/08 T04W50/065 T04W50/08 T04W52/023
T04W52/04 T04W52/08 T04W6/00 T04W76/00E T04W8/08 T04W80/00 T04W84/12 T04W84/18 T04W84/22 T04W88/04
T04W88/08 T04W88/14

US: 1/1 370/235 370/252 370/252S 370/312 370/315 370/315P 370/319 370/321 370/328 370/328P 370/328S 370/336 370/338
370/338P 370/338S 370/349 370/349S 370/352 370/352P 370/352S 370/389 370/389P 370/392 370/400 370/401 370/401S
370/408 370/442 370/445 370/458 370/458P 370/466 370/467 370/473 370/474 370/474S 370/476 455/41.2 455/41.3 455/450
455/502 455/507 600/439P 601/3P 714/52 714/800



Family:

Publication number	Publication date	Application number	Application date
US2004090943 AA	20040513	US20030434948	20030508
US2004109430 AA	20040610	US20030641917	20030815
US2005128991 AA	20050616	US20050036297	20050107
US2005232179 AA	20051020	US20050084330	20050317
US2006056442 AA	20060316	US20050266884	20051104
US2009040989 AA	20090212	US20080154155	20080519
US2010128725 AA	20100527	US20090625365	20091124
US2010177703 AA	20100715	US20100696947	20100129
US2010177766 AA	20100715	US20090352457	20090112
US2010246550 AA	20100930	US20100748173	20100326
US2013003718 A9	20130103	US20090352457	20090112
US2013272296 AA	20131017	US20130909933	20130604
US2013301628 AA	20131114	US20130892383	20130513
US2013315254 AA	20131128	US20130952781	20130729
US2013336216 AA	20131219	US20130964273	20130812
US2015138977 AA	20150521	US20140523778	20141024
US2015304879 AA	20151022	US20150740062	20150615
US2018049101 AA	20180215	US20170728863	20171010
US2018191836 AA	20180705	US20180908108	20180228
US7420952 BB	20080902	US20030434948	20030508
US7583648 BB	20090901	US20050266884	20051104
US7885243 BB	20110208	US20080154155	20080519
US8462747 BB	20130611	US20100748173	20100326
US8477762 BB	20130702	US20090352457	20090112
US8514852 BB	20130820	US20090625365	20091124
US8520691 BB	20130827	US20100696947	20100129
US8923186 BA	20141230	US20120627883	20120926
US8976733 BB	20150310	US20130964273	20130812
US9019956 BB	20150428	US20130909933	20130604
US9049000 BB	20150602	US20130952781	20130729
US9172738 BA	20151027	US20120571294	20120809
US9258765 BA	20160209	US20140269014	20140502
US9363651 BA	20160607	US20130764008	20130211
US9730100 BB	20170808	US20140523778	20141024
US9819747 BB	20171114	US20150740062	20150615

Priority:

US20020421930P	20021028	US20030434948	20030508	US20030641917	20030815
US20040535668P	20040109	US20040554246P	20040317	US20050036297	20050107
US20050084330	20050317	US20050696144P	20050630	US20050266884	20051104
US20080154155	20080519	US20080117502P	20081124	US20090352457	20090112
US20090148803P	20090130	US20090625365	20091124	US20100696847	20100129
US20100696947	20100129	US20100748173	20100326	JP20120535445	20101025
US2011055400P	20111103	US20120615802P	20120326	US20120621926P	20120409

US20130541446 20130303 US20130871394 20130809 US20130627883 20130826
US20130952781 20130729 US20130964273 20130812 US20130895393P 20131024
US20140269014 20140502 US20140012196P 20140613 US20140523778 20141024
US20150740062 20150615 US20170465526P 20170301 US20170728863 20171010
US20180908108 20180228

Probable Assignee: DYNAMIC MESH NETWORKS INC DBA MESHDYNAMICS

Assignee(s): (std): DAYANANDAN SRIRAM ; DACOSTA FRANCIS ; DYANANDAN SRIRAM ; DYNAMIC MESH NETWORKS INC ; MESH DYNAMICS INC ; MESHDYNAMICS INC ; DYNAMIC MESH NETWORKS INC DBA MESHDYNAMICS ; MESHDYNAMICS

Assignee(s): VYTRONUS INC SUNNYVALE ; ADVANCED CYBERNETICS GROUP INC ; DA COSTA FRANCIS ; WARENSON JAMES ; VYTRONUS, INC.

Inventor(s): (std): GUPTA VIVEK ; DYANANDAN SRIRAM ; DACOSTA FRANCIS ; DAYANANDAN SRIRAM ; DA COSTA FRANCIS ; WARENSON JAMES

Inventor(s): BROMMER ROBERT FREMONT ; ARENSON JAMES W WOODSIDE ; GALLUP DAVID A ALAMEDA ; THAPLIYAL HIRA V LOS ALTOS

Agent(s): FRANCIS DACOSTA, C/O MESH DYNAMICS; FRANCIS DACOSTA C O MESH DYNAMICS; FRANCIS DACOSTA, C/O MESHDYNAMICS; FRANCIS DACOSTA C O MESHDYNAMICS; FRANCIS DACOSTA C OMESH DYNAMICS INC; CHERSKOV AND FLAYNIK; MICHAEL J CHERSKOV; VAN PELT YI AND JAMES LLP; CHERSKOV FLAYNIK AND GURDA LLC

4) Family number: 28516087 (US2003075178A)

© PatBase

Title: CONTINUOUS GAS LEAKAGE FOR ELIMINATION OF VENTILATOR DEAD SPACE

Abstract: A device is provided for removing waste fluid from a fluid supply and removal system that alternately supplies supply fluid to a user and receives the waste fluid from the user. The supply fluid and the waste fluid flow along a flow path, the supply fluid being supplied to and the waste fluid being received from the user by way of a supply tube. The system has a dead space. The device has a flow passage operatively associated with the supply tube and the dead space and directs the supply fluid and the waste fluid. An exhaust tube exhausts a portion of the waste fluid from the system and has a first end operatively associated with the flow passage. The exhaust tube is attached to the system at a location along the flow path between the user and the dead space.

