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**Title:** RADIOACTIVE EMISSION DETECTOR EQUIPPED WITH A POSITION TRACKING SYSTEM AND UTILIZATION THEREOF WITH MEDICAL SYSTEMS AND IN MEDICAL PROCEDURES

**Abstract:** A system for calculating a position of a radioactivity emitting source in a system-of-coordinates, the system comprising (a) a radioactive emission detector; (b) a position tracking system being connected to and/or communicating with the radioactive emission detector; and (c) a data processor being designed and configured for receiving data inputs from the position tracking system and from the radioactive emission detector and for calculating the position of the radioactivity emitting source in the system-of-coordinates.

**Classifications:**

**International (IPC 8-9):** A61B1/05 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/06 A61B5/07 A61B5/11 A61B6/00 A61B6/02 A61B6/03 A61B6/06 A61B6/12 A61F2/04 A61K101/00 A61K103/00 A61K103/10 A61K103/20 A61K103/30 A61K103/32 A61K31/66 A61K49/00 A61K51/00 A61K51/02 A61K51/04 A61K51/08 A61K51/10 A61M36/00 A61M36/14 A61M5/00 A61M5/31 A61N5/00 A61P35/00 A61P9/10 C08F210/00 C12Q1/04 C12Q1/16 C12Q1/68 F02B1/00 F16J15/02 F16J15/50 G01B11/28 G01B5/26 G01C19/00 G01C3/14 G01D18/00 G01J1/42 G01N33/574 G01N33/60 G01T1/00 G01T1/16 G01T1/161 G01T1/164 G01T1/166 G01T1/20 G01T1/24 G01T1/29 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/00 G06K9/00 G06K9/36 G06K9/68 G06Q10/00 G06Q50/00 G06Q50/22 G06T1/00 G06T11/00 G06T15/00 G06T17/00 G06T5/10 G06T5/50 G06T7/00 G21F5/00 G21F5/015 G21F5/06 H01L27/146 H04N13/00 H04N15/00 (Advanced/Invention); A61B1/31 A61B19/00 A61B5/055 A61B6/00 A61B6/03 A61B6/04 A61B6/12 A61B8/00 A61B8/08 A61K101/00 A61K103/00 A61K103/10 A61K103/20 A61K103/30 A61K103/32 A61N7/02 G01B11/28 G06K9/36 (Advanced/Non-invention); A61B1/05 A61B19/00 A61B5/00 A61B5/05 A61B5/06 A61B5/07 A61B5/11 A61B6/00 A61B6/03 A61B6/12 A61K31/66 A61K49/00 A61K51/00 A61K51/02 A61M36/00 A61N5/00 A61P35/00 A61P9/00 C08F210/00 C12Q1/04 C12Q1/16 C12Q1/68 F02B1/00 F16J15/02 F16J15/50 G01B11/28 G01B5/26 G01C19/00 G01C3/00 G01D18/00 G01J1/42 G01T1/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/00 G06K9/00 G06K9/36 G06K9/68 G06Q50/00 G06T1/00 G06T15/00 G06T17/00 G06T5/10 G06T5/50 G06T7/00 G21F5/00 H04N13/00 H04N15/00 (Core/Invention); A61B1/31 A61B19/00 A61B5/055 A61B6/03 A61B8/00 A61B8/08 A61N7/00 G01B11/28 G06K9/36 (Core/Non-invention); G01T (Subclass/Invention)

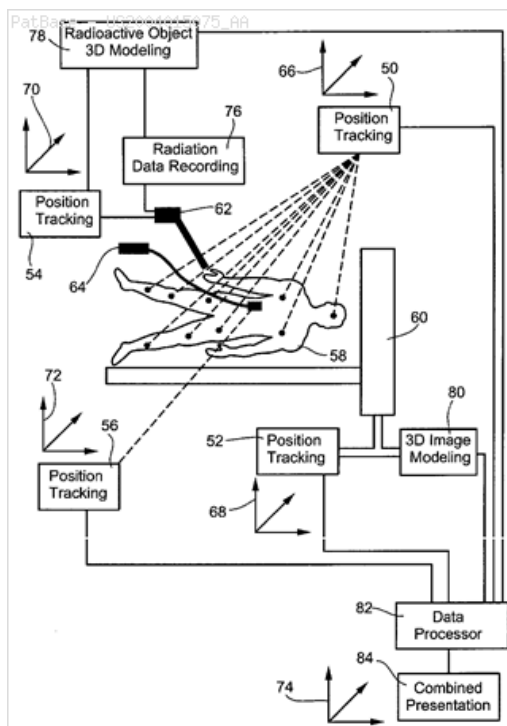
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**Family:**

| Publication number | Publication date | Application number | Application date |
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| US20130140587  | 20131226 | US20140214960  | 20140316 | US20160184041  | 20160616 |

**Probable Assignee:** SPECTRUM DYNAMICS MEDICAL LTD

**Assignee(s):** (std): BIOSENSORS INT GROUP LTD ; BRONSHTINE ZOHR ; BLOSENSOR INT GROUP LTD ; BEN HAIM SHIOMO ; ROUSSO BENNY ; MOADDEB SHAHRAM ; RAVHON RAN ; DICHTERMAN ELI ; DICKMAN DALIA ; KIMCHY YOAV ; NAGLER MICHAEL ; POPPER ZIV ; MELMAN HAIM ; ROTH NATHANIEL ; EINAV OMER ; NIR Yael ; GLUHOVSKY LEONID ; AMRAMI RONI ; ANTEBI UDI ; BEN DAVID GAL ; BEN HAIM SHLOMO ; BOUSKILA YONA ; BRONSHTINE ZOHAR ; BERMAN DANIEL ; BEN HAIM SIMONA ; BENNY ROUSSO ; OMER EINAV ; HAGLER MICHAEL ; DALIA DICKMAN ; MICHAEL NAGLER ; DAVID GAL BEN ; VTARGET LTD ; SPECTRUM DYNAMICS ; TARGET CO LTD V ; TARGET TECHNOLOGIES LTD V ; SPECTRUM DYNAMICS LLC ; ZIV OMER ; SAYADA CHALOM B ; VALLABHAJOSULA SHANKAR ; SIDORENKO NICK ; ZILBERSTEIN YOEL ; SPECTRUM DYNAMICS ISRAEL LTD ; WEISSBERG NIR ; ZILBERSTIEN YOEL ; ZIV POPPER ; SHLOMO BEN HAIM ; ZOHAR BRONSHTINE ; YOEL ZILBERSTEIN ; TARGET LTD V ; SAYADA CHALOM BRUNO ; SPECTRUM DYNAMICS MEDICAL LTD

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**Inventor(s):** (std): AMRAMI R ; AMRAMI RONI ; ANTEBI UDI ; BEN DAVID GAL ; BEN HAIM SHIOMO ; BEN HAIM SHLOMO ; BOUSKILA Y ; BOUSKILA Y KIMCHY R AMRAMI Y ; BOUSKILA YONA ; BRONSHTINE ZOHAR ; HAGLER MICHAEL ; KIMCHY Y ; KIMCHY YOAV ; MICHAEL ROUSSO BENNY NAGLER ; SIDORENKO NICK ; DICKMAN DALIA ; EINAV OMER ; ROUSSO BENNY ; ZILBERSTEIN YOEL ; ZILBERSTEIN YOEL ; ZILBERSTIEN YOEL ; WEISSBERG NIR ; VALLABHAJOSULA SHANKAR ; SAYADA CHALOM BRUNO ; SAYADA CHALOM B ; ROTH NATHANIEL ; RAVHON RAN ; POPPER ZIV ; OMER EINAV ; NIR Yael ; NAGLER MICHAEL ; MOADDEB SHAHRAM ; MELMAN HAIM ; HAJ YAHYA SAJED ; GLUHOVSKY LEONID ; DICHTERMAN ELI ; DAVID GAL BEN ; BRONSHTINE ZOHR ; BERMAN DANIEL ; BEN HAIM SIMONA ; AMRAMI RONI ; ZIV OMER ; AMRAMI RONI

