

Search history

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1:

Search [SP]: equipo de guiado dinámico presente invención se refiere a un equipo de guiado dinámico consistente en una pluralidad de encapsulados o carcassas orientables ubicadas linealmente en serie, las cuales albergan pantallas o placas pcb de led, y en el que dichas placas están gestionadas externamente por un controlador electrónico, estando todo el cableado de conexión protegido y oculto en las propias carcassas o encapsulados que protegen a las placas. el campo de aplicación de la presente invención es el sector de los sistemas de seguridad y guiado en casos de emergencia o señalización, y más concretamente esta dirigido a dichos sistemas que se basan o requieren de equipos de iluminación. (Results 0)

Search fn=(65963318) (Results 1)

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Search [SP]: equipo de guiado dinámico presente invención se refiere a un equipo de guiado dinámico consistente en una pluralidad de encapsulados o carcassas orientables ubicadas linealmente en serie, las cuales albergan pantallas o placas pcb de led, y en el que dichas placas están gestionadas externamente por un controlador electrónico, estando todo el cableado de conexión protegido y oculto en las propias carcassas o encapsulados que protegen a las placas. el campo de aplicación de la presente invención es el sector de los sistemas de seguridad y guiado en casos de emergencia o señalización, y más concretamente esta dirigido a dichos sistemas que se basan o requieren de equipos de iluminación. (Results 0)

Search [SP]: *** warning: ocr data - may be incomplete ***** please email the publication number to patbase@rws.com of any affected text for review ***campo de la invención la presente invención se refiere a un equipo de guiado dinámico consistente en una pluralidad de encapsulados o carcassas orientables ubicadas linealmente en serie, las cuales albergan pantallas o placas pcb de led, y en el que dichas placas están gestionadas externamente por un controlador electrónico, estando todo el cableado de conexión protegido y oculto en las propias carcassas o encapsulados que protegen a las placas. el campo de aplicación de la presente invención es el sector de los sistemas de seguridad y guiado en casos de emergencia o señalización, y más concretamente esta dirigido a dichos sistemas que se basan o requieren de equipos de iluminación. estado de la técnica la señalización y guiado de emergencia es un elemento de seguridad que en la actualidad cualquier persona y la sociedad en su conjunto lo considera como necesario. en este sentido existe una enorme variedad de elementos luminosos ubicados en lugares cerrados cuya función es la de proteger la integridad física de las personas o usuarios de ese lugar, y permite evacuar o dirigir a dichas personas hacia un lugar seguro. a grandes rasgos se puede señalar como conocidos los sistemas de señalización consistentes en rótulos luminosos o señales fotoluminiscentes, que son elementos estáticos, y que por lo general cualquier persona tiene que estar próxima dicha señal para poder visualizarla. esta tipología de señalización tiene la problemática de que en algunas situaciones de emergencia con estados de nerviosismo y ansiedad puede llegar a ser difícil de interpretar, y es también común que en un estado de tensión cualquier persona pueda encontrarse con dos señales en un mismo punto que pueda considerar que son contradictorias o que le indican dirigirse a en dos sentidos diferentes. también se conoce la existencia de bandas electroluminiscentes, que son elementos estáticos y de bajo flujo luminoso, que al igual que en el caso anterior, cualquier persona debe situarse próxima de dicha banda para poder visualizarlo. estos son elementos frágiles, y cualquier golpe o daño en alguna de sus partes puede originar que dejen de funcionar. 2 5 10 15 20 25 30 35 además, por lo general tampoco son estancas una vez instaladas, por tanto, se deben ubicar en lugares específicos. teniendo en cuenta estos antecedentes existentes, se puede ver que estos equipos de señalización, en momentos de pánico, pueden llegar a convertirse en indicadores de guiado hacia la zona de peligro en lugar de guiar a las personas hacia la zona de escape o de evacuación. por tanto, surge la necesidad de desarrollar soluciones que permitan obtener un elemento de guiado seguro, que asegure una correcta señalización a lo largo de un espacio adecuado de tal manera que el usuario tenga una clara señal y que gracias a esa indicación pueda salir de una situación estresante y peligrosa de una manera lógica. en este sentido, y para solucionar esta problemática, se destaca la existencia de equipos estáticos que guían a las personas hacia un punto de salida seguro, como por ejemplo lo divulgado en el registro es1074828u que trata sobre un dispositivo constituido por bandas electroluminiscentes controladas por una centralita de derivación. es cierto que esta solución introduce la posibilidad de que, ubicando una pluralidad de señales estáticas a lo largo de una longitud determinada y estando estas controladas, puedan generar una señal que haga que la persona se dirija en una dirección determinada. sin embargo, esta solución presenta el inconveniente de que, si la conexión tiene un fallo, todo el dispositivo falla, además de que no presenta una solución en la que la señal sea dinámica en su totalidad, sino que va mostrando el camino mediante la iluminación gradual de diferentes puntos o señales estáticas. también se destaca que, en ciertas infraestructuras se están colocando tiras de led sobre las barandillas o en túneles, pero estas señales luminosas cumplen con una función de señalización o iluminación de un camino en concreto, pero no dirigen o guían. esto está sucediendo por ejemplo en instalaciones ferroviarias y en túneles. habida cuenta de los antecedentes existentes en el estado de la técnica, surge la necesidad de desarrollar una solución que permita señalar con anticipación, y de manera dinámica y directiva, los pasillos o recorridos de evacuación y/o las salidas de emergencia. por esta razón se desarrolla el equipo de guiado dinámico objeto de la presente memoria descriptiva, con el que se consigue un equipo lineal que permite la visualización de la indicación desde diferentes puntos del recorrido del local, galería, túnel o lugar de ubicación del equipo desarrolla un 3 5 10 15 20 25 30 35 equipo luminoso que facilita su visualización en estancias poco o nula iluminación presenta una señalización dinámica con efectos visuales que facilitan las indicaciones, dado que una indicación en movimiento es mejor interpretada que una estática presenta un equipo que de señalización directiva, que debido a su efecto dinámico, señala el sentido correcto del recorrido de evacuación, además con un mismo dispositivo se pueden variar las indicaciones según exigencias particulares de la situación se desarrolla una solución fácil de instalar y conectar en proyectos de construcción o rehabilitación que requiere de sistemas de señalización de recorridos de evacuación y presenta una solución que permite hacer conexiones en paralelo para sectorizar y disminuir el riesgo a que deje de señalar toda la banda instalada en caso de sufrir algún golpe o daño en algún tramo de la misma. teniendo en cuenta la problemática existente, los aspectos técnicos anteriores, los documentos y registros previos en este campo técnico, se puede decir que el equipo de guiado dinámico que a continuación se describe introduce en este sector industrial una solución nueva y versátil capaz de ser instalada en cualquier localización, que permite mostrar las indicaciones necesarias para los usuarios que se encuentran en una situación comprometida de una manera clara y que además permite con un solo equipo poder modificar dichas señales y adecuarlas a cada situación mediante un controlador externo. descripción de la invención el equipo de guiado dinámico que se detalla en la presente memoria descriptiva consiste en una pluralidad de pantallas o placas pcb de led conectadas linealmente y de manera independiente, protegidas por encapsulados, disponiendo de estos encapsulados de elementos de articulación en sus extremos longitudinales para poder acomodarse a la zona donde deben ser instalados, al igual que pueden tener elementos de giro para orientarlos o girarlos frontalmente, estando toda esta serie de bandas o placas pcb conectadas y gestionadas por un controlador exterior. entrando en detalle, las pantallas o placas pcb son elementos independientes que disponen de un chip que mediante un circuito eléctrico impreso en la propia superficie conecta con una pluralidad de puntos led, que en su conjunto forman una luminaria. este chip recibe e interpreta las órdenes recibidas desde un dispositivo controlador programable exterior, por tanto, dependiendo de las instrucciones u órdenes recibidas, el chip las procesa y los puntos led se iluminan de acuerdo a dichas órdenes recibidas. 4 5 10 15 20 25 30 35 la problemática de utilizar una única placa pcb, consiste en que trabajan de manera independiente y disponen de una superficie limitada. para poder hacer un equipo de guiado dinámico de grandes longitudes se requiere la conexión de una pluralidad de dichas placas. para que eso sea posible, se requiere de un controlador programable externo que gestione y coordine las señales enviadas a cada uno de los chips de cada una de las placas pcb. también se aprovecha una de las, a priori, debilidades del sistema, que es que cada placa pcb trabaja de manera independiente, y se aprovecha dicha independencia para que, en caso de fallo o rotura de una de las placas, el equipo en sí siga trabajando y mostrando la señal dinámica, mientras que esa placa en concreto puede ser cambiada o arreglada sin que todo el equipo se vea afectado. para proteger estas placas, se desarrolla una tipología de encapsulado que sirva de guía y protección del cableado tanto de la fuente de alimentación como del cableado proveniente del controlador externo, y que sirva como soporte de la propia placa pcb. preferentemente, el encapsulado está configurado de tal manera que la parte trasera es hueca y deja un conducto longitudinal libre para el paso de dicho cableado. para ello, el encapsulado está conformado de un perfil soporte que hace de cuerpo del encapsulado y que puede tener diversas formas, preferentemente de doble t y/o u, y que dispone de una pluralidad de nervios longitudinales de refuerzo y de acoplamiento de pletinas longitudinales, y dispone de una plancha longitudinal de separación y refuerzo dispone una pletina base longitudinal, que hace de base del encapsulado y lo cierra en su parte posterior, y para lo cual preferentemente tiene unas pestañas en sus extremos para el cierre y acoplamiento de los diferentes componentes del conjunto y en sus extremos unas tapas laterales con al menos dos aberturas para el paso del cableado a los siguientes encapsulados y placas pcb. el acoplamiento de la pletina base longitudinal en el perfil soporte genera un hueco interno, que es el aprovechado para la protección y guiado del cableado del equipo, y una superficie externa abierta para el soporte de la placa pcb. en los extremos de estos encapsulados se puede disponer de unos elementos de articulación protectores de dichos cables, de tal ma (Results 1)

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Search 11: 10 and 9 and 8 (Results 27)

Search 12: 11 and PD < 20170516 (Results 27)

Title: **LED DISPLAY** SYSTEM

Abstract: The present invention relates to a **LED display** system (10) including a **panel** (12) and detecting means (20). The **LED display** system (10) also includes means (14) for selectively varying power supply to the **panel** (12). The **panel** (12) has an array of **LEDs**. The detecting means (20) is adapted to activate or deactivate one or more of the **LEDs**.