Classifications:

International (IPC 8-9): A61M16/00 A61M16/08 A62B19/00 A62B23/02 A62B7/00 A62B7/10 (Advanced/Invention);

A61B5/083 A61M16/04 A61M16/10 A62B7/00 (Advanced/Non-invention)

International (IPC 1-7): A61M16/00 A62B19/00 A62B23/02 A62B7/00 A62B7/10 B07B1/00

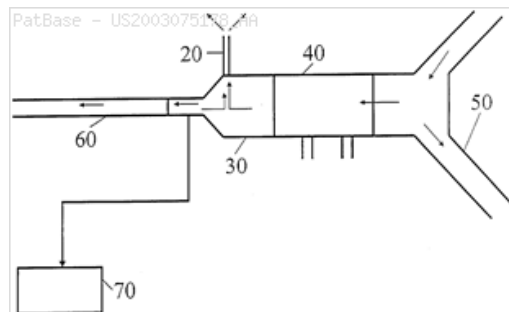
CPC: A61M16/085 A61M16/08 A61B5/0836 A61M16/04 A61M2016/0036 A61M2016/103 A61M2230/432 A61M16/0003 A61M2240/00

European: A61M16/08 K61B5/083D K61M16/00A14B2 K61M16/00A19 K61M16/04 K61M16/08D6G K61M16/10A10D K61M230/43C

US: 128/204.18 128/204.180P 128/204.23 128/204.230S

JP F-Term: 4C103

JP F-Index: A61M16/00/320/Z



Family:

Publication number	Publication date	Application number	Application date
AU2002348458 AA	20030428	AU20020348458	20021018
CA2462722 AA	20040402	CA20022462722	20021018
EP1441866 A2	20040804	EP20020782175	20021018
JP2005506136 T2	20050303	JP20030535954T	20021018
KR20040070339 A	20040807	KR20047005455	20021018
US2003075178 AA	20030424	US20020273300	20021018
WO03033175 A2	20030424	WO2002US33222	20021018
WO03033175 A3	20040318	WO2002US33222	20021018

Priority:

US20010329762P 20011018 US20020273300 20021018 WO2002US33222 20021018

Probable Assignee: UNIV MIAMI

Assignee(s): (std): CLAIRE NELSON R ; MIAMI UNIV ; UNIV MIAMI

Assignee(s): UNIVERSITY OF MIAMI ; OF MIAMI UNIV

Inventor(s): (std): CLAIRE NELSON R

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SIM AND MCBURNEY

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

5) Family number: 74019337 (KR101970165B)

© PatBase

Title: BIRDS ERADICATION APPARATUS FOR POWER DISTRIBUTION LINE

Abstract: The present invention relates to a bird eradication apparatus for a power distribution line. An upper or lower surface of a flange for connecting a lower steel pipe, an upper steel pipe, and a connection pipe forming a steel pole is formed in a tapered

Publication number	Publication date	Application number	Application date
CN103181382 A	20130703	CN201210503150	20121130
CN103181382 B	20171208	CN201210503150	20121130
CN203040521 U	20130710	CN201220649233U	20121130

CN201210503150 20121130 CN201220649233U 20121130

Inventor(s): (std): LI CHAOYANG ; FU RONG ; SONG ZHIGANG

Abstract: Embodiments described herein provide systems for optimizing organism growth, destruction or repair, by controlling the duty cycle, wavelength band and frequency of photon bursts to an organism, through the high frequency modulation of photons in an individual color spectrum to the organism, where the photon modulation is based upon the specific needs of the organism. Devices for the optimization of organism growth, destruction or repair through the high frequency modulation of photons of individual color spectrum to the organism are also provided. Further provided are methods for the optimization of organism growth, destruction or repair through the use of high frequency modulation of photons of individual color spectrums.

International (IPC 8-9): A01G A01G33/00 A01G33/02 A01G7/00
A01G7/04 A01G9/20 A01H3/02 A01K29/00 A01K31/00 A01K39/012
A01K45/00 C12M1/00 C12M1/34 C12M1/36 C12M1/42 C12N1/00
C12N13/00 C12Q1/02 F21S2/00 F21V23/00 G02B26/04
H05B37/02 (Advanced/Invention);
A01H3/02 (Advanced/Non-invention);
A01G (Subclass/Invention)

CPC: A01G7/045 A01G33/00 A01H3/02 C12N13/00 Y02P60/146
A01G9/20 C12M31/02 C12M35/02 C12M41/44 G02B26/04 A01K
A01K39/012 A01K45/00 Y02B20/42 H05B47/10 H05B47/16 H05B
H05B37/0209 H05B37/0281 H05B47/00

JP F-Term: 2B022 2B022/DA01 2B022/DA08 2B022/DA02 2B022/DA03 3K014 3K014/AA01 3K243 3K243/MA01 4B029 4B029/AA27 4B029/BB01 4B029/DF10 4B029/DG10 4B063 4B063/QA20 4B063/QQ04 4B063/QQ20 4B063/QR73 4B063/QR90 4B063/QS39 2B026 2B026/AA05 2B026/AB08 2B026/AC03 3K273 3K273/PA02 3K273/QA21 3K273/SA10 3K273/SA34 3K273/SA60 3K273/TA05 3K273/TA17 3K273/TA28 3K273/TA36 3K273/TA37 3K273/TA52 3K273/TA54 3K273/TA70 3K273/UA22 3K273/UA24 3K273/UA25 3K273/UA29 3K273/UA30 4B029/AA01 4B029/AA07 4B029/BB02 4B029/BB04 4B029/BB05 4B029/BB06 4B029/BB07 4B029/BB09 4B029/BB11 4B029/BB12 4B029/FA01 4B029/FA11 4B029/FA15 4B065 4B065/AA01 4B065/AA71 4B065/AA72 4B065/AA83 4B065/AA86 4B065/AA87 4B065/AA90 4B065/CA53 4B065/CA60 2B103

JP F-Index: A01G7/00/601/C A01G7/00/601/A C12M1/00/C C12Q1/02 F21S2/00/100 F21V23/00/113 F21V23/00/140 F21Y101/00/100 F21Y101/00/300 F21Y103/00 F21Y113/13 F21Y115/10 A01G33/02 C12M1/36 C12N1/00/B H05B37/02/Z A01K45/00/A A01K45/00/Z