**Inventor(s):** ZILBERSTIEN YOELIL ; BEN HAIM SHLOMOGB ; BEN HAIM SHLOMO LONDON ; BRONSHTINE ZOHARIL ; EINAV OMERIL ; DICKMAN DALIAIL ; NAGLER MICHAELIL ; SAYADA CHALOM ; ROUSSO BENNYIL ; ZIV POPPER ; ZOHAR BRONSHTINE ; ROUSSO BENNY NAGLER MICHAEL ; SHLOMO BEN HAIM ; GAL BEN DAVID ; UDI ANTEBI ; Y BOUSKILA ; Y KIMCHY ; Y KIMCHY R AMRAMI Y BOUSKILA ; YOAV KIMCHY ; YOEL ZILBERSTEIN ; YONA BOUSKILA ; NICK SIDORENKO ; R AMRAMI ; RONI AMRAMI ; MICHAEL NAGLER ; DALIA DICKMAN ; DAVID GAL ; BENNY ROUSSO

**Agent(s):** CULLENS PATENT AND TRADE MARK ATTORNEYS ; CULLENS PTY LTD ; BULL HOUSSEY AND TUPPER LLP ; MACHTALERE GEORGES ; DENNEMEYER AND ASSOCIATES SA ; FREEMAN AVI ET AL ; BECK GREENER ; SCHMITZ JEAN MARIE ET AL ; FICHTER ROBERT ARNO ET AL ; GE EHRlich 1995 LTD ; G E EHRlich 1995 LTD C O ANTHONY CASTORINA ; MARTIN MOYNIHAN, C/O ANTHONY CASTORINA ; MARTIN MOYNIHAN C O ANTHONY CASTORINA ; MARTIN MOYNIHAN, ANTHONY CASTORINA ; MARTIN MOYNIHAN ANTHONY CASTORINA ; WOLF BLOCK SHORR AND SOLIS-COHN LLP ; WOLF BLOCK SHORR AND SOLIS COHN LLP ; MARTIN D MOYNIHAN PRISI INC ; MARTIN D MOYNIHAN PRISI ; MARTIN D MOYNIHAN D B A PRISI INC ; WILLIAM H DIPPET ECKERT SEAMANS CHERIN AND MELLOTT LLC ; WOLF BLOCK SCHORR AND SOLIS COHN LLP ; DIPPET WILLIAM H ; WILLIAM H ; ECKERT SEAMANS CHERIN AND MELLOTT LLC ; ECKERT SEAMANS CHERIN AND MELLOTT LLC ; GE EHRlich 1995 LTD ET AL ; G E EHRlich 1995 LTD

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

**Title:** STRUCTURED TESTING **METHOD** FOR DIAGNOSTIC OR **THERAPY** SUPPORT OF A PATIENT WITH A CHRONIC DISEASE AND DEVICES THEREOF

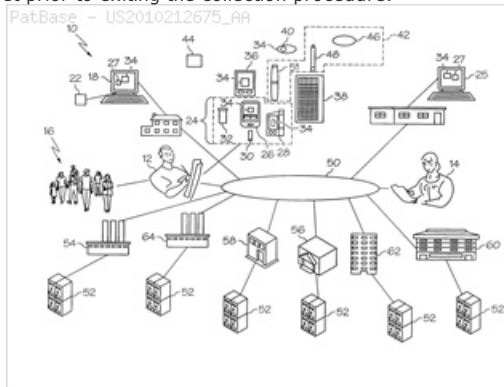
**Abstract:** A structured testing **method** for diagnostic or **therapy** support of a patient with a chronic disease and devices thereof are disclosed which implement a structured collection procedure based on a medical use case and/or question which provides at least one or more parameters defining entry criterion, a schedule of events, adherence criterion, and exit criterion. The entry criterion establish conditions needed to be met prior to obtaining biomarker data from the patient. Each event can include one or more of a performance time, patient guidance to perform the event, a request for information from the patient a request for patient action, and a request for collection of biomarker data from the patient. The adherence criterion can be used to assess whether an event performed is acceptable to addressing the medical use case and/or question, and the exit criterion establishes conditions needed to be met prior to exiting the collection procedure.

**Classifications:**

**International (IPC 8-9):** A61B10/00 A61B19/00 A61B5/00 A61B5/145 A61B90/00 G01N33/48 G01N33/49 G01N33/66 G05B21/00 G06F11/10 G06F12/00 G06F13/00 G06F15/16 G06F17/30 G06F17/40 G06F19/00 G06F3/048 G06F9/46 G06Q10/00 G06Q10/10 G06Q30/00 G06Q50/00 G06Q50/22 G06Q50/24 G09B23/28 G16H10/20 G16H20/00 G16H20/10 G16H40/67 G16H50/20 H03M13/09 (Advanced/Invention); A61B5/05 A61B5/145 A61M31/00 C12Q1/00 G06F17/40 G06F19/00 G06Q50/00 (Advanced/Non-invention); A61B G06Q (Subclass/Invention)  
**CPC:** A61B5/7232 A61B5/021 A61B5/024 G06Q10/10 G06F17/30289 G01N33/66 G01N33/49 G06F17/30286 A61B5/7264 A61B5/0022 A61B5/4833 G06F19/325 A61B5/05 A61M31/00 A61M2230/201 C12Q1/006 A61B5/14546 G06Q50/22 G16H10/60 G16H15/00 G06F19/3456 A61B5/0002 A61B5/14532 A61B5/4839 A61B5/7275 G06F19/3418 G06F19/3468 G06F19/3475 G06F19/3481 G06Q50/24 G16H50/20 G16H40/63 G06F19/363 G16H20/17 G16H80/00 G16H10/20 G06F19/00

**European:** A61B5/00B A61B5/00B5F A61B5/145G A61B5/145P A61B5/48H A61B5/48J2 A61B5/72K12 G06F19/32C G06F19/32E1 G06F19/34A G06F19/34C G06F19/34K G06F19/34L G06F19/34P G06F19/36A G06Q10/10 G06Q50/22 G06Q50/24 K61B5/021 K61B5/024 K61B5/145P K61B5/72M2 S06F19/34C S06F19/34K S06F19/34L3 S06F19/34M S06F19/34N S06F19/36A

**US:** 1/1 128/898 434/262 434/262S 600/300 600/300S 600/309 600/309P 600/365 600/365P 700/266 702/19 702/19S 702/23 705/2 705/2S 705/3 705/3P 707/694 707/740 707/740P 707/803 707/803S 707/804 707/E17.044 707/E17.044S 707/E17.046 707/E17.046S 709/219 709/219S 711/154 711/154S 711/E12.001 711/E12.001S 714/807 714/807P 714/E11.034 714/E11.034S 715/771 715/771P 719/318 719/318S



**Family:**

| Publication number | Publication date | Application number | Application date |
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| JP20160230341  | 20161128 |                |          |               |          |

**Probable Assignee:** ROCHE DIABETES CARE INC

**Assignee(s):** (std): BOUSAMRA STEVEN ; BOUSAMRA STEVEN A ; EIKMEIER HEINO ; F HOFFMANN LA ROCHE AG ; HOFFMANN LA ROCHE ; HOFFMANN LA ROCHE INC ; GREENBURG ALAN M ; ESSENPREIS MATTHIAS ; ROCHE DIAGNOSTICS OPERATIONS ; SONI ABHISHEK S ; ROCHE DIAGNOSTIC OPERATIONS INC ; RASCH MENGES JUERGEN ; WEINERT STEFAN ; WALLING P DOUGLAS ; SURRIDGE NIGEL ; LAAN REMMERT ; ROCHE DIABETES CARE INC ; WERNER KARL ; KRAELING BIRGIT ; PORSCH ULRICH ; PRICE JOHN F ; ROCHE DIAGNOSTICS GMBH