Classifications:

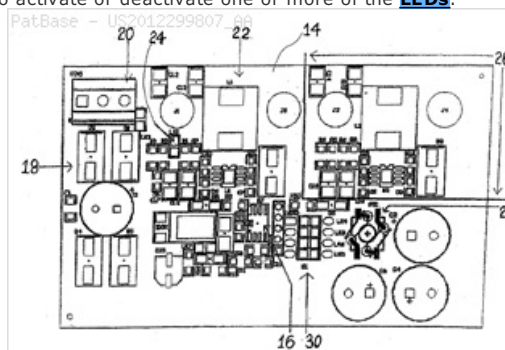
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H01L33/00 H05B33/08 H05B37/02 H5B33/08 (Advanced/Invention)

CPC: G09G2320/0626 G09G2330/02 G09G2330/045 G09G2380/06 G09G3/14 G09G2330/08 H05B33/089 H05B33/0845 H05B33/0893

European: S09G320/06L S09G330/02 S09G330/04H S09G380/06

US: 315/121 345/82



Family:

Publication number	Publication date	Application number	Application date
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CN102640565 A	20120815	CN201080050294	20100916
EP2478744 A1	20120725	EP20100816478	20100916
EP2478744 A4	20140813	EP20100816478	20100916
IN03259DN2012 A	20151023	IN2012DN03259	20120416
JP2013504880 T2	20130207	JP20120529065T	20100916
MY156862 A	20160415	MY20120700548	20100916
NZ599322 A	20130426	NZ20100599322	20100916
US2012299807 AA	20121129	US20100496734	20100916
US2016157308 AA	20160602	US20160015915	20160204
WO11032220 A1	20110324	WO2010AU01210	20100916

Priority:

AU20090904486 20090916
US20120496734 20120713

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US20160015915 20160204

WO2010AU01210 20100916

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Agent(s): ADAMS PLUCK; BORDEN LADNER GERVAIS LLP; CHAN ALLEN 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 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

Title: LED DRIVING CIRCUIT, LED DRIVING CONTROL UNIT AND TRANSISTOR SWITCH MODULE THEREOF

Abstract: An LED driving circuit is used for dimming by switching between an operating current and a maintaining current or by voltage clamping of a source/drain of MOSFET that is coupled to the LED module. When the LED module is dimmed off, the voltage across the LED module can be kept at a value around a lighting threshold voltage of the LED module that is a minimum voltage for lighting the LED module. Therefore, a voltage difference between the drain and the source of MOSFET coupled to the LED module is smaller than that in the conventional arts. Hence, a withstand voltage of MOSFET can be reduced, and cost of the LED driving circuit as well as the power consumption of MOSFET can be lessened, thereby improving integral efficiency of the circuit.

Classifications:

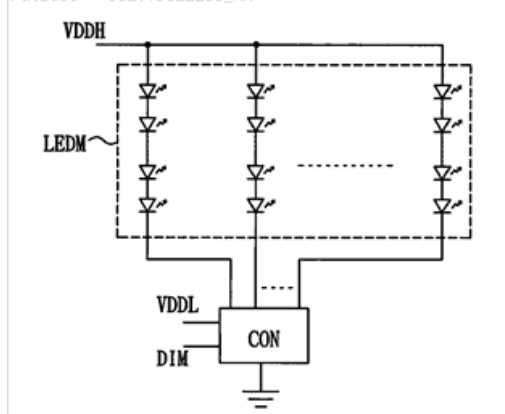
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H01L33/00 H03K17/687 H05B37/02 (Core/Invention);
H05B37/02 H05B41/282 (Core/Non-invention)

CPC: H05B33/0845 H03K17/08142 H03K17/0822 H03K2217/0036
H05B33/0812 Y02B20/345

European: H03K17/0814B H05B33/08D1C2 H05B33/08D3B
T03K17/082B T03K217/00E Y02B20/34B4B

US: 315/185.00RP 315/185R 315/185S 315/291 315/297 315/297P
315/302 315/307 315/307S 315/312 327/434 327/434S

PatBase - US2009322235_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

TW20080124585 20080630 TW20080136036 20080819 TW20080136036 20080919
TW20090119297 20090610

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TECH CO LTD

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Inventor(s): LIU, JUAN-JUAN

Agent(s): MUNCY GEISSLER OLDS AND LOWE PLLC ; KILE GOEKJIAN REED AND MCMANUS ; KILE GOEKJIAN REED
AND MCMANUS PLLC

Title: LIGHTING SYSTEM WITH POWER FACTOR CORRECTION CONTROL DATA DETERMINED FROM A PHASE MODULATED SIGNAL

Abstract: A light emitting diode (LED) lighting system includes a power factor correction (PFC) controller that determines at least one power factor correction control parameter from phase delays of a phase modulated signal. In at least one embodiment, a peak voltage of the phase modulated signal is a PFC control parameter used by the PFC controller to control power factor correction and generation of a link voltage by a PFC LED driver circuit. The phase delays are related to a peak voltage of the phase modulated signal. Thus, in at least one embodiment, detecting the phase delay in one or more cycles of the phase modulated signal allows the PFC controller to determine the peak voltage of the phase modulated signal.

Classifications:

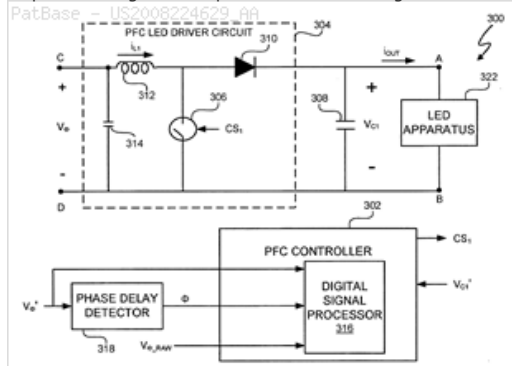
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G05F1/00 G05F1/10 G05F1/70 H02M1/00 H02M1/08 H02M3/04 H02M3/24 H02M7/12 H03K5/153 H03K7/00 H03M1/38 H03M3/00 H03M3/02 H05B33/02 H05B37/02 H05B39/00 H05B41/36 H05B41/39 (Core/Invention)

CPC: H05B33/086 H02M1/44 H03K7/08 H02M1/4208 H02M3/005 H02M2001/0022 H03M3/424 H03M3/44 H03M3/452 H03M3/454 H03M3/464 H03K17/18 H03K17/567 H03K17/687 H03K17/74 H05B33/0818 H05B33/0851 Y02B20/346 Y02B20/347 Y10S315/04 Y10S323/905 H05B33/0848 H05B33/0887 H05B33/0845 H05B33/0815 H05B33/0809 H05B37/0209 H05B37/02 Y02P80/112 Y02B70/126 H02M1/4225 H03M3/476

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Family:

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US2012194143 AA	20120802	US20120351069	20120116
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US2012286690 A9	20121115	US20120431569	20120327
US2013271027 AA	20131017	US20130917194	20130613
US2013342130 AA	20131226	US20130010087	20130826
US2014042926 AA	20140213	US20130057982	20131018
US2015173146 AA	20150618	US20150596617	20150114
US2015208484 AA	20150723	US20150676449	20150401
US7288902 BA	20071030	US20070695023	20070401
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US7667408 BB	20100223	US20070695024	20070401
US7696913 BB	20100413	US20070865036	20070930
US7719246 BB	20100518	US20070967269	20071231
US7719248 BA	20100518	US20080110714	20080428
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US7804256 BB	20100928	US20080047262	20080312
US7821237 BB	20101026	US20080107613	20080422
US7852017 BA	20101214	US20080047249	20080312
US7863828 BB	20110104	US20070967277	20071231
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US8018171 BA	20110913	US20080047258	20080312
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US8076920 BA	20111213	US20070864121	20070928
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US8174204 BB	20120508	US20080047269	20080312
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US8232736 BB	20120731	US20100858004	20100817
US8482220 BB	20130709	US20120431569	20120327
US8536794 BB	20130917	US20090474714	20090529
US8587211 BB	20131119	US20120473839	20120517
US8723438 BB	20140513	US20100781669	20100517
US8952625 BB	20150210	US20130057982	20131018
US8963449 BB	20150224	US20130917194	20130613
US9000680 BB	20150407	US20130010087	20130826
US9426866 BB	20160823	US20150676449	20150401
WO08112733 A2	20080918	WO2008US56606	20080312
WO08112733 A3	20090319	WO2008US56606	20080312
WO08112735 A2	20080918	WO2008US56608	20080312
WO08112735 A3	20090312	WO2008US56608	20080312
WO08112820 A2	20080918	WO2008US56737	20080312
WO08112820 A3	20091223	WO2008US56737	20080312
WO08112822 A2	20080918	WO2008US56739	20080312
WO08112822 A3	20090409	WO2008US56739	20080312
WO08137315 A1	20081113	WO2008US61155	20080422
WO08137652 A1	20081113	WO2008US62378	20080502
WO08137654 A1	20081113	WO2008US62381	20080502
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WO08137656 A2	20081113	WO2008US62387	20080502
WO08137656 A3	20090507	WO2008US62387	20080502
WO08137662 A1	20081113	WO2008US62398	20080502
WO08137679 A1	20081113	WO2008US62423	20080502
WO08137684 A1	20081113	WO2008US62428	20080502

Priority:

US20070894295P	20070312	US20070695023	20070401	US20070695024	20070401
US20070909458P	20070401	US20070909457P	20070401	US20070915547P	20070502
US20070864121	20070928	US20070865032	20070930	US20070865036	20070930
US20070926864	20071029	US20070967269	20071231	US20070967271	20071231
US20070967273	20071231	US20070967275	20071231	US20070967272	20071231
US20070967277	20071231	US20070967276	20071231	CN200880008121	20080312
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US20080047249	20080312	US20080047258	20080312	WO2008US56608	20080312
WO2008US56606	20080312	WO2008US56737	20080312	WO2008US56739	20080312
US20080107613	20080422	WO2008US61155	20080422	US20080110714	20080428
US20080113536	20080501	US20080114147	20080502	US20080114130	20080502
WO2008US62428	20080502	WO2008US62398	20080502	WO2008US62384	20080502
WO2008US62387	20080502	WO2008US62423	20080502	US20090474714	20090529
US20100781669	20100517	US20100858004	20100817	US20110986761	20110107

~~US20120295810~~ 20120809 ~~US20120951069~~ 20120610 ~~US20120630569~~ 20120826
US20130057982 20131018 US20150596617 20150114 US20150676449 20150401

Probable Assignee: PHILIPS LIGHTING HOLDING BV

Assignee(s): (std): CIRRUS LOGIC INC ; CIRRUS LOGIC INC US ; CIRRUS LOGICS INC ; KOST MICHAEL A ; MELANSON JOHN L ; PAULOS JOHN J ; MELANSON JOHN LAURENCE ; PHILIPS KONINKLL NV ; PHILIPS LIGHTING HOLDING BV

Inventor(s): (std): KOST MICHAEL A ; MELANSON JOHN ; PAULOS JOHN J ; MELANSON JOHN LAURENCE ; MELANSON JOHN L

Agent(s): FREEMAN JACQUELINE CAROL; VERWEIJ PETRONELLA DANIELLE; KAECK JUERGEN; HAMILTON AND TERRILE LLP; CIRRUS LOGIC INC CIRRUS LOGIC LEGAL DEPARTMENT; KENT B; STEVEN; TERRILE CANNATTI CHAMBERS AND HOLLAND LLP; CHAMBERS KENT B; LIN STEVEN

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 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 ZA ZM ZW

Title: Programmable logic **controller** with a PIC-**microcontroller**

Abstract: The SPS (speicherprogrammierbare Steuerung) has several components including **microcontrollers**, drive building blocks (IC2-5) and a network of resistors arranged on a circuit **board**. The circuit **board** has 32 digital inputs or outputs (K1-12) and there is a **microcontroller** (IC1) in the middle of the **board**, of type PIC16F877- DIL40.