[illegible]

Publication number	Publication date	Application number	Application date
AU2016357100 AA	20180614	AU20160357100	20160928
AU2018204668 AA	20180712	AU20180204668	20180627
AU2018204668 BB	20180913	AU20180204668	20180627
AU2018217325 AA	20180906	AU20180217325	20180817
AU2018217325 BB	20191114	AU20180217325	20180817
BR112018010047 A2	20181121	BR20181110047	20160928
CA2901762 AA	20150818	CA20142901762	20140305
CA2959136 AA	20170223	CA20152959136	20150827
CA3005632 AA	20180516	CA20163005632	20160928
CA3005632 C	20180828	CA20163005632	20160928
CN105142392 A	20151209	CN201480011700	20140305
CN105142392 B	20190222	CN201480011700	20140305
CN106793757 A	20170531	CN201580046722	20150827
CN108366546 A	20180803	CN201680073509	20160928
CN108366546 B	20200218	CN201680073509	20160928
CN109924024 A	20190625	CN201910053753	20140305
EP2964012 A1	20160113	EP20140761009	20140305
EP2964012 A4	20161012	EP20140761009	20140305
EP3185669 A1	20170705	EP20150834847	20150827
EP3185669 A4	20180516	EP20150834847	20150827
EP3376856 A1	20180926	EP20160781253	20160928
IL240604 A0	20150924	IL20140240604	20140305
IL240604 A1	20181231	IL20140240604	20140305
IL263333 A0	20181231	IL20140263333	20140305
JP2016518106 T2	20160623	JP20150561614T	20140305
JP2017528130 T2	20170928	JP20170511611T	20150827
JP2018148924 A2	20180927	JP20180108738	20180606
JP2018535675 T2	20181206	JP20180525590T	20160928
KR20150125685 A	20151109	KR20157026243	20140305
MX2015011360 A1	20160427	MX20150011360	20140305
MX2017002653 A1	20170530	MX20170002653	20150827
MX2018005972 A1	20180918	MX20180005972	20160928
US2014250778 AA	20140911	US20140197949	20140305
US2017027135 AA	20170202	US20160278676	20160928
US2017094911 AA	20170406	US20160385517	20161220
US2017142940 AA	20170525	US20170424040	20170203
US2017347532 AA	20171207	US20150506530	20150827
US2018110207 AA	20180426	US20170843394	20171215
US2018184623 AA	20180705	US20180907995	20180228
US2019141961 AA	20190516	US20190247107	20190114
US9526215 BB	20161227	US20140197949	20140305
US9560837 BA	20170207	US20160278676	20160928
US9844209 BA	20171219	US20150943135	20151117
US9907296 BB	20180306	US20170424040	20170203
US10182557 BB	20190122	US20180907995	20180228
US10609909 BB	20200407	US20190247107	20190114
WO14138262 A1	20140912	WO2014US20809	20140305
WO16033350 A1	20160303	WO2015US47239	20150827
WO17087077 A1	20170526	WO2016US54197	20160928
ZA201803236 A	20200129	ZA20180003236	20180516

Priority:

US20130772856P	20130305	US20140929872P	20140121	JP20150561614T	20140305
CN201480011700	20140305	US20140197949	20140305	WO2014US20809	20140305
US20140043523P	20140829	US20140083779P	20141124	US20150506530	20150827
WO2015US47239	20150827	US20150943135	20151117	AU20160357100	20160928
US20160278676	20160928	WO2016US54197	20160928	US20160385517	20161220
US20170424040	20170203	US20170843394	20171215	US20180907995	20180228
JP20180108738	20180606	AU20180204668	20180627	AU20180217325	20180817
US20190247107	20190114				

Probable Assignee: XIANT TECHNOLOGIES INC

Assignee(s): (std): SUNTYCH JON DAREN ; XIANT TECH INC ; XIANT TECHNOLOGIES INC

Assignee(s): NATIONAL ANALYTICS INC

Inventor(s): (std): JON DAREN SUNTYCH ; SUNTYCH JON DAREN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OSLER HOSKIN AND HARCOURT LLP; ARROWSMITH PETER MICHAEL E; GILL JENNINGS AND EVERY LLP; REINHOLD COHN AND PARTNERS; JAMES M; COCHRAN FREUND AND YOUNG LLC; WEATHERLY JAMES M; WEATHERLY JAMES; WEATHERLY JAMES 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 DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG 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

Title: Method and apparatus for debeaking poultry

Abstract: The present invention relates to debeaking turkey and chick poultry through non-contact thermal transfer from a source of high frequency heat generating radiation. The present invention directs heat onto the upper beak of a live bird by convection or radiation to thereby affect the continued growth of the beak. Such heating of the bird's upper beak provides a debeaking method which allows the bird's upper beak to stay in place for several days allowing the bird to eat and drink. Heating the portion of the upper beak also allows the poultry tongue and lower beak to be shielded from the heat causing less trauma and injury to the bird. The heat may be directed onto the poultry upper beak by radiation or convection.

Classifications:

International (IPC 8-9): A01K45/00 A61D1/00 (Advanced/Invention);

A01K45/00 A61D1/00 (Core/Invention)

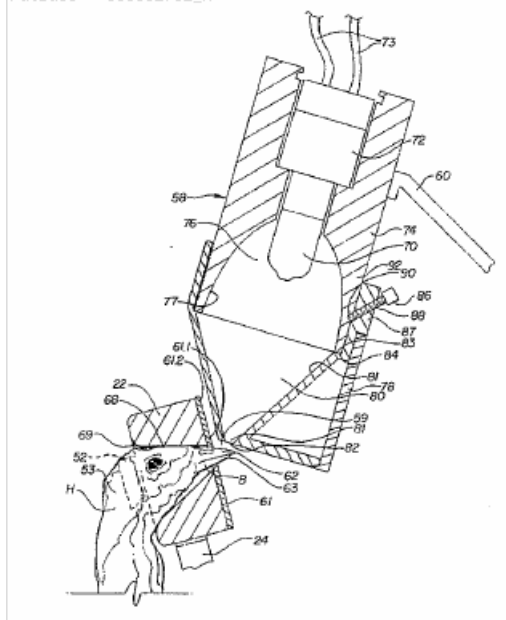
International (IPC 1-7): A22C21/00

CPC: A01K45/00 A61D1/005

European: A01K45/00 A61D1/00B

US: 452/166 606/164

PatBase - US5651731_H



Family:

Publication number	Publication date	Application number	Application date
US5651731 A	19970729	US19950493928	19950623

Priority:

US19950493928 19950623

Probable Assignee: NOVA TECH ENGINEERING INC

Assignee(s): (std): NOVA TECH ENGINEERING INC

Inventor(s): (std): GORANS MARC S ; JOHNSON SCOTT C

Title: SPACEBORNE HOT TEMPERATURE EVENT (HTE) DETECTION ARRANGEMENT AND MULTI-SATELLITE HTE DETECTION SYSTEM

Abstract: An optoelectronic sensor arrangement to increase the revisit rate and the detection reliability of spaceborne hot event detection is carried out by a permanently forward and backward looking multispectral imaging sensor for fire recognition satellite system. This dual-view sensor has two fixed imaging directions for simultaneous observation of the Earth surface (8). The spectral sensor channels are identical in both viewing directions. The multispectral imaging sensor data are co-registered for the forward and backward beam, respectively. An orbital multi-satellite system of N satellites (2 to 7) equipped with the dual-view sensor arrangement provides a revisit time reduced by a factor of two compared to the revisit time for N equally spaced satellites on the same orbit (1), but equipped with sensors using only one observation plane.

Classifications:

International (IPC 8-9): G01C11/02 G01V8/10 (Advanced/Invention);

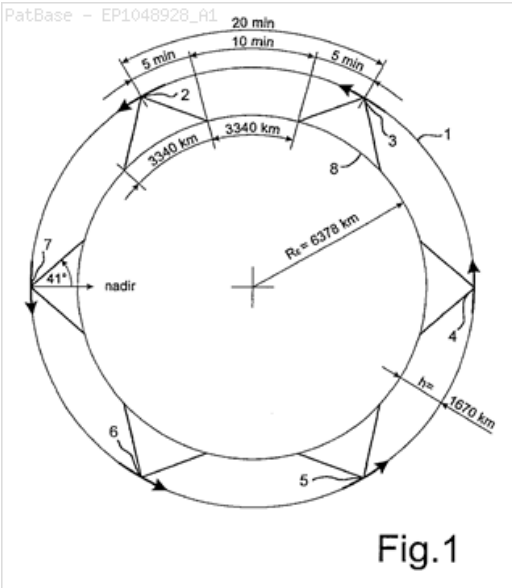
G01C11/00 G01V8/10 (Core/Invention)

International (IPC 1-7): G01C11/02 G01C7/02 G01J3/28 G01V8/10

G01V8/20

CPC: G01C11/02 G01V8/10

European: G01C11/02 G01V8/10



Family:

Publication number	Publication date	Application number	Application date
DE29924577 U1	20040401	DE19992024577U	19990427
EP1048928 A1	20001102	EP19990108257	19990427

Priority:

DE19992024577U 19990427 EP19990108257 19990427

Probable Assignee: DEUTSCH ZENTR LUFT AND RAUMFAHRT

Assignee(s): (std): DEUTSCH ZENTR LUFT AND RAUMFAHRT

Assignee(s): DEUTSCHES ZENTRUM F LUFT U RAUMFAHRT EV ; DEUTSCHES ZENTRUM FUER LUFT UND RAUMFAHRT E V

Inventor(s): (std): OERTEL DIETER ; ZHUKOV BORIS

Designated states: DE ES IT

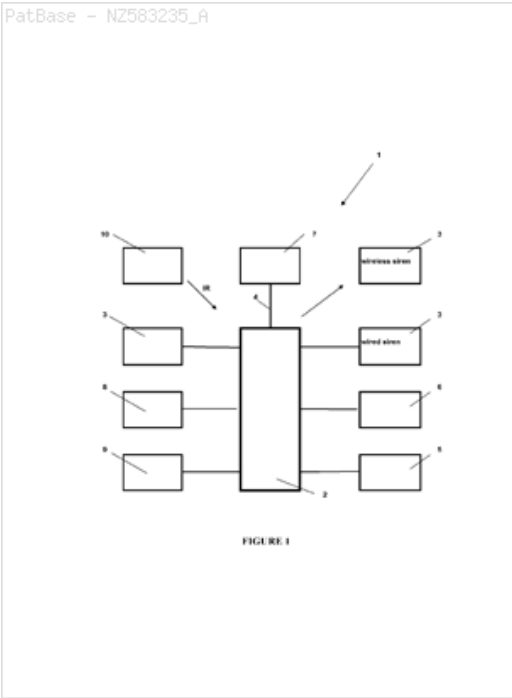
10) Family number: 51245425 (NZ583235A) © PatBase

Title: Bird scaring device with visual and/or audible alarm with programmable alarm timing

Abstract: Disclosed is a bird deterrent device (1) that emits alarm signals at pre-set and/or random time intervals. The device (1) includes a suitably powered control means (2) adapted to generate alarm signals and feed the alarm signals to an alarm means (3) at pre-set or random time intervals. The control means (2) further includes a signal generating means and a programmable duty cycle means with a random signal generator means. The alarm means (3) is configured to deter or scare birds from settling or nesting in a controlled area.

Classifications:

International (IPC 8-9): A01M29/10 A01M29/16
G08B21/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
NZ583235 A	20120330	NZ20110583235	20110303

Priority:

NZ20110583235 20110303

Probable Assignee:

BRYAN GORDON BATE

Assignee(s): (std):

BRYAN GORDON BATE

Inventor(s): (std):

BATE BRYAN GORDON

11) Family number: 49180506 (US2012286956A)

© PatBase

Title: BIRD REPELLING DEVICE

Abstract: A bird repelling device includes a solar cell panel which collects solar heat and converts the collected solar heat into electrical energy; a charging unit which stores the electrical energy received from the solar cell panel; a controller which controls the electrical energy stored in the charging unit; a bird sensor which receives power from the charging unit and detects the approach of birds; a sound generating unit and a sound wave generating unit which are operated by a signal transmitted from the bird sensor; a moving unit which is moved by a drive motor that is operated by a signal transmitted from the bird sensor; and a hollow body which is coupled to the solar cell panel and houses the charging device, the controller and the drive motor therein.