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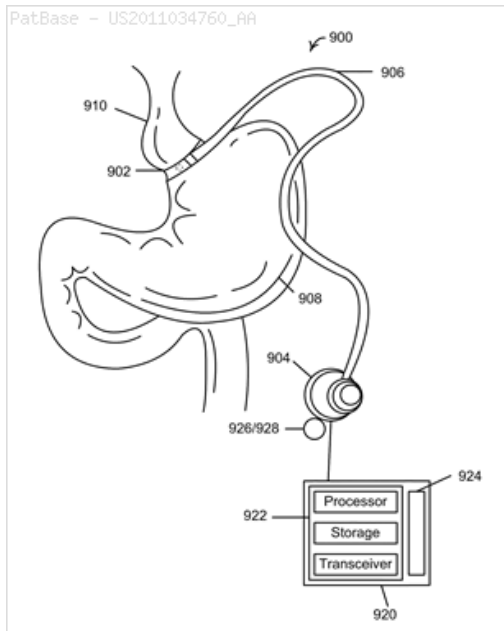
**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HU ID IE IL IN IS IT JP KE KG KM KN KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ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

**Title:** FEEDBACK SYSTEMS AND **METHODS** TO ENHANCE OBSTRUCTIVE AND OTHER OBESITY **TREATMENTS**

**Abstract:** Feedback systems and **methods** enhance obstructive and other obesity **treatments** by presenting feedback regarding patients' actual eating and/or exercise habits. An ingestion restricting implant body can be deployed along the gastrointestinal tract. In some embodiments, ingestion alters the implant body, which, in turn, generates signals. The generated signals can be used to inhibit unhealthy ingestion by the patient. In other embodiments, the implant body can be altered by signals so as to selectable change the restriction imposed on the gastrointestinal tract, optionally in response to ingestion events, an eating schedule, or the like. The implant body may comprise a gastric band or an intragastric balloon. Sensor signals may be processed to identify ingestion and/or characterize ingestion of a solid or a liquid, and the results may be displayed on a screen for a patient or coach to view.

**Classifications:**

**International (IPC 8-9):** A61B17/12 A61B5/00 A61B5/0205 A61B5/07 A61B5/11 A61B90/00 A61F2/04 A61F5/00 A61N1/00 A61N1/36 G06F19/00 G09B19/00 (Advanced/Invention); A61N1/372 (Advanced/Non-invention)  
**CPC:** A61B5/0022 A61B5/02055 A61B5/076 A61B5/1118 A61B5/411 A61B5/4205 A61B5/486 A61B5/6846 A61F5/0053 A61N1/36007 A61N1/37247 G06F19/3418 G06F19/3475 A61B5/6871 G09B19/0092 G06F19/34 G06F19/3481 G16H10/60 G06F19/00  
**European:** A61B5/11Q A61B5/41B A61B5/42B A61B5/48S A61B5/68D A61F5/00B6G2 G06F19/32C G06F19/34C G06F19/34M K61B5/07 K61N1/36B K61N1/372D4U  
**US:** 434/127 434/127P 434/236 600/300 600/300P 600/301 600/301S 600/302 600/302S 600/37 600/37P 606/192 606/192S 607/3 607/3S



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2010232398 AA    | 20101007         | AU20100232398      | 20100405         |
| AU2010232398 BB    | 20150402         | AU20100232398      | 20100405         |
| AU2010232407 AA    | 20101007         | AU20100232407      | 20100405         |
| AU2010232407 BB    | 20141030         | AU20100232407      | 20100405         |
| CA2757599 AA       | 20101007         | CA20102757599      | 20100405         |
| CA2757599 C        | 20170905         | CA20102757599      | 20100405         |
| CA2757612 AA       | 20101007         | CA20102757612      | 20100405         |
| CA2974259 AA       | 20101007         | CA20102974259      | 20100405         |
| CN102448365 A      | 20120509         | CN201080022864     | 20100405         |
| CN102448365 B      | 20160210         | CN201080022864     | 20100405         |
| CN102448538 A      | 20120509         | CN201080022872     | 20100405         |
| CN102448538 B      | 20150506         | CN201080022872     | 20100405         |
| EP2413785 A1       | 20120208         | EP20100759546      | 20100405         |
| EP2413785 A4       | 20141210         | EP20100759546      | 20100405         |
| EP2414032 A1       | 20120208         | EP20100759539      | 20100405         |
| EP2414032 A4       | 20160810         | EP20100759539      | 20100405         |
| US2011034760 AA    | 20110210         | US20100754439      | 20100405         |
| US2011087076 AA    | 20110414         | US20100754435      | 20100405         |
| US2012214140 AA    | 20120823         | US20120457961      | 20120427         |
| US2014295390 AA    | 20141002         | US20140225230      | 20140325         |
| US8715181 BB       | 20140506         | US20120457961      | 20120427         |
| WO10115194 A1      | 20101007         | WO2010US29969      | 20100405         |
| WO10115203 A1      | 20101007         | WO2010US29987      | 20100405         |
| WO10115203 A9      | 20101125         | WO2010US29987      | 20100405         |

**Priority:**

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|-------------------------|------------------------|------------------------|
| US20090166636P 20090403 | CA20102757599 20100405 | US20100754439 20100405 |
| US20100754435 20100405  | WO2010US29987 20100405 | WO2010US29969 20100405 |
| US20120457961 20120427  | US20140225230 20140325 | CA20172757599 20170728 |

**Probable Assignee:** INTRAPACE INC

**Assignee(s):** (std): BRYNELSEN CHARLES R ; HEDMAN MIKE ; INTRAPACE INC ; PROVINCE ROSE ; HILLS MATTHEW ; VOLZING MACE ; IMRAN MIR

**Assignee(s):** GENERAL ELECTRIC CAPITAL AGENT AS CORP ; GENERAL ELECTRIC CAPITAL CORP ; HEALTHCARE FINANCIAL SOLUTIONS LLC SUCCESSOR AGENT AS

**Inventor(s):** (std): BRYNELSEN CHARLES R ; HEDMAN MIKE ; HILLS MATTHEW ; IMRAN MIR ; MACE VOLZING ; MATTHEW HILLS ; MIKE HEDMAN ; MIR IMRAN ; PROVINCE ROSE ; ROSE PROVINCE ; VOLZING MACE

**Agent(s):** SPRUSON AND FERGUSON; SMART AND BIGGAR; CLARK JANE ANNE; INTRAPACE AND TOWNSEND AND TOWNSEND AND CREW LLP; KILPATRICK TOWNSEND AND STOCKTON LLP; BARRISH MARK D ET AL

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL

IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT  
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SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

**Title:** INFUSION PUMP APPARATUS, **METHOD** AND SYSTEM

**Abstract:** An infusion pump system is disclosed. The infusion pump system includes an infusion pump and a controller device in wireless communication with the infusion pump, wherein the controller including instructions for controlling the infusion pump, wherein the instructions may be synchronized with a secure web portal.

**Classifications:**

**International (ipc 8-9):** A61B5/00 A61B5/145 A61J1/20 A61M1/00 A61M1/36 A61M39/24 A61M39/26 A61M5/00 A61M5/14 A61M5/142 A61M5/145 A61M5/168 A61M5/172 A61M5/38 A61M5/44 A61M5/50 B01D19/00 G06F19/00 H04B5/00 H04L29/06 H04L9/08 (Advanced/Invention);

A61M5/14 A61M5/168 A61M5/44 (Advanced/Non-invention)