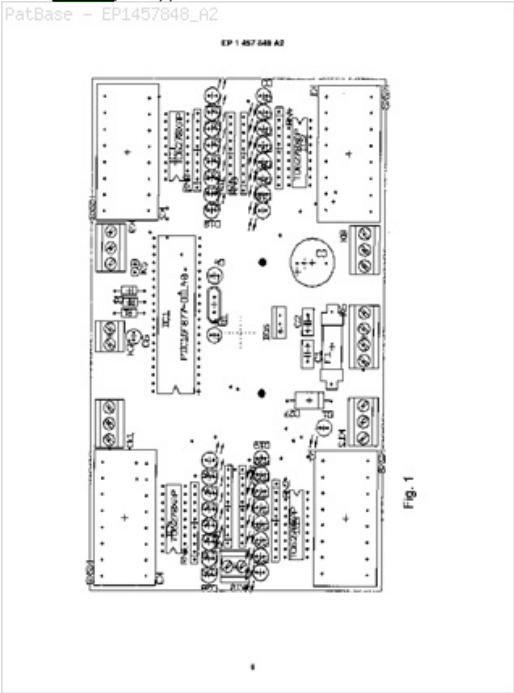
Classifications:

International (ipc 8-9): G05B19/05 (Advanced/Invention);
G05B19/05 (Core/Invention)

International (ipc 1-7): G05B19/05

CPC: G05B19/05 G05B2219/1157 G05B2219/1176 G05B2219/15053
G05B2219/15078 G05B2219/15092

European: G05B19/05 S05B219/1157 S05B219/1176
S05B219/15053 S05B219/15078 S05B219/15092



Family:

Publication number	Publication date	Application number	Application date
DE10310914 A1	20040930	DE20031010914	20030313
DE20321275 U1	20060921	DE20032021275U	20030313
EP1457848 A2	20040915	EP20040002262	20040203
EP1457848 A3	20080903	EP20040002262	20040203

Priority:

DE20031010914 20030313 DE20032021275U 20030313

Probable Assignee: KARLSRUHE FORSCHZENT

Assignee(s): (std): KARLSRUHE FORSCHZENT

Assignee(s): FORSCHUNGSZENTRUM KARLSRUHE GMBH

Inventor(s): (std): HABERMANN BERND ; GOEHLER CHRISTIAN ; FISCHER SVEN

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

Title: CONTROL SYSTEM AND CONTROL METHOD FOR INTELLIGENT SOLAR STREET LAMP

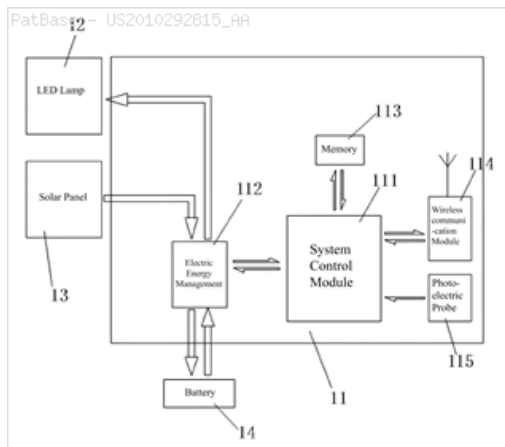
Abstract: An intelligent control system and control method for solar street lamps includes at least a single pole system and a manager with wireless communication interfaces respectively. The single pole system includes a **controller**, an **LED** lamp, a solar **panel** and a storage battery. The **controller** monitors the operating data logging and the manager modifies the parameter settings and saves the parameters in the **controller**. The control system and method provide a solution to the centralized control over the self-governed solar street lamps, and can be used to accurately **set**, control and monitor each street lamp in the whole solar street lamp system, and check the operating conditions of each street lamp, so that the managerial personnel know the running conditions of each piece of solar street lamp and find out the problems hidden in the street lamps for the purpose of repair and nipping them in the bud.

Classifications:

International (IPC 8-9): F21S9/02 F21S9/03 F21V23/00 G05B15/02 G06F17/00 G08C17/02 H02J7/00 H05B37/02 (Advanced/Invention); F21S9/03 F21W131/103 F21Y101/02 H02J7/35 (Advanced/Non-invention)

CPC: Y02B20/72 H05B37/00 H05B33/0809 H05B37/0272 Y02B20/48
European: H05B33/08D1C H05B37/00 H05B37/02B6R Y02B20/48 Y02B20/72

US: 315/158 315/158S 320/101 320/101S 700/90 700/90P

**Family:**

Publication number	Publication date	Application number	Application date
CN101483952 A	20090715	CN200910006633	20090205
CN101616525 A	20091230	CN200910136369	20090512
DE102010002767 A1	20101118	DE201010002767	20100311
US2010292815 AA	20101118	US20100684080	20100107

Priority:

CN200910105053 20090114 CN200910006633 20090205 CN200910136369 20090512

Probable Assignee: PAN YUN

Assignee(s): (std): PAN YUN ; YUN PAN

Inventor(s): (std): YUN PAN ; PAN YUN

Agent(s): HAMRE SCHUMANN MUELLER AND LARSON PC

Title: **LED**/OLED ARRAY APPROACH TO INTEGRATED **DISPLAY**, LENSLESS-CAMERA, AND TOUCH-SCREEN USER INTERFACE DEVICES AND ASSOCIATED **PROCESSORS**

Abstract: A system for implementing a **display** which also serves as one or more of a tactile user interface touchscreen, light field sensor, proximate hand gesture sensor, and lensless imaging camera. In an implementation, an OLED array can be used for light sensing as well as light emission functions. In one implementation a single OLED array is used as the only optoelectronic user interface element in the system. In another implementation two OLED arrays are used, each performing and/or optimized from different functions. In another implementation, an LCD and an OLED array are used in various configurations. The resulting arrangements allow for sharing of both optoelectric devices as well as associated electronics and computational **processors**, and are accordingly advantageous for use in handheld devices such as cellphone, smartphones, PDAs, tablet computers, and other such devices.

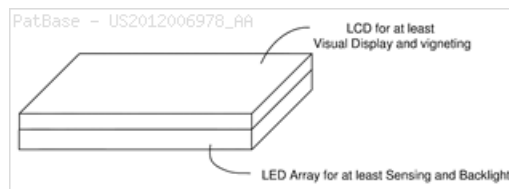
Classifications:

International (IPC 8-9): G02F1/1333 G06F3/041 G06F3/042
G06F3/044 G06F3/0488 G09G3/32 H01L27/32 H01L31/00
H04N5/225 (Advanced/Invention)

CPC: G06F3/044 G06F3/04883 G06F2203/04101 G06F2203/04106
H01L27/3227 H01L27/323 H01L27/3232 H01L2251/5323 G06F3/0425
G06F2203/04108 G06F3/042 H04N5/2258 G06K9/00073
G06K9/00013 G02F1/13338 G06F3/0412

European: G06F3/041D

US: 250/214.1 250/214.100P 349/12



Family:

Publication number	Publication date	Application number	Application date
US2012006978 AA	20120112	US20110180345	20110711
US2014036168 AA	20140206	US20130961611	20130807
US2017220145 AA	20170803	US20170492681	20170420
US2017220201 AA	20170803	US20170488295	20170414
US9626023 BB	20170418	US20110180345	20110711
US9632344 BB	20170425	US20130961611	20130807

Priority:

US20100363181P 20100709 US20110180345 20110711 US20130961611 20130807
US20170488295 20170414 US20170492681 20170420

Probable Assignee: NRI R AND D PATENT LICENSING LLC

Assignee(s): (std): AVISTAR COMM CORP ; LUDWIG LESTER F

Assignee(s): NRI R AND D PATENT LICENSING LLC ; PBLM ADVT LLC ; AVISTAR COMMUNICATIONS CORP

Inventor(s): (std): LUDWIG LESTER F

Agent(s): PROCOPIO CORY HARGREAVES AND SAVITCH LLP

Title: LED MODULE WITH INTEGRATED CONTROLLER

Abstract: An LED module may include a plurality of LED wafers. Each LED wafer may be capable of emitting light in a different color. The LED module may also include an intelligent controller to control operation of each of the LED wafers. Each of the LED wafers may be integrated with the controller and the LED wafers may be combinable in different combinations to produce light in a multiplicity of different colors and intensities under control of the intelligent controller.

Classifications:

International (IPC 8-9): G09G3/32 H04M1/22

H05B33/08 (Advanced/Invention);

G09G3/32 H04M1/22 H05B33/02 (Core/Invention)

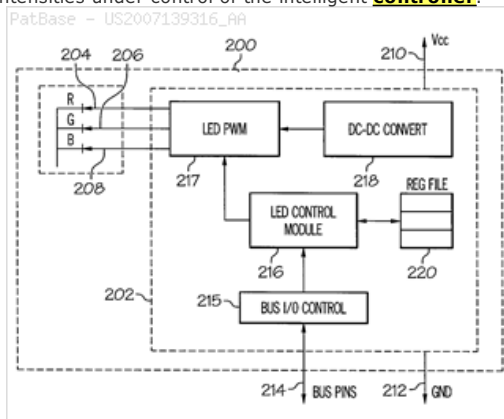
CPC: G09G3/3406 G09G2320/064 H04M1/22 H05B33/0842

H05B33/0863 H05B37/0272 Y02B20/48

European: H05B33/08D3 H05B33/08D3K2U H05B37/02B6R

S09G3/34B S09G320/06L4 T04M1/22 Y02B20/48

US: 345/82 345/82P

**Family:**

Publication number	Publication date	Application number	Application date
EP1964378 A1	20080903	EP20060800905	20060808
US2007139316 AA	20070621	US20050306277	20051221
WO07073408 A1	20070628	WO2006US30768	20060808

Priority:

US20050306277 20051221

WO2006US30768 20060808

Probable Assignee: SONY ERICSSON MOBILE COMMUNICATIONS AB

Assignee(s): (std): HYATT EDWARD CRAIG ; SONY ERICSSON MOBILE COMM AB

Assignee(s): SONY ERICSSON MOBILE COMMUNICATIONS AB

Inventor(s): (std): HYATT EDWARD C ; HYATT EDWARD CRAIG

Inventor(s): HYATT EDWARD

Agent(s): CHARLES GLYNDWR; MOORE AND VAN ALLEN PLLC FOR SEMC

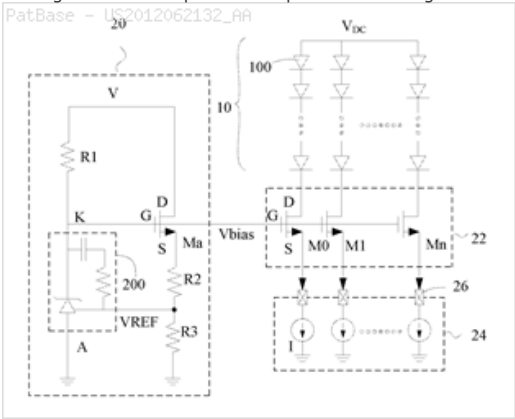
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM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

Title: REGULATED VOLTAGE PROTECTION CIRCUIT, **DISPLAY CONTROLLER** AND **LED** DRIVING METHOD OF THE SAME

Abstract: A regulated voltage protection circuit includes a bias-voltage generating circuit and a clamping circuit. The bias-voltage generating circuit provides a bias-voltage. The clamping circuit is coupled to a plurality of light-emitting diode (**LED**) strings and a driving circuit, and generates a plurality of clamped voltages that are respectively transmitted to a plurality of input pads of the driving circuit according to the bias-voltage. The regulation voltage protection circuit protects against electrical overstress (EOS) by protecting the driving circuit during low-voltage fabrication process chip manufacturing.