Classifications:

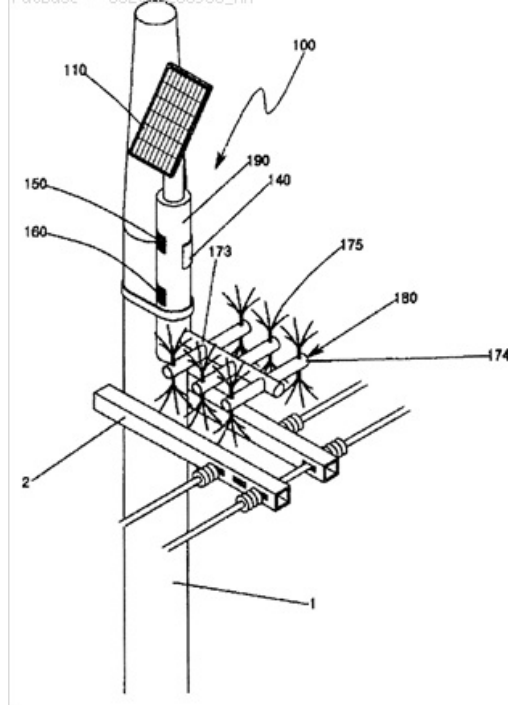
International (IPC 8-9): A01M29/06 A01M29/10 A01M29/12 A01M29/16 A01M29/26 H01L31/042 (Advanced/Invention)

CPC: A01M29/10 A01M31/002 A01M29/06 A01M29/16

European: A01M29/06 A01M29/10 A01M29/16 A01M31/00A

US: 340/573.2

PatBase - US2012286956_AA

**Family:**

Publication number	Publication date	Application number	Application date
KR101284758 B1	20130717	KR20100140114	20101231
KR20110079567 A	20110707	KR20100140114	20101231
US2012286956 AA	20121115	US20100519693	20101230
WO11081491 A2	20110707	WO2010KR09600	20101230
WO11081491 A3	20111201	WO2010KR09600	20101230

Priority:

KR20090135068 20091231 WO2010KR09600 20101230

Probable Assignee: LEE JUNG MI**Assignee(s):** (std): LEE JUNG MI**Inventor(s):** (std): LEE JUNG MI**Agent(s):** JEON YOUNG IL

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 KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

12) Family number: 11300544 (WO9907284A1)

© PatBase

Title: ULTRASOUND MACHINE CALIBRATION

Abstract: A positioning device for an ultrasound probe has first and second components. The first component includes a linear feature constrained to move in a plane parallel to a planar surface on which a spacer is positioned for calibration purposes. The second component, with which the probe is engaged, is engageable with the first component and movable relative thereto only in a plane containing the linear feature. Operating the probe while moving the positioning device over the planar surface enables the position of the probe to be sensed relative to the position of the fixed datum of the sensing device with the linear feature constrained always to lie centrally within the plane of the ultrasound beam so that the position of the linear feature detected within each ultrasound scan can be used to provide accurate position information which can be used to calibrate the position and orientation of the sensor of the ultrasound probe prior to use.

Classifications:

International (IPC 8-9): A61B8/00 G01B17/00

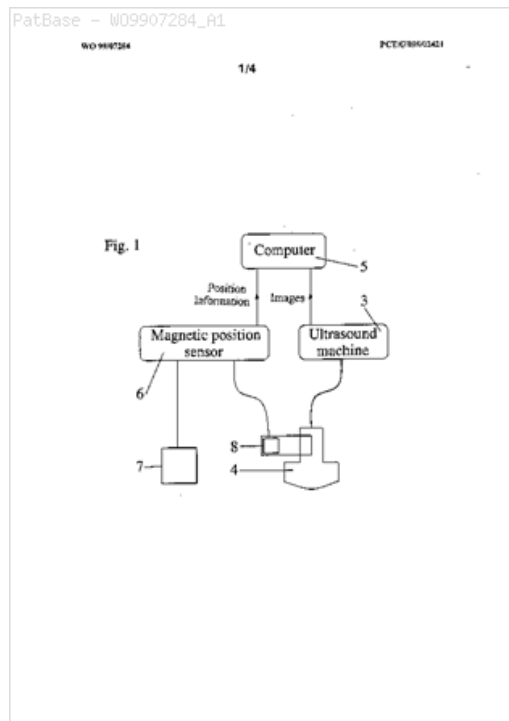
G01S7/52 (Advanced/Invention);

A61B8/00 G01B17/00 G01S7/52 (Core/Invention)

International (IPC 1-7): A61B8/00 G01S15/89

CPC: A61B8/58 G01B17/00 A61B8/00 G01S7/5205

European: A61B8/00 G01B17/00 G01S7/52S6



Family:

Publication number	Publication date	Application number	Application date
AU199887397 A1	19990301	AU19980087397	19980811
GB9716994 A0	19971015	GB19970016994	19970811
WO9907284 A1	19990218	WO1998GB02421	19980811

Priority:

GB19970016994 19970811 WO1998GB02421 19980811

Probable Assignee: UNIV CAMBRIDGE TECH

Assignee(s): (std): PRAGER RICHARD ; UNIV CAMBRIDGE TECH

Assignee(s): CAMBRIDGE UNIV TECHNICAL SERVICES LTD ; CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LIMITED ; CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LTD

Inventor(s): (std): PRAGER RICHARD

Inventor(s): RICHARD PRAGER

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

13) Family number: 58068598 (GB2531059B)