**CPC:** A61M5/1723 A61B5/14532 A61B5/742 A61M2005/1726

A61M2205/3553 A61M2230/201 H04B5/0031 H04B5/0037 G06F19/3468 A61B5/0022 A61M2205/8206 A61M2205/8256

A61M2209/086 G06F19/3418 A61M2205/3389 A61M2005/1402

A61M2005/14264 A61M2205/3569 A61M2205/502 A61M2205/505

A61M2205/52 A61M5/445 A61M5/5086 A61M5/385 A61M2205/18

A61M2005/16863 A61M2205/702 A61M5/14244 A61M5/1684

Y02A90/26 A61M5/14248 A61M5/16831 A61M5/16886 A61M5/44

A61M2205/332 A61M2205/3358 A61M2205/3368 A61M2205/3372

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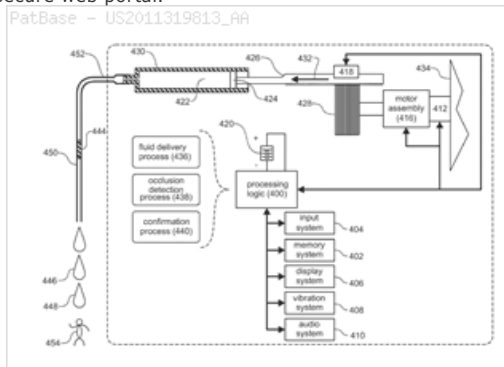
**European:** A61M5/142P K61M205/33P14 K61M205/33T K61M205/33T2 K61M205/35R2 K61M205/35T2

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K61M205/50A1 K61M205/52 K61M205/70 K61M205/75D K61M209/04F K61M5/142P4 K61M5/14A6 K61M5/168D K61M5/168M

K61M5/44

**US:** 600/365 604/113 604/113P 604/151 604/151S 604/504 604/506 604/66 604/66P



**Family:**

| Publication number | Publication date | Application number | Application date |
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| CA2789141 AA       | 20110811         | CA20112789141      | 20110204         |
| CA2859561 AA       | 20140616         | CA20122859561      | 20121221         |
| CA2900205 AA       | 20150804         | CA20142900205      | 20140205         |
| CN105144170 A      | 20151209         | CN201480013814     | 20140205         |
| DE602011031430 D1  | 20161124         | DE201160031430T    | 20110204         |
| EP2531232 A2       | 20121212         | EP20110710583      | 20110204         |
| EP2531232 B1       | 20161019         | EP20110710583      | 20110204         |
| EP2793974 A1       | 20141029         | EP20120860737      | 20121221         |
| EP2793974 A4       | 20150909         | EP20120860737      | 20121221         |
| EP2954443 A2       | 20151216         | EP20140705014      | 20140205         |
| IN05280CN2015 A    | 20160831         | IN2015CN05280      | 20150901         |
| JP2013518682 T2    | 20130523         | JP20120552110T     | 20110204         |
| JP2015134235 A2    | 20150727         | JP20150091086      | 20150428         |
| JP2015506738 T2    | 20150305         | JP20140548957T     | 20121221         |
| JP2016512442 T2    | 20160428         | JP20150556251T     | 20140205         |
| JP2017109141 A2    | 20170622         | JP20170036158      | 20170228         |
| JP6150523 B2       | 20170621         | JP20120552110T     | 20110204         |
| MX2014007752 A1    | 20150204         | MX20140007752      | 20121221         |
| MX2015010158 A1    | 20160621         | MX20150010158      | 20140205         |
| US2011319813 AA    | 20111229         | US20110021000      | 20110204         |
| US2012035543 A2    | 20120209         | US20110021369      | 20110204         |
| US2012238851 AA    | 20120920         | US20110332896      | 20111221         |
| US2015011970 AA    | 20150108         | US20140173359      | 20140205         |
| US2015112264 AA    | 20150423         | US20120236381      | 20121221         |
| US2017056606 AA    | 20170302         | US20160350703      | 20161114         |
| US2018008788 AA    | 20180111         | US20170692716      | 20170831         |
| US2018104406 AA    | 20180419         | US20170606940      | 20170526         |
| US9492607 BB       | 20161115         | US20110021369      | 20110204         |
| US9662438 BB       | 20170530         | US20110332896      | 20111221         |
| US9750896 BB       | 20170905         | US20110021000      | 20110204         |
| WO11097487 A2      | 20110811         | WO2011US23757      | 20110204         |
| WO11097487 A3      | 20111110         | WO2011US23757      | 20110204         |
| WO13096789 A1      | 20130627         | WO2012US71280      | 20121221         |
| WO13096789 A8      | 20140710         | WO2012US71280      | 20121221         |
| WO14123998 A2      | 20140814         | WO2014US14863      | 20140205         |
| WO14123998 A3      | 20150108         | WO2014US14863      | 20140205         |

**Priority:**

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| JP20120552110T | 20110204 | US20110021000  | 20110204 | US20110021369 | 20110204 |
| WO2011US23757  | 20110204 | US20110322896  | 20111216 | US20110332896 | 20111221 |
| JP20140548957T | 20121221 | US20120236381  | 20121221 | WO2012US71280 | 20121221 |
| US20130760988P | 20130205 | US20130842687P | 20130703 | US20140236381 | 20140131 |
| US20140173359  | 20140205 | WO2014US14863  | 20140205 | JP20150091086 | 20150428 |
| US20160350703  | 20161114 | JP20170036158  | 20170228 | US20170606940 | 20170526 |
| US20170692716  | 20170831 |                |          |               |          |

**Probable Assignee:** DEKA PRODUCTS PARTNERSHIP LTD

**Assignee(s):** (std): DEKA PRODUCTS LP ; GRAY LARRY B ; KAMEN DEAN ; DURAND KEVIN A ; BLUMBERG DAVID JR ; BLUMBERG JR DAVID ; GUAY GERALD M ; KARWIN JOHN M ; LANIER JR GREGORY R ; MANDRO MARC A ; MURPHY COLIN H ; KERWIN JOHN M ; LANIER GREGORY R JR ; PERET BOB D ; RIVINIUS GREGG W ; DEKA PRODUCTS LTD PARTNERSHIP ; LANIER GREGORY R

**Assignee(s):** BLUMBERG DAVID ; DEKA PRODUCTS PARTNERSHIP LTD ; DEKA PRODUCTS PARTNERSHIP MANCHESTER LTD ; LANIER GREGORY R ; DEKA PRODUCTS PARTNERSHIP LTD340 COMMERCIAL STREETMANCHESTERNH03101US ; DEKA PRODUCTS LIMITED PARTNERSHIP ; DEKA PRODUCTS PARTNERSHIP LTD

**Inventor(s):** (std): BLUMBERG JR DAVID ; BOB D PERET ; COLIN H MURPHY ; DAVID BLUMBERG JR ; DURAND KEVIN A ; GERALD M GUAY ; GRAY LARRY B ; GREGG W RIVINIUS ; GREGORY R LANIER JR ; GUAY GERALD M ; BLUMBERG DAVID ; BLUMBERG DAVID JR ; KAMEN DEAN ; KARWIN JOHN M ; KERWIN JOHN M ; KEVIN A DURAND ; LANIAR GREGORY R ; LANIER GREGORY R ; LANIER GREGORY R JR ; LANIER JR GREGORY R ; MANDRO MARC A ; MURPHY COLIN H ; MURPHY COLLIN H ; PERET BOB D ; PERET BOB DAVID ; RIVINIUS GREGG W

**Inventor(s):** RIVINIUS GREGG WUS ; PERET BOB DUS ; MURPHY COLLIN H CAMBRIDGE ; MURPHY COLIN HUS ; MANDRO MARC A BOW ; LANIER JR GREGORY R MANCHESTER ; LANIER GREGORY R JRUS ; KERWIN JOHN M MANCHESTER ; KERWIN JOHN MUS ; KAMEN DEAN BEDFORD ; KAMEN DEANUS ; BLUMBERG DAVID JRUS ; GUAY GERALD MUS ; GRAY LARRY B MERRIMACK ; GRAY LARRY BUS ; DURAND KEVIN A HARVARD ; DURAND KEVIN AUS

**Agent(s):** GOWLING LAFLEUR HENDERSON LLP; HERNANDEZ YORCK DIPL ING; GREENE SIMON KENNETH; MICHELLE SAQUET TEMPLE; MICHELLE SAQUET; TEMPLE MICHELLE SAQUET