Classifications:

International (IPC 8-9): H03K5/003 H05B37/00
H05B37/02 (Advanced/Invention)
CPC: H05B33/0812 H05B33/089 Y02B20/341 Y02B20/343
European: H05B33/08D1C2 H05B33/08D5L Y02B20/34B
Y02B20/34B4
US: 315/193 315/193P



Family:

Publication number	Publication date	Application number	Application date
TW201212542 A	20120316	TW20100130937	20100913
TWI440309 B	20140601	TW20100130937	20100913
US2012062132 AA	20120315	US20110152418	20110603

Priority:

TW20100130937 20100913

Probable Assignee: MSTAR SEMICONDUCTOR INC

Assignee(s): (std): LIN SONG YI ; MSTAR SEMICONDUCTOR INC ; PAN HSUAN I ; WANG HUNG I

Inventor(s): (std): LIN SONG YI ; PAN HSUAN I ; WANG HUNG I

Title: LED CONTROLLER ASIC AND PWM MODULE THEREOF

Abstract: An LED controller application specific integrated circuit includes a host interface and a PWM module. The PWM module is configured to control a plurality of LED devices, and comprises a PWM data buffer, an arithmetic core and a plurality of PWM channels. The PWM data buffer is configured to store PWM turning-point data from the host. The arithmetic core is configured to generate PWM data according to the PWM turning-point data stored in the PWM data buffer. The plurality of PWM channels are configured to receive the PWM data, and each comprises a PWM controller and a PWM I/O interface. The PWM controller is configured to control the operation of the PWM channel. The PWM I/O interface is configured to connect to an LED device.

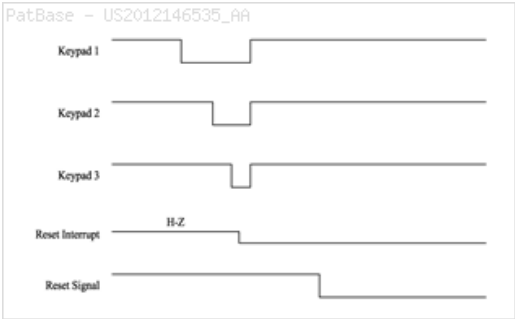
Classifications:

International (IPC 8-9): H05B33/08 H05B37/02
H05B41/24 (Advanced/Invention)

CPC: H05B33/0818

European: H05B33/08D1C4H

US: 315/250 315/250P



Family:

Publication number	Publication date	Application number	Application date
TW201236509 A	20120901	TW20110142670	20111122
TWI430709 B	20140311	TW20110142670	20111122
US2012146535 AA	20120614	US20100963871	20101209

Priority:

US20100963871 20101209

Probable Assignee: GOYATEK TECHNOLOGY INC

Assignee(s): (std): CHEN YUNG FU ; GOYATEK TECHNOLOGY INC ; KAO WEN LIN ; LEE SHIH MING ; LIN TZAI DE ; YEN HONG CHE

Inventor(s): (std): CHEN YUNG FU ; KAO WEN LIN ; LEE SHIH MING ; LIN TZAI DE ; YEN HONG CHE

Title: DRIVING CIRCUIT FOR POWERING LIGHT SOURCES

Abstract: There is provided a driving circuit for powering a plurality of light sources. The driving circuit includes a power converter, a plurality of switching regulators and a plurality of switching balance **controllers**. The power converter is operable for receiving an input voltage and for providing a regulated voltage to the light sources. The switching regulators are operable for adjusting forward voltages of the light sources respectively. The switching balance **controllers** are operable for generating pulse modulation signals to control the switching regulators respectively.

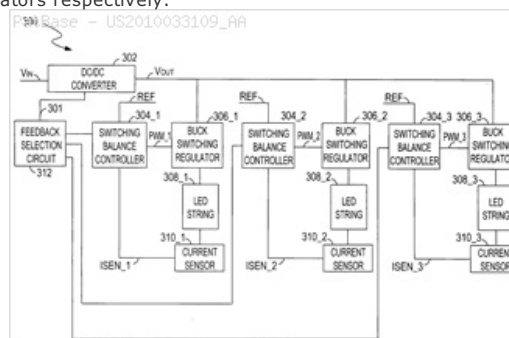
Classifications:

International (IPC 8-9): G02F1/133 G05F1/46 G09G3/20 G09G3/32 G09G3/34 G09G3/36 H01L33/00 H02J1/14 H02M3/156 H05B33/08 H05B37/00 H05B37/02 H05B41/16 (Advanced/Invention); G02F1/13 G09G3/20 G09G3/32 G09G3/34 G09G3/36 H01L33/00 H05B37/00 H05B37/02 (Core/Invention)

CPC: H05B33/0815 G09G3/3406 G09G2330/028 H05B33/0827 H05B33/0848 G09G3/36 G09G2360/145 H05B33/0818

European: G09G3/34B H05B33/08D1C4 H05B33/08D1L2P H05B33/08D3B2 S09G330/02V

US: 315/185.00R 315/185R 315/192 315/219 315/246 315/246S 315/250 315/250S 315/279 315/291 315/291S 315/294 315/294P 315/297 315/297P 315/307 315/307S 315/308

**Family:**

Publication number	Publication date	Application number	Application date
CN101646283 A	20100210	CN200910138448	20090513
CN101646283 B	20120321	CN200910138448	20090513
CN102427633 A	20120425	CN201110236644	20110812
CN102427633 B	20130313	CN201110236644	20110812
CN102905416 A	20130130	CN201210156029	20120518
CN102905416 B	20140212	CN201210156029	20120518
JP2010040509 A2	20100218	JP20090142325	20090615
JP2012227519 A2	20121115	JP20120079423	20120330
JP5448592 B2	20140319	JP20090142325	20090615
JP5947082 B2	20160706	JP20120079423	20120330
KR20100017050 A	20100216	KR20090063416	20090713
TW201008383 A	20100216	TW20090125775	20090731
TW201228458 A	20120701	TW20110128999	20110815
TW201301734 A	20130101	TW20120126020	20120719
TWI353195 B	20111121	TW20090125775	20090731
TWI376979 B	20121111	TW20110128999	20110815
TWI392208 B	20130401	TW20120126020	20120719
US2010033109 AA	20100211	US20080221648	20080805
US2011248648 AA	20111013	US20110086822	20110414
US2011316447 AA	20111229	US20110228241	20110908
US2012032613 AA	20120209	US20110274663	20111017
US7919936 BB	20110405	US20080221648	20080805
US8148919 BB	20120403	US20110274663	20111017
US8198833 BB	20120612	US20110086822	20110414
US8237379 BB	20120807	US20110228241	20110908
US8253352 BB	20120828	US20110086822	20110414

Priority:

US20080221648 20080805 US20100374117P 20100816 US20110086822 20110414
 US20110228241 20110908 US20110274663 20111017

Probable Assignee: O2MICRO INT LTD

Assignee(s): (std): O2 MICRO INC ; O2MICRO INT LTD ; LIN YUNG LIN ; LIU DA

Assignee(s): O2 MICRO INC ; O2MICRO INTERNATIONAL LIMITED

Inventor(s): (std): DA LIU ; LIN YUNG LIN ; LIU DA ; YUN LIN LIN ; YUNG LIN LIN ; YUN RIN RIN ; LIN YONGLIN

Inventor(s): LIN, YUNG-LIN

Agent(s): PATENT PROSECUTION O2MIRCO INC

Title: CONTROLEUR PROGRAMMABLE.

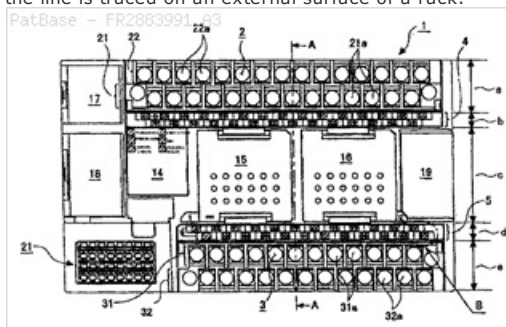
Abstract: The **controller** (1) has a terminal symbol line with a **set** of terminal symbols for differentiating terminals (21a,22a) of terminal block. A **set** of **LED** indicators are arranged adjacent to the block, and are charged or not according to state of signals of the terminals. Each symbol and indicator is placed such that the symbols and indicators are mutually overlapped. The symbols are arranged adjacent to the block in a way corresponding to the arrangement of the terminals on the block. The indicators are mounted on a printed circuit **board** and the line is traced on an external surface of a rack.

Classifications:

International (IPC 8-9): G05B19/04 G05B19/048 G05B19/05 H01R9/00 (Advanced/Invention);
G05B19/04 G05B19/048 G05B19/05 H01R9/00 (Core/Invention)

CPC: H05K7/1481

European: H05K7/14P14



Family:

Publication number	Publication date	Application number	Application date
■ CN2916715 Y	20070627	CN200620006682U	20060331
■ DE202006005168 U1	20060907	DE200620005168U	20060330
■ ES1063066 UA	20061001	ES20060000764U	20060331
■ ES1063066 Y	20070101	ES20060000764U	20060331
■ ES1063066 Y1	20070101	ES20060000764U	20060331
■ ES1063066 YA	20070101	ES20060000764U	20060331
■ FR2883991 A3	20061006	FR20060002836	20060331
■ FR2883991 B3	20070413	FR20060002836	20060331
■ ITTO20060044 U1	20061001	IT2006TO00044U	20060331
■ JP2006309727 A2	20061109	JP20060075334	20060317

Priority:

JP20050105341 20050331 JP20060075334 20060317

Probable Assignee: OMRON CORP

Assignee(s): (std): OMRON TATEISI ELECTRONICS CO

Assignee(s): OMRON CORP

Inventor(s): (std): TAKAHASHI KEI ; TAKAHASHI HIROSHI ; HIRAKI TAKAHASHI

Inventor(s): TAKAHASHI HIRAKI

Title: DRIVE CIRCUIT FOR LIGHT-EMITTING DIODES

Abstract: The invention relates to a control circuit for at least one light-emitting diode (1) for adjusting the current and/or the voltage of the light-emitting diode (1) to a desired value adjusted by means of a **controller** (3), the current, the voltage and/or the luminance of the light-emitting diode (1) being detectable and comparable with the desired value.