© PatBase

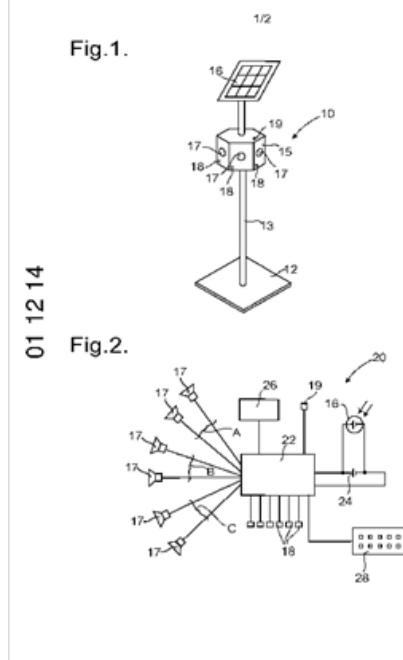
Title: BIRD SCARING APPARATUS

Abstract: A bird scaring apparatus 10 comprises a plurality of loudspeakers 17, and a signal controller 22 that is arranged to cause the loudspeakers to generate a bird scaring sound at intervals, and is arranged to vary the sound with time by: (a) varying the loudness of the bird-scaring sound; and also (b) generating the sound with only a selection of the loudspeakers rather than all the loudspeakers and changing the selection of loudspeakers during the generation of the bird-scaring sound. The bird-scaring sound may be a distress call of the bird species that is to be scared. Varying the loudness of the sound ensures that birds at a variety of different distances from the apparatus will hear the bird-scaring sound at an appropriate volume. Changing the selection of loudspeakers gives the birds the impression that a predator is moving around. The combination of these ways to vary sound is therefore beneficial in scaring and dispersing birds in a humane fashion.

Classifications:

International (IPC 8-9): A01M29/16 (Advanced/Invention)

CPC: A01M29/16

**Family:**

Publication number	Publication date	Application number	Application date
GB201417935 A0	20141126	GB20140017935	20141010
GB2531059 A1	20160413	GB20140017935	20141010
GB2531059 B2	20190403	GB20140017935	20141010

Priority:

GB20140017935 20141010

Probable Assignee: SCARECROW BIO ACOUSTIC SYSTEMS LTD**Assignee(s):** (std): SCARECROW BIO ACOUSTIC SYSTEMS LTD ; SCARECROW GROUP LTD**Inventor(s):** (std): LEE PANNETT ; DAVID JAMES RANDALL**14) Family number: 34210722** (WO07017596A2)

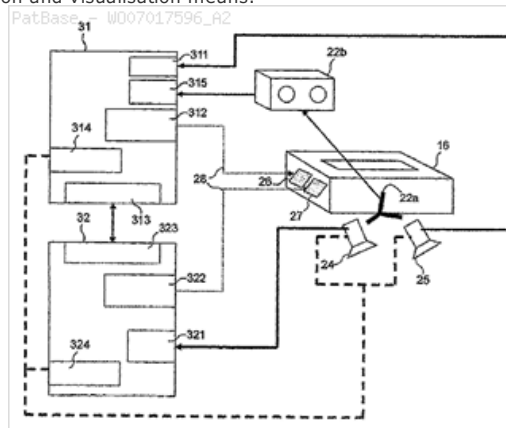
© PatBase

Title: DEVICE FOR VISUALISING A VIRTUAL PASSENGER COMPARTMENT OF A VEHICLE IN A REAL SITUATION

Abstract: The invention relates to a device for visualising a virtual passenger compartment of a vehicle. Said device comprises mobile video acquisition and visualisation means, at least one visualisation means, at least one video capturing means for capturing the field of vision, a movement capturing device, and at least one processing means which is connected to said mobile video acquisition and visualisation means and adapted in such a way as to receive a video of at least one video capturing means, to insert the virtual passenger compartment respectively into the video received, according to the information received from the movement capturing device, and to transmit the received video into which the virtual passenger compartment has been inserted, to the at least one visualisation means, in real-time. The inventive device also comprises synchronisation means arranged between the at least one processing means and the mobile video acquisition and visualisation means.

Classifications:

International (IPC 8-9): G06F3/147 G06T17/00 G09B9/05 H04N13/00 H04N5/222 H04N7/15 (Advanced/Invention); G06F3/147 G06T17/00 G09B9/04 H04N13/00 H04N5/222 H04N7/15 (Core/Invention)

CPC: G06T11/00 H04N5/222 H04N5/272**European:** G06T11/00 H04N5/222 H04N5/272**Family:**

Publication number	Publication date	Application number	Application date
EP1913764 A2	20080423	EP20060794315	20060809

FR2889753 A1	20070216	FR20050052475	20050809
WO07017596 A2	20070215	WO2006FR01933	20060809
WO07017596 A3	20070405	WO2006FR01933	20060809

Priority:

FR20050052475 20050809 WO2006FR01933 20060809

Probable Assignee: TOTAL IMMERSION SA

Assignee(s): (std): LEFEVRE VALENTIN ; TOTAL IMMERSION ; TOTAL IMMERSION SA ; VAIDIE JEAN MARIE

Assignee(s): TOTAL IMMERSION SOC ANONYME ; TOTAL IMMERSION SOCIETE ANONYME

Inventor(s): (std): LEFEVRE VALENTIN ; VAIDIE JEAN MARIE

Agent(s): IMBERT DE TREMIOLLES GHISLAIN

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

15) Family number: 15572758 (US6251004B)

© PatBase

Title: AUTOMATIC POULTRY CUTTING APPARATUS

Abstract: A device under the control of a programmable logic controller, cuts poultry carcasses into a predetermined amount of pieces that remain together and are deposited into a compartmentalized conveyor for continued separation until the cut up carcass or carcasses are deposited into the final packaging configuration. The device, can cut the tail, breast tip, drumsticks, split the breast into two halves in the front, remove internal organs not removed in the evisceration process, cut wings, split the back from the top of the breast to the bottom of the thigh, cut the breast portion from the thigh portion, and remove the leaf fat from the bottom of the thigh. The disclosed device can also skip some of the above cuts to generate different end products.