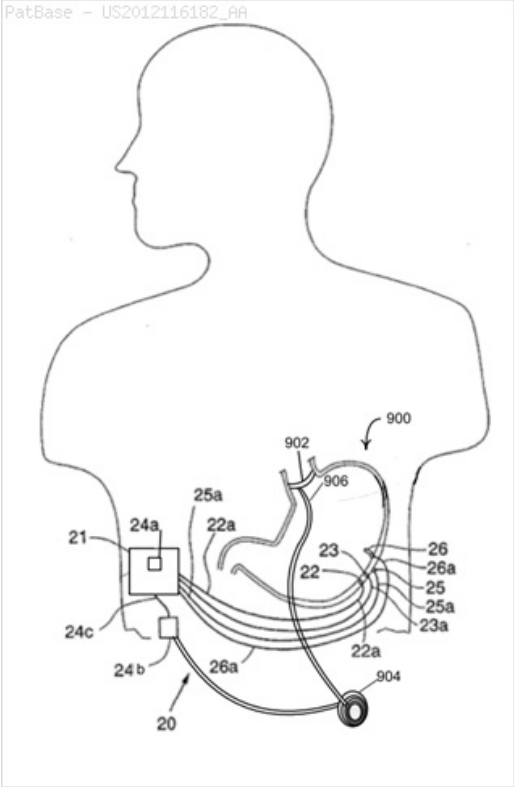
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**Title:** FEEDBACK SYSTEMS AND **METHODS** TO ENHANCE OBSTRUCTIVE AND OTHER OBESITY **TREATMENTS**, OPTIONALLY USING MULTIPLE SENSORS

**Abstract:** Feedback systems and **methods** enhance obstructive and other obesity **treatments** by presenting feedback regarding patients' actual eating. An ingestion restricting implant body can be deployed along the gastrointestinal tract. In some embodiments, ingestion alters the implant body, which, in turn, generates signals. The generated signals can be used to inhibit unhealthy ingestion by the patient. In other embodiments, the implant body can be altered by signals so as to selectable change the restriction imposed on the gastrointestinal tract, optionally in response to ingestion events, an eating schedule, or the like. The implant body may comprise a gastric band. Sensor signals may be processed to identify ingestion and/or characterize ingestion material, and the results may be displayed on a screen for a patient or coach to view.

**Classifications:**

**International (IPC 8-9):** A61B5/00 A61B5/01 A61F2/04 A61F5/00 A61N1/00 (Advanced/Invention)  
**CPC:** A61F5/0036 A61F5/005 A61F5/0069 A61F5/0059 A61F5/003 A61F5/0056 A61F2005/002 A61F2005/0023 A61F5/0026  
**European:** A61F5/00B6B A61F5/00B6F A61F5/00B6G A61F5/00B6H  
**US:** 1/1 600/301 600/301P 600/37 600/37S 607/41



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2012116182 AA    | 20120510         | US20110250757      | 20110930         |
| US2015094526 AA    | 20150402         | US20140563686      | 20141208         |
| US2016206457 AA    | 20160721         | US20160988542      | 20160105         |
| US2017216069 AA    | 20170803         | US20170494243      | 20170421         |
| US8934976 BB       | 20150113         | US20110250757      | 20110930         |
| US9259342 BB       | 20160216         | US20140563686      | 20141208         |
| US9662240 BB       | 20170530         | US20160988542      | 20160105         |
| WO12045030 A2      | 20120405         | WO2011US54402      | 20110930         |
| WO12045030 A3      | 20120816         | WO2011US54402      | 20110930         |

**Priority:**

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|----------------|----------|---------------|----------|----------------|----------|
| US20040950345  | 20040923 | US20080145430 | 20080624 | US20080122315P | 20081212 |
| US20090166636P | 20090403 | US20090637452 | 20091214 | US20100388900P | 20101001 |
| US20110250757  | 20110930 | US20140563686 | 20141208 | US20160988542  | 20160105 |
| US20170494243  | 20170421 |               |          |                |          |

**Probable Assignee:** INTRAPACE INC

**Assignee(s):** (std): BRYNELSEN CHARLES R ; IMRAN MIR ; INTRAPACE INC ; PROVINCE ROSE ; POTOSKY JOHN C ; WONG KEN

**Assignee(s):** GENERAL ELECTRIC CAPITAL AGENT AS CORP ; GENERAL ELECTRIC CAPITAL CORP ; HEALTHCARE FINANCIAL SOLUTIONS LLC SUCCESSOR AGENT AS

**Inventor(s):** (std): BRYNELSEN CHARLES R ; IMRAN MIR ; POTOSKY JOHN C ; PROVINCE ROSE ; WONG KEN

**Agent(s):** KILPATRICK TOWNSEND AND STOCKTON LLP; LOOS BRADLEY J ET AL

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT 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

Title: **METHODS** OF ASSESSING **DIABETES TREATMENT** PROTOCOLS BASED ON PROTOCOL COMPLEXITY LEVELS AND PATIENT PROFICIENCY LEVELS

**Abstract:** Embodiments of **methods** of assessing a **diabetes treatment** protocol comprise determining a protocol complexity level corresponding to a degree of difficulty of completing the **diabetes treatment** protocol by utilizing the **processor**, determining a patient proficiency level corresponding to a skill set of the patient in conducting the **diabetes treatment** protocol by utilizing the **processor**, comparing the protocol complexity level to the patient proficiency level via the **processor**, and providing an output based on the comparison.

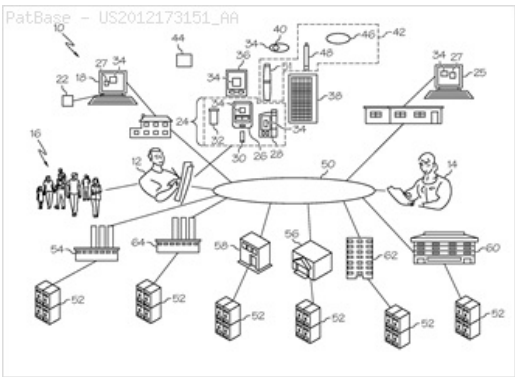
**Classifications:**

**International (IPC 8-9):** G06F19/00 G06Q10/06 (Advanced/Invention)

**CPC:** G06F19/325 G06Q10/063112 G06F19/3456 G06F19/3468 G06F19/00

**European:** G06F19/34L S06F19/34L3

**US:** 702/19 702/19P 705/2



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| EP2659407 A1       | 20131106         | EP20110807644      | 20111222         |
| US2012173151 AA    | 20120705         | US20100980652      | 20101229         |
| US2017011176 AA    | 20170112         | US20160270385      | 20160920         |
| WO12089318 A1      | 20120705         | WO2011EP06506      | 20111222         |

**Priority:**

US20100980652 20101229      WO2011EP06506 20111222      US20160270385 20160920

**Probable Assignee:** ROCHE DIABETES CARE INC

**Assignee(s):** (std): GALLEY PAUL J ; HASKER DAVID ; HOFFMANN LA ROCHE ; ROCHE DIAGNOSTICS OPERATIONS ; ROCHE DIAGNOSTICS GMBH ; WEINERT STEFAN ; PORSCH ULRICH ; ROCHE DIABETES CARE INC

**Assignee(s):** ROCHE DIAGNOSTICS OPERATIONS INC ; F HOFFMANN LA ROCHE AG ; HOFFMANN LA ROCHE AG

**Inventor(s):** (std): GALLEY PAUL J ; HASKER DAVID ; PORSCH ULRICH ; WEINERT STEFAN

**Agent(s):** ROCHE DIAGNOSTICS GMBH

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

**Title:** SYSTEMS AND **METHODS** FOR LEVERAGING SMARTPHONE FEATURES IN CONTINUOUS **GLUCOSE** MONITORING

**Abstract:** The present embodiments harness a wide variety of capabilities of modern smartphones, and combine these capabilities with information from a continuous **glucose** monitor to provide diabetics and related people with more information than the continuous **glucose** monitor can provide by itself. The increased information provides the diabetic with an increased likelihood of good **diabetes** management for better health.