Classifications:

International (IPC 8-9): G05D25/02 H02M7/537 H05B33/08

H05B37/02 (Advanced/Invention);

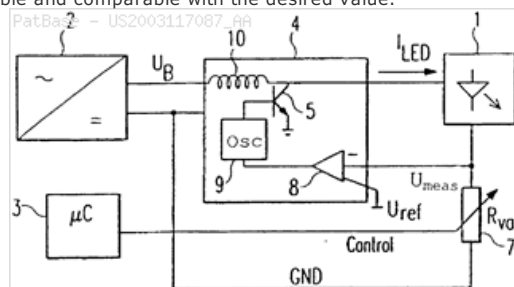
H05B33/02 (Core/Invention)

International (IPC 1-7): F21Y101/02 H05B33/08 H05B37/02

CPC: H05B33/0815 H05B33/0818 H05B33/0851 Y02B20/347

European: H05B33/08D1C4 H05B33/08D1C4H H05B33/08D3B2F Y02B20/34B6B

US: 315/169.3 315/224 315/224S 315/291 315/291P 315/307 315/307S

**Family:**

Publication number	Publication date	Application number	Application date
AT278311 E	20041015	AT20010929436T	20010315
AU2001256207 AA	20010924	AU20010256207	20010315
AU200156207 A1	20010924	AU20010056207	20010315
AU200156207 A5	20010924	AU20010056207	20010315
DE10013215 A1	20010920	DE20001013215	20000317
DE10013215 B4	20100729	DE20001013215	20000317
DE10066459 B4	20140515	DE20001066459	20000317
DE20023993 U1	20080925	DE20002023993U	20000317
DE50103883 D1	20041104	DE20015003883	20010315
EP1273209 A1	20030108	EP20010929436	20010315
EP1273209 B1	20040929	EP20010929436	20010315
US2003117087 AA	20030626	US20020242704	20020913
US6747420 BB	20040608	US20020242704	20020913
WO0169980 A1	20010920	WO2001EP02946	20010315
WO0169980 C1	20020221	WO2001EP02946	20010315

Priority:

DE20001013215 20000317 DE20001066459 20000317 DE20002023993U 20000317
 DE20015003883 20010315 WO2001EP02946 20010315

Probable Assignee: TRIDONICATCO GMBH AND CO KG

Assignee(s): (std): BARTH ALEXANDER ; HEIN PETER ; LUDORF WERNER ; TRIDONIC BAUELEMENTE ; TRIDONICATCO GMBH AND CO KG ; TRIDONIC GMBH AND CO KG ; WERNER LUDORF ; TRIDONICATCO GMBH AND CO KG DORN

Assignee(s): TRIDONICATCO GMBH AND CO KG DORNBIRN ; TRIDONICATCO GMBH AND CO DORN KG ; TRIDONICATCO GMBH ; TRIDONIC BAUELEMENTE GMBH ; TRIDONIC BAUELEMENTE GES M B H ; TRIDONIC BAUELEMENTE GES M B H DORNBIRN

Inventor(s): (std): BARTH ALEXANDER ; HEIN PETER ; LUDORF WERNER ; WERNER LUDORF

Inventor(s): PETER HEIN ; ALEXANDER BARTH

Designated states: AT AU BE BR CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL NZ PT SE TR US

Title: R.G.B DECODER OF **LED CONTROLLER** FOR LINE **DISPLAY**

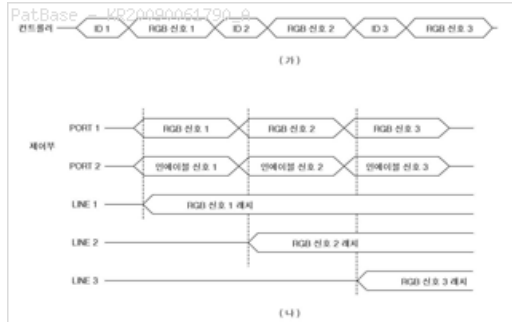
Abstract: The present invention discloses the RGB decoder of the **LED** control device for the line **display** which multiple lines can be **displayed** using one RGB decoder. The decoder according to the present invention comprises two or more RGB drivers for latching the RGB signal the output port converts the RGB signal into the rating signal level according to the enable signal it receives the RGB signal it is connected to the output port of the control unit: control unit for output-controlling the corresponding RGB signal in two or more ID information for the line-by-line **display** and enable signal and the corresponding ID corresponding to the ID information the communication driver: ID information receiving the ID sort RGB signal and the RGB signal received from the communication driver are stored and are managed from the **controller** it performs the **controller** and local area network and each connector for providing the RGB signal outputted from each RGB driver to two or more each line-by-lines. Therefore, the invention has the effect that as connects a plurality of lines through one decoder the color control of the multiple lines is facilitated and In addition can save the installation fee.

Classifications:**International (IPC 8-9):** G02F1/13357 H05B37/02

H05B41/24 (Advanced/Invention);

G02F1/13357 H05B37/02 H05B41/24 (Advanced/Non-invention);

G02F1/13 H05B37/02 H05B41/24 (Core/Invention)

CPC: G09G3/3406 G09G3/3413 G09G2320/0666 G09G2330/02**Family:**

Publication number	Publication date	Application number	Application date
KR100965782 B1	20100706	KR20070128735	20071212
KR20090061790 A	20090617	KR20070128735	20071212

Priority:

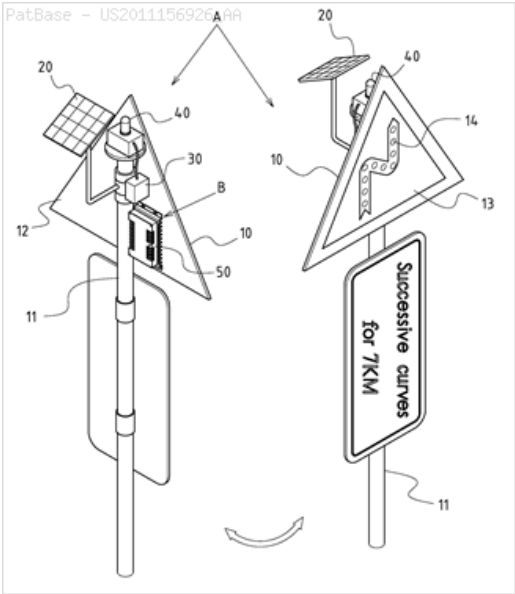
KR20070128735 20071212

Probable Assignee: BISRO CO LTD**Assignee(s):** (std): BISRO CO LTD**Assignee(s):** JAD MEDIA WORKS CO LTD ; JOONG ANG DESIGN CO LTD ; BISRO CO**Inventor(s):** (std): JUNG SUNG WOO**Agent(s):** LEE JEONG HYUN

Title: **LED** SOLAR TRAFFIC MARKING **PANEL** FITTED WITH INTEGRATED DIMMING **CONTROLLER**

Abstract: A multifunctional integrated dimming **controller** and an **LED** solar traffic marking **panel** fitted with this **controller**. The multifunctional integrated dimming **controller** is applied to the marking **panel** for combining and controlling its dimming function. The multifunctional integrated dimming **controller** includes a **controller** casing having an assembly surface and a terminal coupling portion. A contact block of solar photovoltaic **panel** is assembled on the coupling portion and connected with the solar photovoltaic **panel**. A contact block is assembled on the terminal coupling portion and connected with the electrical storage device. An **LED** contact block is assembled on the coupling portion and connected with the **LED** unit. An external sensing contact block is assembled on the coupling portion and connected with the external sensor. An integrated electrical control **module** is accommodated into the **controller** casing including a circuit **board**, a dimming **processor** on the circuit **board** and an electrical control unit.

Classifications:
International (IPC 8-9): F21L4/00 G08G1/095
H05B37/02 (Advanced/Invention)
CPC: H05B33/0854
European: H05B33/08D3B4
US: 315/158 315/158S 315/291 315/291S 340/907 340/907P 362/183 362/234 362/253 40/557



Family:

Publication number	Publication date	Application number	Application date
US2011156926 AA	20110630	US20090649514	20091230
US8246207 BB	20120821	US20090649514	20091230

Priority:

US20090649514 20091230

Probable Assignee: SAFETY TRAFFIC EQUIPMENT CO LTD
Assignee(s): (std): CAI SHUEI TIAN ; CHEN YI QUN ; SAFETY TRAFFIC EQUIPMENT CO LTD
Assignee(s): SAFETY TRAFFIC EQUIPMENT CO
Inventor(s): (std): CAI SHUEI TIAN ; CHEN YI QUN
Agent(s): EGBERT LAW OFFICES PLLC

Title: **MICROPROCESSOR** CONTROLLED FAULT INDICATOR HAVING **LED** FAULT INDICATION CIRCUIT WITH BATTERY CONSERVATION MODE

Abstract: A fault indicator for indicating the occurrence of a fault in an electrical conductor has a housing, a high capacity battery, at least one light emitting diode (**LED**) visible from the exterior of the fault indicator upon the occurrence of a fault, and electronic circuitry for sensing a fault, for actuating the **LEDs** to indicate a fault and to provide a timed reset of the **LEDs** to a non-fault indicating condition a predetermined time after the fault has occurred. The electronic circuitry, including a **microprocessor** that is normally in a sleep mode, conserves energy by drawing insubstantial current from a high capacity battery during non-fault conditions. During fault conditions, a light sensor senses the ambient lighting conditions and the **microprocessor** reduces current supplied to the **LEDs** under reduced lighting levels, such as night, further conserving battery life. The **LEDs** may also be operated at an intermediate illumination level, such as at dusk or dawn.

Classifications:

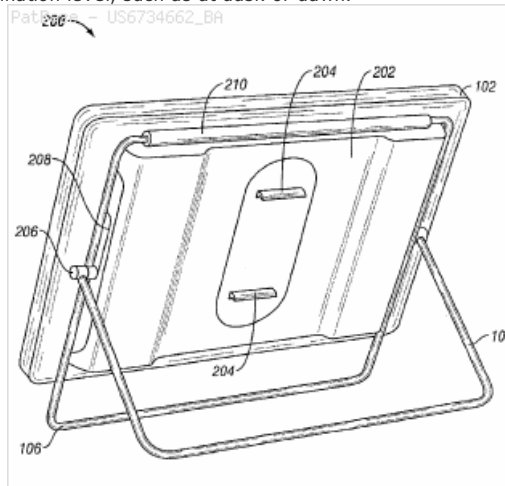
International (IPC 8-9): G01R15/20 G01R19/14 G01R19/16
G01R19/165 G01R31/00 G01R31/08 G01R31/42
G06F1/16 (Advanced/Invention);
G01R19/165 G01R19/25 G01R31/02 H02H3/04 (Advanced/Non-invention);
G01R15/14 G01R19/14 G01R19/16 G01R19/165 G01R31/00
G01R31/08 G01R31/40 G06F1/16 (Core/Invention);
G01R19/165 G01R19/25 G01R31/02 H02H3/02 (Core/Non-invention)

International (IPC 1-7): G01R19/14 G01R31/00 G08B21/00
G08F1/16

CPC: G01R31/42 G01R19/2513 G06F1/1601 G06F1/1632
G01R15/142 G01R15/16 G01R15/18 H02H3/006 G01R15/148
G01R1/02 G01R19/16571 G01R31/021 G01R31/025 H02H3/042
G01R19/16509 G01R1/22 G01R31/085 G01R31/024

European: G01R15/14B G01R15/20 G01R19/15 G01R19/165E2
G01R19/165H2 G01R31/02B G01R31/02C G01R31/08D3 G01R31/42
G06F1/16D G06F1/16P6 S01R1/02 S01R15/16 S01R15/20

S01R19/165H2 S01R19/25D S01R31/02B S01R31/02C2 T02H3/04B
US: 324/117R 324/126 324/127 324/133 324/239 324/324 324/503
324/509 324/510 324/522 324/525 324/530 340/649 340/657
340/664 340/691.1 340/815.4 361/679.23 361/679.41 361/681



Family:

Publication number	Publication date	Application number	Application date
US6734662 BA	20040511	US20020280219	20021025
US6807050 BA	20041019	US20020280144	20021025
US6822576 BA	20041123	US20020280328	20021025
US6894478 BA	20050517	US20030454851	20030604
US6949921 BA	20050927	US20030454847	20030604
US6963197 BA	20051108	US20030449143	20030530
US7023691 BA	20060404	US20030454850	20030604
US7053601 BA	20060530	US20020280141	20021025
US7106048 BA	20060912	US20030455670	20030604
US7271580 BA	20070918	US20040988007	20041112
US7315169 BA	20080101	US20020280329	20021025

Priority:

US20010337438P 20011026	US20010337631P 20011026	US20010337632P 20011026
US20010339412P 20011026	US20010339256P 20011026	US20010339514P 20011026
US20010339574P 20011026	US20020384608P 20020531	US20020280144 20021025
US20020280141 20021025	US20020280322 20021025	US20020280219 20021025
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US20030449143 20030530	US20030454847 20030604	US20030454850 20030604
US20030455670 20030604	US20030454851 20030604	US20030519106P 20031112
US20040988007 20041112		

Probable Assignee: SCHWEITZER ENGINEERING LABORATORIES INC

Assignee(s): (std): E O SCHWEITZER MFG CO ; E O SCHWEITZER MFG CO INC ; E O SCHWEITZER MFG CO LLC ; HEWLETT PACKARD DEV CO ; E O SCHWEITZER MFG LLC ; SCHWEITZER ENGINEERING LAB INC ; E O SCHWEITZER MFG COMPANY INC ; HEWLETT PACKARD DEVELOPMENT CO ; SCHWEITZER MFG CO E

Assignee(s): SCHWEITZER ENGINEERING LABORATORIES INC ; HEWLETT PACKARD DEVELOPMENT CO LP ; E O SCHWEITZER MFG CO LLC ; HEWLETT PACKARD DEVELOPMENT COMPANY ; HEWLETT PACKARD CO ; E O SCHWEITZER MFG ; E O SCHWEITZER MFG CO INC ; E O SCHWEITZER MFG CO ; E O SCHWEITZER MFG LLC ; E O SCHWEITZER MANUFACTURING CO ; E O SCHWEITZER MANUFACTURING CO INC ; E O SCHWEITZER MANUFACTURING CO LLC ; E O SCHWEITZER MANUFACTURING COMPANY INC

Inventor(s): (std): FEIGHT LAURENCE VIRGIL ; FENSKE KURT J ; FENSKE KURT JAMES ; WHITEHORN SYMON ; SCHMITT MARCUS ; FEIGHT LAURENCE V ; DUROS JAMES MANLEY

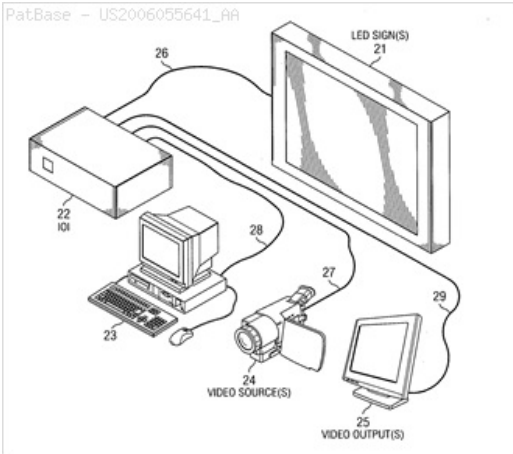
Agent(s): COOK ALEX MCFARRON MANZO CUMMINGS AND MEHLER LTD

Title: LED BILLBOARD CONTROLLER WITH INTEGRATED SIGN INTERFACE MODULE

Abstract: An apparatus that supports operation of an LED sign includes a backplane that connects a backplane frame output of a first video data processor circuit card to a backplane frame input of a second video data processor circuit card, and also connects a backplane frame output of the second video data processor circuit card to a backplane frame input of a sign interface circuit card. Each video data processor circuit card includes a video source input, and the sign interface circuit card includes a video data output for coupling to distribution boards located at the sign. The backplane architecture provides flexible scalability by permitting the addition of further video data processor circuit cards and further sign interface circuit cards in any desired configuration.

Classifications:

International (IPC 8-9): G09G3/32 (Advanced/Invention);
G09G3/32 (Core/Invention)
CPC: G09F9/33
European: G09F9/33
US: 345/82 345/82P



Family:

Publication number	Publication date	Application number	Application date
US2006055641 AA	20060316	US20050159817	20050623
US2006055642 AA	20060316	US20050165567	20050623

Priority:

US20040610291P 20040916 US20050159817 20050623 US20050165567 20050623

Probable Assignee: BILLBOARD VIDEO INC

Assignee(s): (std): BILLBOARD VIDEO INC

Inventor(s): (std): DAUGHENBAUGH JASON A ; KAY JASON E ; KOON JON D ; LUKES ANTHONY J ; ROBERTUS BRYAN L ; SWIMLEY BRETT D

Inventor(s): DAUGHENBAUGH JASON ; SWIMLEY BRETT ; ROBERTUS BRYAN ; LUKES ANTHONY ; KOON JON ; KAY JASON

Agent(s): DOCKET CLERK

Title: REMOTE-CONTROLLED LED ELECTRONIC DISPLAY BOARD SYSTEM AND METHOD FOR CONTROLLING THE SAME

Abstract: An LED electronic display board system and a method for controlling the same are disclosed. The LED electronic display board system includes an LED electronic display board having a plurality of pixel panels arranged in a plurality of rows, and a remote controller for inputting a letter or symbol, and generating a control signal for selecting the size of the letter or symbol and a control signal for selecting a row on which the letter or symbol is displayed, wherein the letter or symbol inputted by the remote controller is displayed at a predetermined location of the LED electronic display board with the predetermined size according to the control signals.

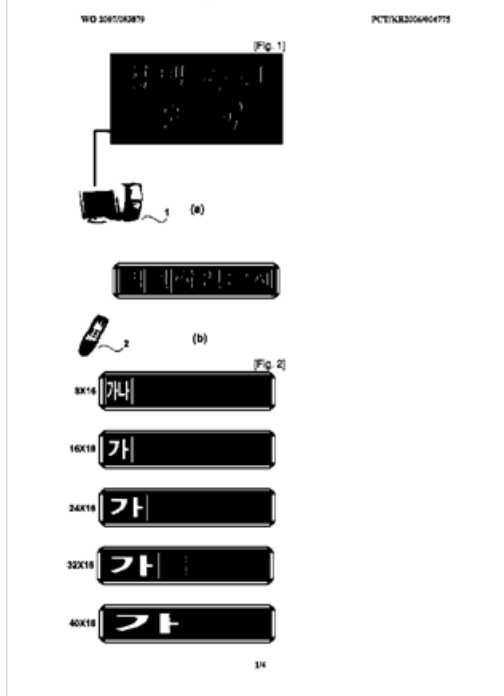
Classifications:

International (IPC 8-9): G09F9/33 G09G3/32 (Advanced/Invention);
G09F9/33 G09G3/32 (Core/Invention)

CPC: G09F9/33 G06F3/1431 G09G2340/0414 G09G2340/0421
G09F13/22 G09F2013/222 G09G3/32

European: G06F3/14C2 G09F9/33 S09G340/04C2 S09G340/04C4

PatBase - WO07083879_A1



Family:

Publication number	Publication date	Application number	Application date
KR100638396 B1	20061024	KR20060004853	20060117
WO07083879 A1	20070726	WO2006KR04775	20061114

Priority:

KR20060004853 20060117

Probable Assignee: COMTEL CO LTD

Assignee(s): (std): COMTEL CO LTD ; LEE OU GUE

Assignee(s): COMTEL CO

Inventor(s): (std): LEE OU GUE

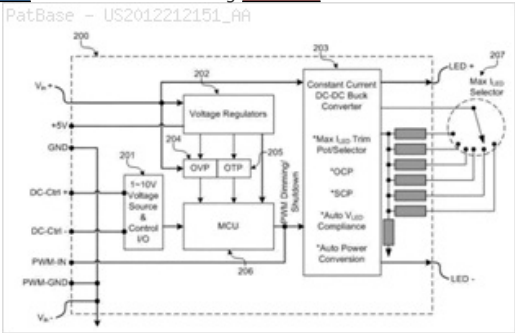
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Title: PROGRAMMABLE CURRENT PWM DIMMING CONTROLLER

Abstract: An integrated system for supplying direct current and brightness dimming for light emitting diodes (LEDs) comprising: an LED driver power supply for supplying a constant direct current; an array of one or more LEDs; and an integrated programmable LED current pulse width modulation (PWM) dimming controller; wherein the integrated programmable LED current pulse width modulation (PWM) dimming controller comprising: a front control panel for controlling the brightness of the array of one or more LEDs; and an LED current PWM dimming module.

Classifications:

International (IPC 8-9): G05F1/00 H05B37/00
H05B37/02 (Advanced/Invention)
CPC: H05B33/089 H05B33/0851 H05B33/0887 H05B33/0845
Y02B20/42
US: 315/250 315/250P 315/291 315/291P 315/307 315/308 315/312



Family:

Publication number	Publication date	Application number	Application date
CN103391667 A	20131113	CN201310172479	20130510
CN202261910 U	20120530	CN201120105735U	20110412
US2012212151 AA	20120823	US20110031633	20110222
US2012217892 AA	20120830	US20120470304	20120512
US8558482 BB	20131015	US20110031633	20110222

Priority:

US20110031633 20110222 US20120470304 20120512

Probable Assignee: GRE ALPHA ELECTRONICS LTD

Assignee(s): (std): GRE ALPHA ELECTRONICS LTD ; GRE ALPHA ELECTRONICS LTD INST CO LTD ; CHU YIK LUN ; FONG RICHARD ; HONGKE ELECTRONIC INDUSTRY CO LTD ; HONGKE ELECTRONIC IND CO LTD

Assignee(s): HONGKE ELECTRONIC IND CO ; HONGKE ELECTRONIC INDUSTRY CO

Inventor(s): (std): CHU YIK LUN ; FONG RICHARD ; YILUN ZHU

Inventor(s): ZHU YILUN

Agent(s): ELLA CHEONG HONG KONG; SAM T

Title: MEASURING DEVICE FOR RECORDING AND **DISPLAYING** VARIOUS SATELLITE POSITIONS IN A SATELLITE RECEIVER
 APPAREIL DE MESURE DESTINE A LA SAISIE ET L'AFFICHAGE DE DIVERSES POSITIONS SATELLITES POUR UNE
 INSTALLATION

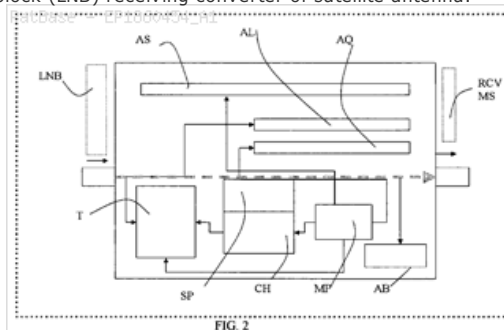
Abstract: The instrument includes a tuner for high-frequency data signals, memory for storing different identifications of the receiving channels within the satellite frequency level, and decoding and demultiplexing unit for processing the receiving channels. An **LED** indicator (AS) is connected to a **microprocessor** to **display** satellite position. The **microprocessor** is programmed to evaluate the measured values determined from the received high-frequency signals. The instrument is arranged between a satellite receiver or multi-switch, and low noise block (LNB) receiving converter of satellite antenna.