Classifications:

International (IPC 8-9): A22C21/00 (Advanced/Invention);

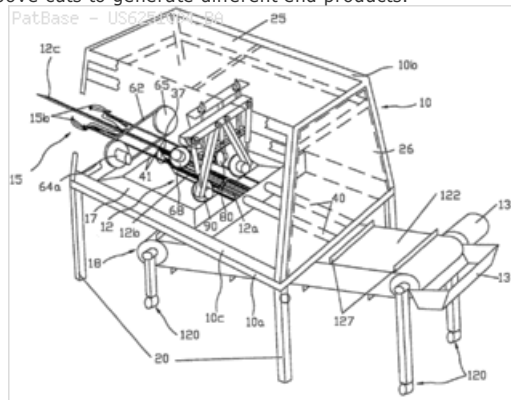
A22C21/00 (Core/Invention)

International (IPC 1-7): A22C2/100 A22C21/00

CPC: A22C21/0023

European: A22C21/00D

US: 452/151 452/156 452/165 452/166



Family:

Publication number	Publication date	Application number	Application date
US6251004 BA	20010626	US19980206018	19981204

Priority:

US19970067283P 19971205 US19980206018 19981204

Probable Assignee: NEMETH DENNIS J

Assignee(s): (std): NEMETH DENNIS J

Inventor(s): (std): NEMETH DENNIS J

Inventor(s): DENNIS J NEMETH

Agent(s): RICHARD O BARTZ

16) Family number: 74182850 (KR101974485B)

© PatBase

Title: SUPPORTING BAR FOR ELECTRIC POWER LINE

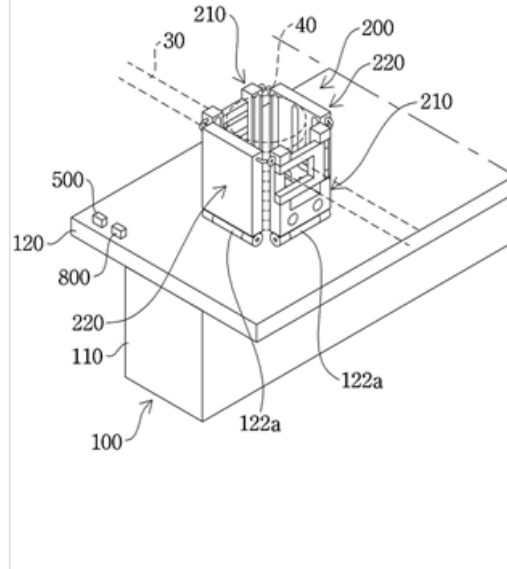
Abstract: The present invention relates to a steel support crossarm for fixing an overhead feeder, having little danger of electric shock, capable of largely improving the stability in repairing work of an overhead feeder by blocking a connection part between the overhead feeders of the center of an insulator and a worker body by a cover module of a contact prevention function, which is unfolded in a vertical state only when being used. The steel support crossarm for fixing an overhead feeder sufficiently proves the improvement of the stability in the repairing work in a dark environment or in a nighttime work and can prevent birds from nesting in the steel crossarm by having a function of eradicating the birds when the cover module is not in use. According to the present invention, the steel support crossarm for fixing an overhead feeder, posing little danger of electric shock, comprises a steel crossarm main body, a blocking cover unit, an auxiliary blocking cover, a luminous unit, an illumination sensor, a power unit, a leading wire unit, a bird sensor, and a control unit. The overhead feeder is installed in a space inside first unit blocking covers and second unit blocking covers of the blocking cover unit.

Classifications:

International (IPC 8-9): H01B17/16 H01B17/38 H02G7/05 H02G7/20

H02S20/00 H02S40/38 (Advanced/Invention)

CPC: H02G7/05 H01B17/16 H01B17/38 H02G7/20 H02S20/00 H02S40/38

**Family:**

Publication number	Publication date	Application number	Application date
KR101974485 B1	20190503	KR20180121800	20181012

Priority:

KR20180121800 20181012

Probable Assignee: SEUNG LIM ENG CO LTD**Assignee(s):** (std): SEUNG LIM ENG CO LTD**Assignee(s):** SEUNG LIM ENGINEERING CO ; SEUNG LIM ENGINEERING CO LTD ; SEONGRIM ENGINEERING CO LTD**Inventor(s):** (std): LEE SUNG HEE**17) Family number: 54294945** (US2014089243A)

© PatBase

Title: SYSTEM AND METHOD FOR ITEM SELF-ASSESSMENT AS BEING EXTANT OR DISPLACED

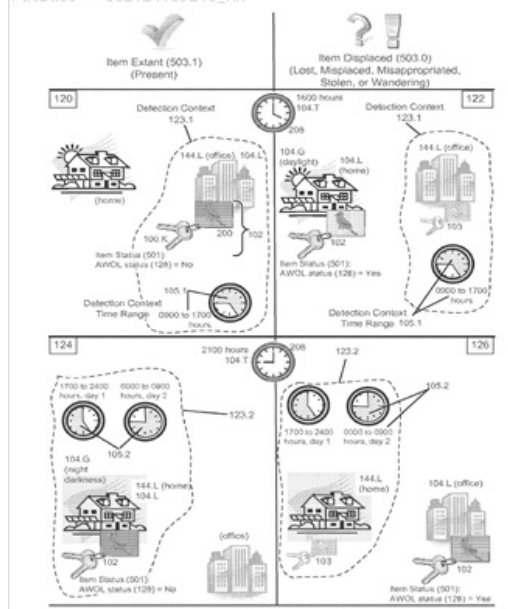
Abstract: A portable item reporting device (200) is configured to be attached to and in substantial collocation with a portable item (100), or to be integrated into a portable item (100). The device (200) includes environmental sensors (210) to monitor item location, movement, ambient light, sounds, temperature, etc. The device (200) is configured to store usage expectation data (600) indicative of historical and/or expected item usage and environments when the item (100) is in normal use/storage associated with an authorized user (AU). The device (200) monitors current environmental conditions (104) surrounding and pertaining to the item. If the current environment (104) is inconsistent with expected conditions (600), the device (200) assesses that the item (100) is displaced (503.0), meaning either that the item (100) is in abnormal use or abnormal storage, or is under the control of an unauthorized user (UU) who is other than the authorized user (AU). Based on the assessment the device initiates a signal (372) or message (374) to an authorized user (AU) of the item (100), indicating that the item (100) usage/storage is displaced (503.0) or otherwise anomalous (503.2).