**Classifications:**

**International (IPC 8-9):** A61B5/00 A61B5/145

G06F19/00 (Advanced/Invention)

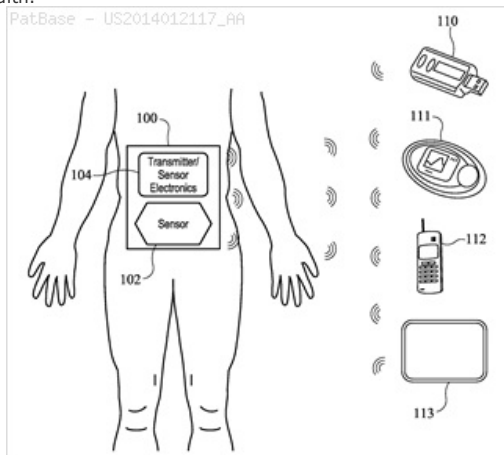
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G16H40/63 G06F19/00

**US:** 600/365 702/19



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2013288981 AA    | 20140116         | AU20130288981      | 20130703         |
| AU2013288981 BB    | 20151126         | AU20130288981      | 20130703         |
| AU2015268596 AA    | 20160107         | AU20150268596      | 20151209         |
| CA2867335 AA       | 20140912         | CA20132867335      | 20130703         |
| CN104781820 A      | 20150715         | CN201380022831     | 20130703         |
| EP2870555 A2       | 20150513         | EP20130745489      | 20130703         |
| US2014012117 AA    | 20140109         | US20130802237      | 20130313         |
| US2014012118 AA    | 20140109         | US20130802317      | 20130313         |
| US2014012510 AA    | 20140109         | US20130801445      | 20130313         |
| US2014012511 AA    | 20140109         | US20130802424      | 20130313         |
| US2016066843 AA    | 20160310         | US20150940070      | 20151112         |
| WO14011488 A2      | 20140116         | WO2013US49364      | 20130703         |

**Priority:**

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|-------------------------|------------------------|------------------------|
| US20120669574P 20120709 | US20130802237 20130313 | US20130801445 20130313 |
| US20130802317 20130313  | US20130802424 20130313 | AU20130288981 20130703 |
| WO2013US49364 20130703  | US20150940070 20151112 | AU20150268596 20151209 |

**Probable Assignee:** DEXCOM INC

**Assignee(s):** (std): DEXCOM INC

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**Inventor(s):** (std): BOWMAN LEIF ; BOWMAN LEIF N ; BHAVARAJU NARESH C ; CARLTON ALEXANDRA LYNN ; COHEN ERIC ; DERENZY DAVID ; ESTES MICHAEL J ; GARCIA ARTURO ; GAUBA LNDIRAWATI ; HALL ASHLEY ; GAUBA INDRAWATI ; HALL THOMAS ; HAMPAPURAM HARI ; KAZALBASH MURRAD ; HAMPAPURAM HARI ; MAHALINGAM AARTHI ; MENSINGER MICHAEL ROBERT ; PRYOR JACK ; RACK GOMER ANNA LEIGH ; REIHMAN ELI ; SAN VICENTE KENNETH ; SIMPSON PETER C ; STEELE ALEXANDER ; VALDES JORGE

**Inventor(s):** VALDES JORGEUS ; STEELE ALEXANDERUS ; SIMPSON PETER CUS ; SAN VICENTE KENNETHUS ; REIHMAN ELIUS ; RACK GOMER ANNA LEIGHUS ; PRYOR JACKUS ; MENSINGER MICHAEL ROBERTUS ; MAHALINGAM AARTHIUS ; HAMPAPURAM HARIUS ; KAZALBASH MURRADUS ; HALL THOMASUS ; GAUBA INDRAWATIUS ; HALL ASHLEYUS ; GARCIA ARTUROUS ; ESTES MICHAEL JUS ; DERENZY DAVIDUS ; COHEN ERICUS ; CARLTON ALEXANDRA LYNNUS ; BHAVARAJU NARESH CUS ; BOWMAN LEIF NUS

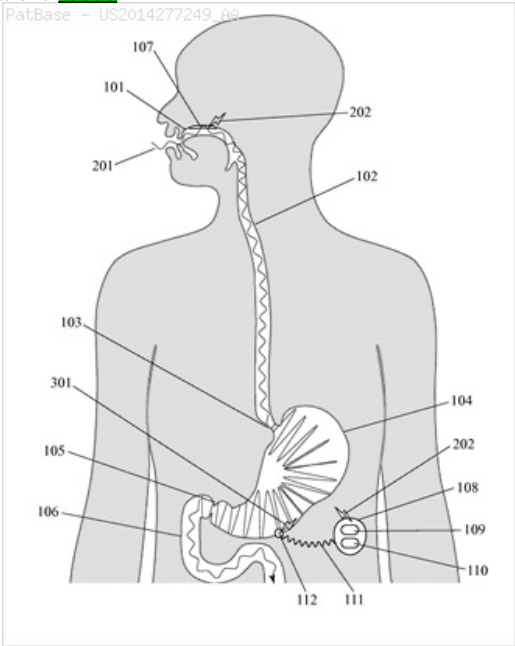
**Agent(s):** FB RICE; FB RICE PTY LTD; REGEHR HERBERT B; BULL HOUSSEY AND TUPPER LLP; HOFFMANN EITLE; MILLER KIMBERLY J

**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

**Title:** SELECTIVELY REDUCING EXCESS CONSUMPTION AND/OR ABSORPTION OF UNHEALTHY **Food** USING ELECTRICAL STIMULATION

**Abstract:** This invention can be embodied in a device and **method** for selectively reducing a person's excess consumption of one or more selected (unhealthy) nutrients, or **foods** containing such nutrients, using electrical stimulation. When embodied as a device, this invention includes a specific-nutrient-identifying sensor, a gastrointestinal electrical stimulator, and a cumulative-nutrient-consumption regulator. This invention provides reduced excess consumption of unhealthy nutrients and **foods**, while still allowing normal consumption of healthy nutrients and **foods**.

**Classifications:**  
**International (IPC 8-9):** A61F5/00 (Advanced/Invention)  
**CPC:** A61F5/0076 A61F5/0026 A61F5/0046  
**US:** 607/40



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2014277249 AA    | 20140918         | US20130797972      | 20130312         |

**Priority:**  
US20130797972 20130312

|                            |                 |
|----------------------------|-----------------|
| <b>Probable Assignee:</b>  | CONNOR ROBERT A |
| <b>Assignee(s):</b> (std): | CONNOR ROBERT A |
| <b>Inventor(s):</b> (std): | CONNOR ROBERT A |

**Title:** SYSTEM AND **METHOD** FOR MODE SWITCHING

**Abstract:** Systems and **methods** described provide dynamic and intelligent ways to change the required level of user interaction during use of a monitoring device. The systems and **methods** generally relate to real time switching between a first or initial mode of user interaction and a second or new mode of user interaction. In some cases, the switching will be automatic and transparent to the user, and in other cases user notification may occur. The mode switching generally affects the user's interaction with the device, and not just internal processing. The mode switching may relate to calibration modes, data transmission modes, control modes, or the like.