Classifications:

International (IPC 8-9): G01R29/08 G01S3/40 G01S3/78 G01S3/782
 H01Q1/12 H04B17/00 H04L12/26 H04N17/04 (Advanced/Invention);
 G01R29/08 G01S3/14 G01S3/78 H01Q1/12 H04B17/00 H04L12/26
 H04N17/04 (Core/Invention)

CPC: G01S3/40 H01Q1/1257 H04N17/04

European: G01S3/40 G01S3/782 H01Q1/12E1 H04N17/04



Family:

Publication number	Publication date	Application number	Application date
DE202006008445 U1	20060928	DE200620008445U	20060524
DE502007013913 D1	20150618	DE200750013913T	20070523
EP1860454 A1	20071128	EP20070010238	20070523
EP1860454 B1	20150506	EP20070010238	20070523
TR201509692 T4	20150821	TR20150009692T	20070523

Priority:

DE200620008445U 20060524 EP20070010238 20070523

Probable Assignee: SCHWAIGER GMBH

Assignee(s): (std): CHRISTIAN SCHWAIGER GMBH ; SCHWAIGER GMBH

Inventor(s): (std): MOHR HARRY ; NEUGEBAUER THOMAS ; GRAU THOMAS DIPL ING

Inventor(s): DIPL ING THOMAS GRAU

Agent(s): DREYKORN LINDNER WERNER; OKTAY SIMSEK

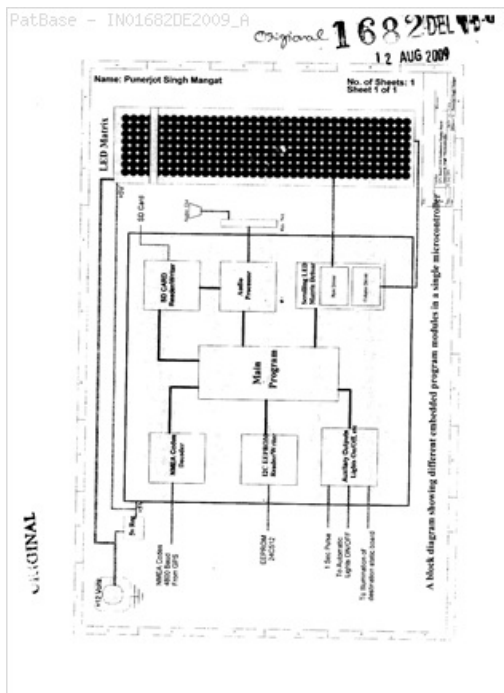
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL PL PT
 RO RS SE SI SK TR

Title: GPS BASED LED DESTINATION DISPLAY BOARD POWERED BY SINGLE MICROCONTROLLER

Abstract: A method, the associated apparatus of a GPS Based LED Destination Display Board Powered By Single Microcontroller is described, where a dot matrix LED display board acts as a destination board inside a bus. The dot-matrix LED board is driven by a microcontroller, and the same microcontroller also receives NMEA codes from a GPS, and its embedded software displays the different destinations of a bus or a railway. The LED board provides information about the current station, next station, the estimated time of arrival of the bus to the next station, and also social and commercial advertisements. The coordinates of the station may be loaded into the LED display via SD card, and the onboard GPS will configure the same to display them on each successive station or bus stop. The LED display also gives audio signals whereby the onboard speaker voices the next station info in audio patterns. The said invention uses a single microcontroller which acts as a GPS NMEA Decoder, Audio Processor, SD card reader/writer, EEPROM I2C reader/writer, LED scrolling Matrix Array driver, and external lights controller.

Classifications:

International (IPC 8-9): G01C21/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
IN01682DE2009 A	20110218	IN2009DE01682	20090812

Probable Assignee: PUNERJOT SINGH MANGAT

Assignee(s): PUNERJOT SINGH MANGAT

Inventor(s): PUNERJOT SINGH MANGAT

Title: LED LIGHT STRING AND LED MODULE WITH AN INTEGRATED SIGNAL CONTROLLER THEREOF

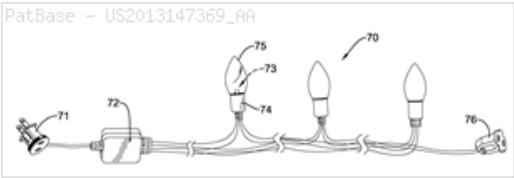
Abstract: An LED light string has multiple LED modules connected in series and a control device connected to the LED modules. Each LED module has a pin assembly, at least one LED chip and a signal controller. The pin assembly has a substrate and multiple pins. The multiple pins include a first power pin, a second power pin, a first signal pin and a second signal pin. The substrate is formed on a top end of the first power pin. The LED chip and the signal controller are mounted on the substrate. The pin assembly, the at least one LED chip and the signal controller are electrically connected to each other. Because the signal controller is integrated in the LED module, the signal controller receives a control signal to activate the LED chip directly.

Classifications:

International (IPC 8-9): H05B37/02 (Advanced/Invention)

CPC: H05B33/0821

US: 315/185R 315/363



Family:

Publication number	Publication date	Application number	Application date
US2013147369 AA	20130613	US20110324312	20111213

Priority:

US20110324312 20111213

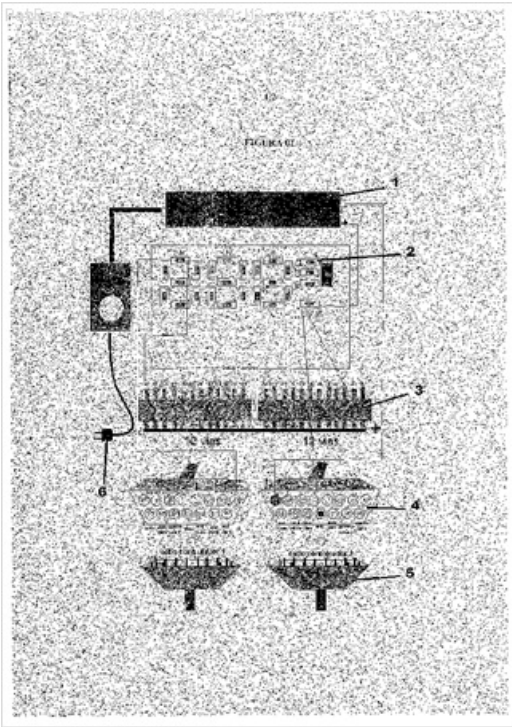
Probable Assignee: GEMMY IND CORP
Assignee(s): (std): GEMMY IND CORP ; ZHANG CHENG CHUN
Inventor(s): (std): ZHANG CHENG CHUN

Title: PAINEL DE LED COM CONTROLADOR ANALOGICO LED PANEL WITH ANALOG CONTROLLER (Machine translation)

Abstract: Source: BR202013020549U [PT] RESUMO PAINEL DE LED COM CONTROLADOR ANALOGICO. Como pode ser facilmente compreendido, o presente modelo de utilidade constitui de um sistema simples e funcional, que pode ser 5 facilmente compreendido, pois constitui de uma evolucao na utilizacao de placas informativas de LED's, visto que o sistema e analogico e o usuario nao precisa utilizar softwar para fazer funcionar. A placa e composta de Painel (8) que pode variar de tamanho e proporcao. Nele podem ser inseridos varios algarismos escritos em LED's (7), sendo que as palavras 10 (geralmente para postos de combustiveis) sao fixas ao mesmo e os numeros podem variar, como os precos, por ex. O sistema de variacao de numeros analogico e feito atraves de LED'S (7) divididos em sete celulas que formam o "OITO" digital. Cada Celula (que corresponde a um 'segmento' do numero) tem um plug de liga desliga, e conforme a necessidade voce 15 desliga o Plug e vai 'escrevendo' o numero necessario. As Sete celulas sao ligadas a um Pente (3), para retomar a energia que e polo positivo e a um Cabo de Dados (4) (femea), e este conectado a um Cabo Controlador (5) (macho), que ligado a Fonte (1) no negativo, esta ligado a rede eletrica (6). O pente por sua vez sera ligado a chave on/off 20 (positivo) e esta ligada a Fonte (1). A chave tambem sera ligada no positivo na femea do Cabo de Dados (4). Como o Cabo de dados (4) tem 15 segmentos, e cada numero precisa de sete celulas, elas estao organizadas na sequencia alfanumerica: al, a2, a3, a4, a5, ao e a7, depois bl, b2, b3, b4. B5, bo e b7, cl, c2, c3... a assim 25 sucessivamente. Como geralmente esse sistema e utilizado em placas de precos de combustiveis, existe um numero para indicar os Reais, e dois digitos para os centavos (EX.: 1,99), precisamos de sete vezes tres, ou seja, vinte e uma celulas, sobrando alguns espacos no Cabo de Dados (4), que e utilizado para a ligacao do Negativo a Fonte (1) e do positivo a Chave on/off. Necessitando de mais celulas, e so aumentar o numero de Cabos (4) e (5) e continuar na mesma sequencia. **Machine translation:** Summary LED PANEL WITH ANALOG CONTROLLER. As can be readily understood, the present utility model is a simple, functional system 5 that can be easily understood, since it is an evolution in the use of plates informative of LED's, since the system is analog and the user need not utilize software to operate. The plate is composed of panel (8) that may vary in size and proportion. Therein can be inserted several digits written in LED'S (7), being that the words 10 (generally for jobs fuels) are fixed thereto and the numbers may vary, such as prices, e.g. The system of change of analog numbers is done through LED'S (7) divided into seven cells that form the "eight" digital. Each cell (corresponding to a 'segmento' of number) has a plug 15 alloy as needed you off off state, and the Plug and will 'writing' the required number. The Seven cells are connected to one comb (3), to resume the power being positive pole and a Data Cable (4) (female), and this cable connected to a controller (5) (male), which connected to Source (1) negative node, is connected to the electrical network (6). The magazine in turn will be connected to on/off switch 20 (positive) and is connected to (1). The switch will also be turned on positive Data Cable (4 female). As the data cable (4) has 15 segments, and each number needs seven cells, they are arranged in alphanumeric string: ai, a2, a3, a4, a5, and a7, b1, b2, b3, b4. B5, b0 and b7, c1, c2, c3...thus 25 successively. As generally this system is used in fuel prices plates, there are a number to indicate the actual, and two digits for the cents (ex.: 1.99), we need to seven times three, i.e., twenty-one cells, remaining some spaces on the Data Cable (4), which is used for bonding the positive and negative source (1) on/off switch. Requiring more cells, and so increase the number of cables (4) and (5) and continue in the same sequence.