Classifications:

International (IPC 8-9): G06F11/34 G06F21/00 G06F21/50 G06F21/88 G06K7/10 G06N3/08 G06N5/02 G06Q10/08 G06Q50/28 G07C11/00 G08B13/24 G08B23/00 H04L25/02 H04W4/02 H04W4/021 H04W4/029 H04W4/04 H04W4/33 H04W4/38 (Advanced/Invention)

CPC: H04W4/38 H04W4/029 G06N3/08 G06F11/3419 G06F11/3438 G06F21/50 G06F2221/2101 G06F2221/2111 G06Q10/08 G06Q10/087 H04L25/0226 H04W4/021 G06F21/88 G06K7/10009 G06K7/10326 G06K2007/10504 G06N5/02 G08B13/2428 H04W4/33

US: 1/1 235/439 340/572.1 706/46 726/35

**Family:**

Publication number	Publication date	Application number	Application date
AU2013207274 AA	20140821	AU20130207274	20130107
CA2861660 AA	20140625	CA20132861660	20130107
EP2801049 A2	20141112	EP20130733544	20130107
EP2801049 A4	20160309	EP20130733544	20130107
EP2801049 B1	20181114	EP20130733544	20130107
EP3457723 A1	20190320	EP20180205204	20130107
EP3457723 B1	20200415	EP20180205204	20130107
US2014089243 AA	20140327	US20130879403	20130107
US2016085999 AA	20160324	US20150952996	20151126
US2016110975 AA	20160421	US20150979680	20151228
US2019035245 AA	20190131	US20170330988	20170910
US2019349728 AA	20191114	US20190510950	20190714
US2019362610 AA	20191128	US20190533683	20190806
US9224096 BB	20151229	US20130879403	20130107
US9786145 BB	20171010	US20150952996	20151126
US10354505 BB	20190716	US20170330988	20170910
US10373462 BB	20190806	US20150979680	20151228
WO13103994 A2	20130711	WO2013US20587	20130107
WO13103994 A3	20141002	WO2013US20587	20130107
WO13103994 A9	20150305	WO2013US20587	20130107

Priority:

US20120584276P	20120108	EP20130733544	20130107	US20130879403	20130107
WO2013US20587	20130107	US20130879403	20130418	US20150952996	20151126
US20150979680	20151228	US20170330988	20170910	US20190510950	20190714
US20190533683	20190806				

Probable Assignee: IMAGISTAR LLC**Assignee(s):** (std): IMAGISTAR LLC ; OPPENHEIMER STEVEN CHARLES ; OPPENHEIMER STEVEN**Assignee(s):** IMAGISTAR LLC15 - 12207 BRAXFIELD COURT ROCKVILLE MD 20852 US**Inventor(s):** (std): OPPENHEIMER STEVEN ; OPPENHEIMER STEVEN CHARLES**Inventor(s):** OPPENHEIMER STEVEN CHARLES US**Agent(s):** AJ PARK; BERESKIN AND PARR LLP SENCRL SRL; HUGHES ANDREA MICHELLE; DEHNS; STEVEN C; OPPENHEIMER STEVEN C**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**18) Family number: 20702989** (WO9935916A2)

PatBase

Title: AN ANTI-MICROBIAL TREATMENT SYSTEM FOR AND METHOD OF DISINFECTING ANIMAL CARCASSES**Abstract:** This disclosure relates to an anti-microbial treatment system for disinfecting animal carcasses. The system includes a system for mixing two components of an anti-microbial liquid chemical and delivering a homogeneous mixture of such chemical to an application system for applying the chemical to animal carcasses to disinfect them. One such application system disclosed is a spray cabinet system comprising one or more spray cabinets, each of which is equipped with low-volume spray nozzles for

spraying liquid chemical on carcasses transported through the cabinet. The entire system operates under the control of a programmable logic controller for controlling and monitoring the system and for recording and reporting data regarding the status of the system and components thereof.

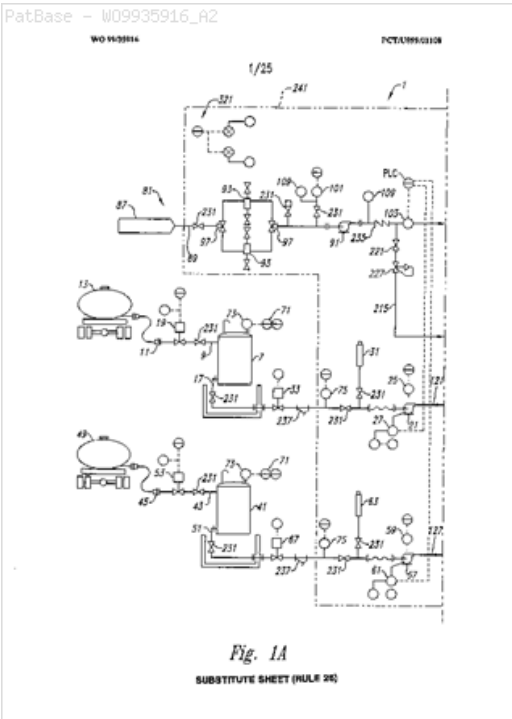
Classifications:

International (IPC 8-9): A23B4/24 A23B4/30 (Advanced/Invention);
A23B4/14 A23B4/26 (Core/Invention)

International (IPC 1-7): A23B4/00 A23B4/24 A23B4/30

CPC: A23B4/24 A23B4/30

European: A23B4/24 A23B4/30



Family:

Publication number	Publication date	Application number	Application date
AU199923272 A1	19990802	AU19990023272	19990119
WO9935916 A2	19990722	WO1999US01108	19990119
WO9935916 A3	19990923	WO1999US01108	19990119

Priority:

US19980008913 19980120 WO1999US01108 19990119

Probable Assignee: NOVUS INT INC

Assignee(s): (std): NOVUS INT INC

Assignee(s): NOVUS INTERNATIONAL INC

Inventor(s): (std): MOWERY KEVIN M ; MUELLER STEVEN J ; ALLEN PHILIP H ; HORMELL ROBERT L ; KILLIAN ROBERT J ; ALY KHALID M ; MAAG WALTER C ; FARINA JOSEPH J

Inventor(s): PHILIP H ALLEN ; ROBERT L HORMELL ; WALTER C MAAG ; KEVIN M MOWERY ; STEVEN J MUELLER ; JOSEPH J FARINA ; ROBERT J KILLIAN ; KHALID M ALY

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