**Classifications:**

**International (IPC 8-9):** A61B5/00 A61B5/145 A61B5/1455

A61B5/1486 A61B5/1495 A61M5/172 (Advanced/Invention)

**CPC:** A61B5/14532 A61B5/1455 A61B5/1486 A61B5/746

A61B5/7282 A61B5/7221 A61M5/1723 A61B2560/0223

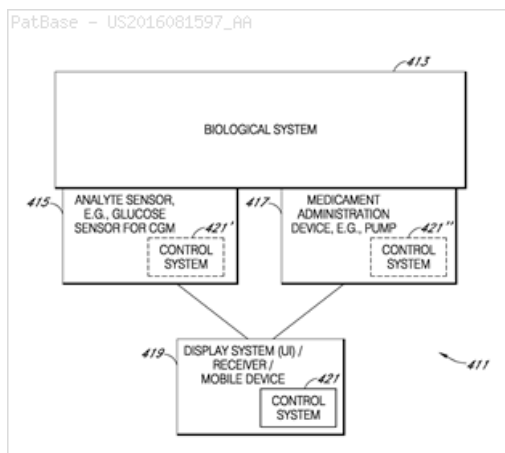
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A61B5/7435 A61B2560/0487 A61B5/14546 A61B5/0002 A61B5/7275

A61B5/14503 A61B5/742 A61B5/7475 A61B5/1495 G16H40/40

G16H40/63 Y02A90/26 G06F19/00

**US:** 600/365 604/504 604/66



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2015320803 AA    | 20160331         | AU20150320803      | 20150922         |
| CA2953577 AA       | 20161222         | CA20152953577      | 20150922         |
| EP3197356 A1       | 20170802         | EP20150778109      | 20150922         |
| US2016081597 AA    | 20160324         | US20150862079      | 20150922         |
| US2016106350 AA    | 20160421         | US20150975444      | 20151218         |
| US2016113557 AA    | 20160428         | US20150975310      | 20151218         |
| US2016113558 AA    | 20160428         | US20150975437      | 20151218         |
| US2016198988 AA    | 20160714         | US20160060401      | 20160303         |
| WO16049080 A1      | 20160331         | WO2015US51548      | 20150922         |

**Priority:**

|                |          |               |          |               |          |
|----------------|----------|---------------|----------|---------------|----------|
| US20140053733P | 20140922 | US20150862079 | 20150922 | WO2015US51548 | 20150922 |
| US20150975444  | 20151218 | US20150975310 | 20151218 | US20150975437 | 20151218 |
| US20160060401  | 20160303 |               |          |               |          |

**Probable Assignee:** DEXCOM INC

**Assignee(s):** (std): DEXCOM INC

**Assignee(s):** HAMPAPURAM HARI ; KAMATH APURV ULLAS ; KOEHLER KATHERINE YERRE ; SIMPSON PETER C ; HUGHES JONATHAN ; JEPSON LAUREN HRUBY ; RACK GOMER ANNA LEIGH ; VANSLYKE STEPHEN J ; BHAVARAJU NARESH C ; BLOOM MICHAEL A ; BOWMAN LEIF N ; CARLTON ALEXANDRA LYNN

**Inventor(s):** (std): BHAVARAJU NARESH C ; BLOOM MICHAEL A ; BOWMAN LEIF N ; CARLTON ALEXANDRA LYNN ; DAVIS ANNA LEIGH ; HAMPAPURAM HARI ; HUGHES JONATHAN ; JEPSON LAUREN HRUBY ; KAMATH APURV ULLAS ; KAMATH APURV ULLAS ; KARNATH APURV ULLAS ; KOEHLER KATHERINE YERRE ; RACK GOMER ANNA LEIGH ; SIMPSON PETER C ; VANSLYKE STEPHEN J ; GRUBSTEIN KATHERINE YERRE

**Agent(s):** FB RICE; FB RICE PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP; HOFFMANN EITLE; ALTMAN DANIEL E

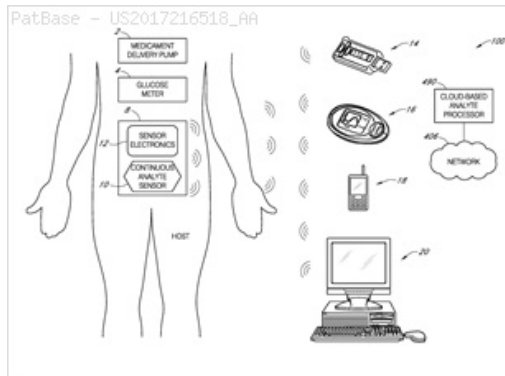
**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT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

**Title:** SYSTEM AND **METHOD** FOR DECISION SUPPORT USING LIFESTYLE FACTORS

**Abstract:** Systems and **methods** are provided relating to open loop decision-making for management of **diabetes**. People with **diabetes** face many problems in controlling their **glucose** because of the complex interactions between **food**, insulin, exercise, stress, activity, and other physiological and environmental conditions. Established principles of management of **glucose** sometimes are not adequate because there is a significant amount of variability in how different conditions impact different individuals and what actions might be effective for them. Accordingly, systems and **methods** according to present principles minimize the impact of the vagaries of **diabetes** on individuals, i.e., by looking for patterns and tendencies of an individual and customizing the management to that individual. Consequently, the same reduces the uncertainty that **diabetes** typically is associated with and improves quality of life.

**Classifications:**

**International (IPC 8-9):** A61B5/00 A61B5/145 A61M5/142 A61M5/20 G01N33/66 G06F19/00 G06N5/04 G06N99/00 (Advanced/Invention)  
**CPC:** A61M5/14244 A61B5/14532 A61B5/14503 A61B5/0015 G06N5/048 A61M2205/502 A61M5/142 G06F19/3468 G06N99/005 G06Q10/109 A61M2005/14208 G06F19/3481 G06F19/3418 A61B5/4839 A61B5/7264 A61M5/20 G16H40/63 G16H50/20 Y02A90/26 A61M2205/581 G06F19/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2017216393 AA    | 20170810         | AU20170216393      | 20170126         |
| US2017216518 AA    | 20170803         | US20170417107      | 20170126         |
| US2017220750 AA    | 20170803         | US20170417008      | 20170126         |
| US2017220751 AA    | 20170803         | US20170417147      | 20170126         |
| WO17136218 A1      | 20170810         | WO2017US15125      | 20170126         |
| WO17136218 A8      | 20180315         | WO2017US15125      | 20170126         |

**Priority:**

US20160289825P 20160201 US20170417008 20170126 US20170417107 20170126  
 US20170417147 20170126 WO2017US15125 20170126

**Probable Assignee:** DEXCOM INC

**Assignee(s):** (std): DEXCOM INC

**Inventor(s):** (std): BHAVARAJU NARESH C ; BLACKWELL JENNIFER ; CONSTANTIN ALEXANDRA ELENA ; CABRERA JR ESTEBAN ; BOWMAN LEIF N ; CABRERA ESTEBAN ; DAVIS ANNA LEIGH ; KOEHLER KATHERINE YERRE ; DRAEGER RIAN ; JEPSON LAUREN HRUBY ; DATTARAY BASAB ; HEINTZMAN NATHANIEL DAVID ; KAMATH APURV ULLAS ; CONSTANTIN ALEXANDRE ELENA ; REIHMAN ELI ; WALKER TOMAS C ; PAL ANDREW ATTILA

**Agent(s):** FB RICE PTY LTD; ALTMAN DANIEL E

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA 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

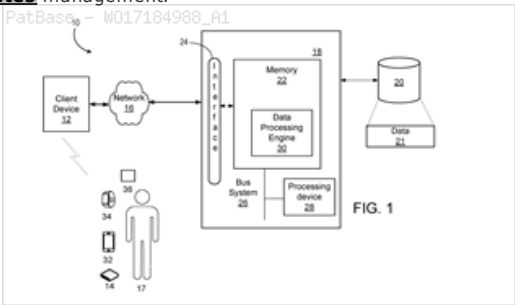
Title: **METHODS** AND SYSTEMS FOR MANAGING **DIABETES**

**Abstract:** This disclosure relates to systems and **methods** for **diabetes** management.

**Classifications:**

**International (IPC 8-9):** A61B5/00 A61M5/172  
G06F19/00 (Advanced/Invention)

**CPC:** A61B5/00 A61M5/172 G06F19/00 A61B5/14532 A61B5/4839  
A61B5/7275 A61M5/142 A61M2205/50 A61M2205/502  
A61M2230/201



Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| WO17184988 A1      | 20171026         | WO2017US28860      | 20170421         |

Priority:

US20160326496P 20160422

**Probable Assignee:** CHILDREN S MEDICAL CENTER CORP

**Assignee(s):** (std): CHILDREN S MEDICAL CENTER CORP ; JOSLIN DIABETES CENTER INC

**Inventor(s):** (std): AGUS MICHAEL ; ORTIZ RUBIO PAULINA ; STEIL GARY ; WOLPERT HOWARD

**Agent(s):** LIN PENG ET AL

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA 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

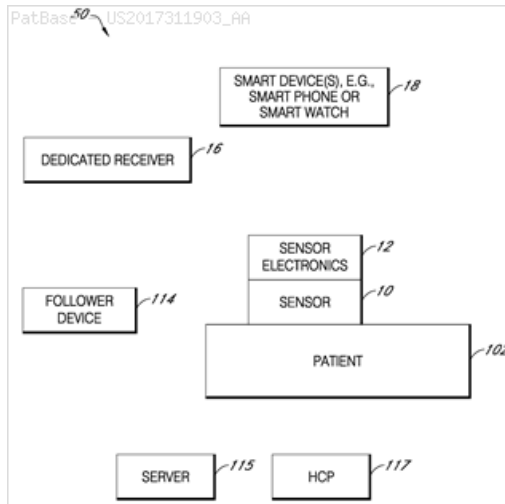
**Title:** SYSTEM AND **METHOD** FOR PROVIDING ALERTS OPTIMIZED FOR A USER

**Abstract:** Systems and **methods** are disclosed that provide smart alerts to users, e.g., alerts to users about diabetic states that are only provided when it makes sense to do so, e.g., when the system can predict or estimate that the user is not already cognitively aware of their current condition, e.g., particularly where the current condition is a diabetic state warranting attention. In this way, the alert or alarm is personalized and made particularly effective for that user. Such systems and **methods** still alert the user when action is necessary, e.g., a **bolus** or temporary basal rate change, or provide a response to a missed **bolus** or a need for correction, but do not alert when action is unnecessary, e.g., if the user is already estimated or predicted to be cognitively aware of the diabetic state warranting attention, or if corrective action was already taken.

**Classifications:**

**International (IPC 8-9):** A61B5/00 A61B5/024 A61B5/11 A61B5/145 A61B5/16 A61M5/142 A61M5/172 G06F19/00 G06N5/04 G06N99/00 G08B21/04 H04M1/725 (Advanced/Invention)

**CPC:** H04M1/7253 G08B21/0453 G06F19/3418 G06N99/005 A61B5/4866 A61B5/024 G06N5/043 A61B5/14546 A61B5/0022 A61B5/14532 G06F19/345 A61B5/165 A61B5/14517 G06F19/3468 A61B5/1112 Y02A90/26 G16H50/20 A61M2230/201 A61M2205/18 A61M2205/8206 A61M2205/52 A61M2205/3584 A61M2205/502 A61M2205/582 A61M2205/581 A61M2205/50 A61M5/1723 A61B5/746 G06F19/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2017311903 AA    | 20171102         | US20170582057      | 20170428         |
| US2017311904 AA    | 20171102         | US20170582467      | 20170428         |
| US2017347971 AA    | 20171207         | US20170684361      | 20170823         |
| US2018126074 AA    | 20180510         | US20170582266      | 20170428         |
| US9974903 BA       | 20180522         | US20170582266      | 20170428         |
| WO17192397 A1      | 20171109         | WO2017US30219      | 20170428         |
| WO17192397 A8      | 20180412         | WO2017US30219      | 20170428         |

**Priority:**

US20160330729P 20160502 US20170582057 20170428 US20170582467 20170428  
US20170582266 20170428 US20170684361 20170823

**Probable Assignee:** DEXCOM INC

**Assignee(s):** (std): DEXCOM INC

**Inventor(s):** (std): HARLEY TROCHIMCZYK ANN ; KOHLER KATHERINE YERRE ; MANDAPAKA ADITYA ; MORRIS GARY ; WILEY ATIIM JOSEPH ; WEST BENJAMIN ELROD ; WALKER TOMAS C ; VOGEL MATTHEW T ; VANSLYKE STEPHEN J ; SMITH DANIEL ; SIMPSON PETER C ; SCHUNK SOFIE WELLS ; RINDFLEISCH ASHLEY ANNE ; REIHMAN ELI ; PUPA PHILIP THOMAS ; POLYTARIDIS NICHOLAS ; PAL ANDREW ATTILA ; PAI SUBRAI GIRISH ; MORRIS GARY A ; MARSH SAMUEL JERE ; MANDAPAKA ADITYA SAGAR ; KOEHLER KATHERINE YERRE ; KAMATH APURV ULLAS ; JEPSON LAUREN HRUBY ; JACKSON ANDREA J ; HEINTZMAN NATHANIEL DAVID ; HARLEY TROCHIMCZYK ANNA CLAIRE ; HANNEMANN CHRISTOPHER ROBERT ; HAMPAPURAM HARI ; HALL THOMAS ; GARCIA ARTURO ; GABLE GARY BRIAN ; DUNN LAURA J ; DRAEGER RIAN ; DAVIS ANNA LEIGH ; CONSTANTIN ALEXANDRA ELENA ; CASTILLO RITA M ; BOWMAN LEIF N ; BHAVARAJU NARESH C ; BELLIVEAU SCOTT M

**Agent(s):** KNOBBE MARTENS OLSON AND BEAR LLP; ALTMAN DANIEL E

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA 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

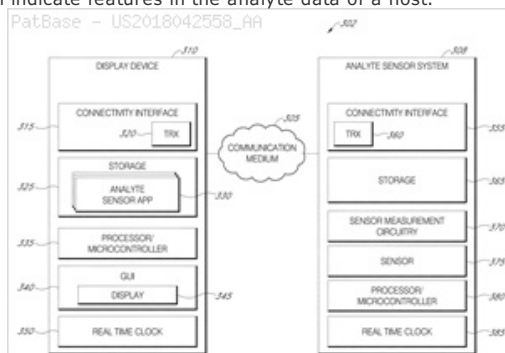
**Title:** SYSTEMS AND **METHODS** FOR HEALTH DATA VISUALIZATION AND USER SUPPORT TOOLS FOR CONTINUOUS **GLUCOSE** MONITORING

**Abstract:** Disclosed are systems and **methods** for generating graphical displays of analyte data and/or health information. In some implementations, the graphical displays are generating based on a self-referential dataset that are modifiable based on identified portions of the data. The modified graphical displays can indicate features in the analyte data of a host.

**Classifications:**

**International (IPC 8-9):** A61B5/00 A61B5/145 A61M31/00 A61M37/00 G06F17/18 G06F19/00 G06F19/22 G06F3/0484 G06F3/0488 (Advanced/Invention)

**CPC:** A61B5/7275 G06F3/0488 A61B5/14532 G06F19/326 G06F17/18 G06F3/0484 G06F17/30 G06F1/163 G06F3/04847 A61B5/0022 A61B5/743 A61B5/746 G06F19/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2018042558 AA    | 20180215         | US20170674442      | 20170810         |
| US2018042559 AA    | 20180215         | US20170674462      | 20170810         |
| WO18031803 A1      | 20180215         | WO2017US46343      | 20170810         |

**Priority:**

US20160374539P 20160812      US20170674442 20170810      US20170674462 20170810

**Probable Assignee:** DEXCOM INC

**Assignee(s):** (std): DEXCOM INC

**Inventor(s):** (std): ARMENTA LAUREN DANIELLE ; BELLIVEAU SCOTT M ; BLACKWELL JENNIFER ; BOWMAN LEIF N ; CABRERA ESTEBAN ; CABRERA JR ESTEBAN ; DRAEGER RIAN ; GARCIA ARTURO ; GOLDSMITH TIMOTHY JOSEPH ; GRAY JOHN MICHAEL ; JACKSON ANDREA JEAN ; JACKSON ANDREW JEAN ; KAMATH APURV ULLAS ; KOEHLER KATHERINE YERRE ; KRAMER PAUL ; MANDAPAKA ADITYA SAGAR ; MENSINGER MICHAEL ROBERT ; MIKAMI SUMITAKA ; MORRIS GARY A ; NIRMAL HEMANT MAHENDRA ; NOBLE CAMPBELL PAUL ; PUPA PHILIP THOMAS ; REIHMAN ELI ; SIMPSON PETER C ; SMITH BRIAN CHRISTOPHER ; WILEY ATIIM JOSEPH

**Agent(s):** ALTMAN DANIEL E

**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