Classifications:

International (IPC 8-9): G09G3/32 H05B33/08 (Advanced/Invention)
CPC: G09G3/32 H05B33/0809



Family:

Publication number	Publication date	Application number	Application date
BR202013020549 U2	20161122	BR20132020549U	20130813

Priority:

BR20132020549U 20130813

Probable Assignee:

VIEIRA LEANDRO RAFAEL

Assignee(s): (std):

VIEIRA LEANDRO RAFAEL

Assignee(s):

LEANDRO RAFAEL VIEIRA

Inventor(s): (std):

VIEIRA LEANDRO RAFAEL

Inventor(s):

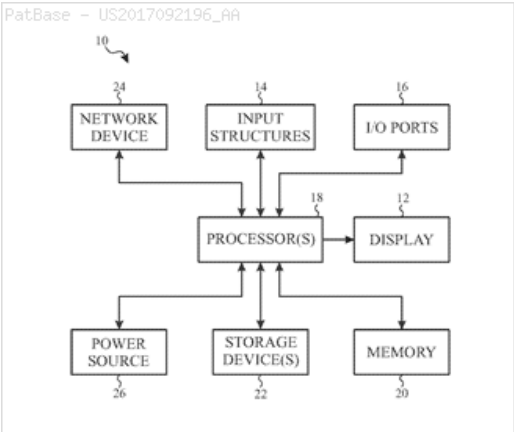
LEANDRO RAFAEL VIEIRA

Title: DEVICE AND METHOD FOR IMPROVING LED DRIVING

Abstract: An electronic device comprises a display and a controller. The controller is configured to determine a change in a refresh rate of the display from a first frequency to a second frequency. The controller is also configured to selectively generate a control signal configured to control emission of a light emitting diode of a display pixel of the display based on the first frequency.

Classifications:

International (IPC 8-9): G09G3/32 G09G3/3225 G09G3/3233 G09G3/3258 G09G3/3266 (Advanced/Invention); H01L27/12 (Advanced/Non-invention)
CPC: G09G3/3233 G09G3/3266 G09G2300/0842 G09G2300/0861 G09G2310/0251 G09G2320/0247 G09G2340/0435 G09G3/3258 G09G2300/0809 G09G2320/0252 G09G2330/023
US: 345/212



Family:

Publication number	Publication date	Application number	Application date
CN106558285 A	20170405	CN201610730570	20160826
CN205943423 U	20170208	CN201620948342U	20160826
US2017092196 AA	20170330	US20160041836	20160211
WO17058400 A1	20170406	WO2016US48203	20160823

Priority:

US20150234211P 20150929 US20160041836 20160211

Probable Assignee: APPLE INC

Assignee(s): (std): APPLE INC

Inventor(s): (std): BI YAFEI ; CHIN WEI LIN ; GUILLOU JEAN PIERRE ; GUILLOU JEAN PIERRE SIMON ; GUPTA VASUDHA ; HUNG SHENG LIN ; JEAN PIERRE SIMON GUILLOU ; LIN CHIN WEI ; LIN HUNG SHEN ; LIN HUNG SHENG ; SANG Y YOUN ; TSAI TSUNG TING ; TSUNG TING TSAI ; VASUDHA GUPTA ; YAFEI BI ; YOUN SANG Y

Agent(s): FLETCHER MICHAEL G ET AL

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

Title: Sound LED display screen with microprocessor.

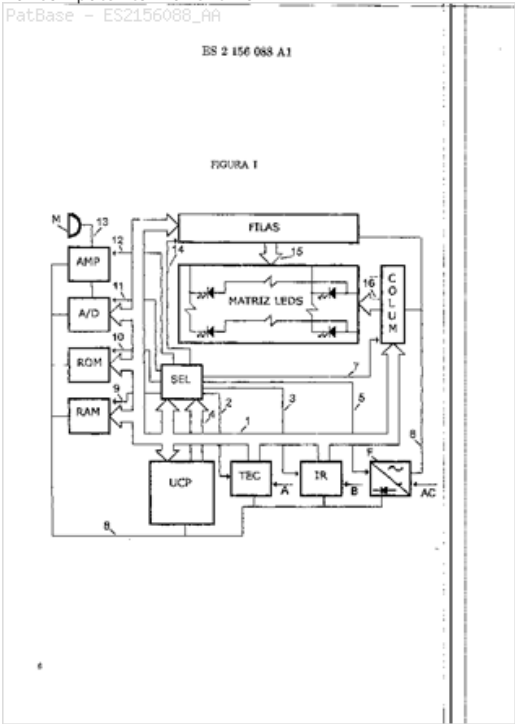
Abstract: LED sound viewer with microprocessor. Comprises a viewer module for capturing sound waves, an analogical-digital converter and a micro-processing system that gathers data from the converter and generates the signals required to activate an LED screen for viewing, in real time, the wave forms, amplitudes and patterns that are saved in the memory. Visualization is set up in accordance with received data and the parameters selected by the user. The system also comprises the tools to operate the microprocessor and initiate external communications. This system offers the means to visualize sound waves, which actual systems lack, and doesn't require an external computer to make it work.

Classifications:

International (IPC 8-9): A63J17/00 (Advanced/Invention);

A63J17/00 (Core/Invention)

International (IPC 1-7): A63J17/00



Family:

Publication number	Publication date	Application number	Application date
ES2156088 AA	20010601	ES19990002158	19990927
ES2156088 BA	20020301	ES19990002158	19990927

Priority:

ES19990002158 19990927

Probable Assignee:

TEMPORAL SEQUI LUIS

Assignee(s): (std):

TEMPORAL SEQUI LUIS

Inventor(s): (std):

TEMPORAL SEQUI LUIS

Title: LED DISPLAY SYSTEM WITH EMBEDDED MICROPROCESSORS

Abstract: An LED display system with embedded microprocessors is disclosed. It includes an image signal source, an image capture controller, a digital multiplexed encoder, a digital multiplexed decoder and a LED display panel. The image signal source provides signals of static or dynamic images. The image capture controller transmits the control signals and image data. The digital multiplexed encoder is for data encoding and debugging. The digital multiplexed decoder is for data decoding to obtain the color signals, which provides LED with curve correction. The LED display panel displays static or dynamic images. The LED display system could transform images stored in the computer into signals for controlling LED brightness so image data can be transmitted to LED display panel and displayed on the LED display panel successfully.

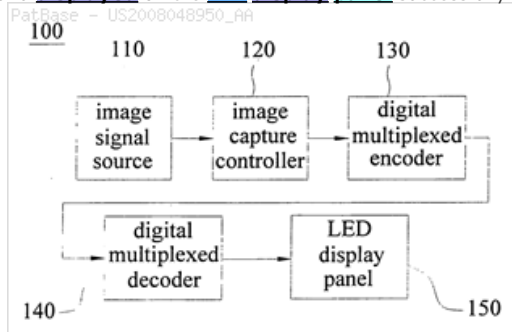
Classifications:

International (IPC 8-9): G09G3/32 (Advanced/Invention);
G09G3/32 (Core/Invention)

CPC: G06F3/147 G09G3/2014 G09G3/32 G09G2320/0242
G09G2320/0276 G09G2320/043

European: G09G3/32 S06F3/147 S09G3/20G4 S09G320/02H
S09G320/02P2 S09G320/04D

US: 345/82 345/82P



Family:

Publication number	Publication date	Application number	Application date
US2008048950 AA	20080228	US20060508252	20060823

Priority:

US20060508252 20060823

Probable Assignee: LEE SHUENN YUH

Assignee(s): (std): HE DUNG HAN ; LEE SHUENN YUH ; WANG TAI LIA

Inventor(s): (std): HE DUNG HAN ; LEE SHUENN YUH ; WANG TAI LIA

Agent(s): ROSENBERG KLEIN AND LEE

Title: PORTABLE ELO CALCULATOR DEVICE FOR CALCULATING WON/LOST POINTS AFTER MATCH IN CHESS FIELD, HAS PRINTED CIRCUIT AND SINGLE CHIP **MICROPROCESSOR** TO TRANSMIT DATA INPUT BY BUTTONS, AND TO OBTAIN RESULT TO BE **DISPLAYED** BY **LED**/LCD **DISPLAY**

Abstract: The device has a casing comprising fifteen buttons that are arranged at an outer side of the casing and are used for inputting input data. The casing comprises a printed circuit and a single chip **microprocessor** to transmit the data and to obtain a result. An **LED** or LCD **display displays** the result. A lower part of the casing comprises a space to receive a battery for supplying electric power to the device. An upper part of the casing comprises photovoltaic cells for supplying solar energy to the device.

Classifications:

International (IPC 8-9): A63B71/06 G06F15/02 (Advanced/Invention)

CPC: A63F3/00895 A63F2011/0053 G06F15/025

European: G06F15/02S K63F11/00V2 K63F3/00Q

Family:

Publication number	Publication date	Application number	Application date
FR2960321 A1	20111125	FR20100002112	20100519

Priority:

FR20100002112 20100519

Probable Assignee: RAJESH K X

Assignee(s): (std): RAJESH K X

Assignee(s): X RAJESH K

Inventor(s): (std): RAJESH K X

Inventor(s): X RAJESH K

Agent(s): RAJESH K

Search history

Search 1: TAC= (LED AND (*CONTROLLER* OR *PROCESSOR*) AND (POTENTIOMETER* OR VARIABLE RESISTOR* OR VARIABLE RESISTANCE*) AND (MODULE* OR PACKAGE* OR ENCAPSULATED* OR SET OR BOARD* OR DISPLAY OR MATRIX OR PANEL) AND SPEED AND INTENSITY) (Results 31)

Search 2: [SP]: equipo de guiado dinámico presente invención se refiere a un equipo de guiado dinámico consistente en una pluralidad de encapsulados o carcasas orientables ubicadas linealmente en serie, las cuales albergan pantallas o placas pcb de led, y en el que dichas placas están gestionadas externamente por un controlador electrónico, estando todo el cableado de conexión protegido y oculto en las propias carcasas o encapsulados que protegen a las placas. el campo de aplicación de la presente invención es el sector de los sistemas de seguridad y guiado en casos de emergencia o señalización, y más concretamente esta dirigido a dichos sistemas que se basan o requieren de equipos de iluminación. (Results 0)

Search 3: STAC= (LED AND (*CONTROLLER* OR *PROCESSOR*) AND (POTENTIOMETER* OR VARIABLE RESISTOR* OR VARIABLE RESISTANCE*) AND (MODULE* OR PACKAGE* OR ENCAPSULATED* OR SET OR BOARD* OR DISPLAY OR MATRIX OR PANEL) AND SPEED AND INTENSITY) (Results 17)

Search 4: LED and (MODULE* OR PACKAGE* OR ENCAPSULATED* OR SET OR BOARD* OR DISPLAY OR MATRIX OR PANEL) (Results 1000000)

Search 5: 4 AND (*CONTROLLER* OR *PROCESSOR*) (Results 370308)

Search 6: 5 and (PCB or printed circuit board) (Results 36882)

Search 7: 6 and light* (Results 31895)

Search 8: 7 and (power supply or batter* or source or power source) and (POTENTIOMETER* OR VARIABLE RESISTOR* OR VARIABLE RESISTANCE*) (Results 2664)

Search 9: 8 and guid* (Results 1290)

Search 10: (9) AND IPC=(G06 OR H04 OR G08 OR H01 OR H02 OR F21) (Results 764)

Search 11: 10 and wir* (Results 696)

Search 12: 11 and STAC= (LED AND (*CONTROLLER* OR *PROCESSOR*) AND (MODULE* OR PACKAGE* OR ENCAPSULATED* OR SET OR BOARD* OR DISPLAY OR MATRIX OR PANEL)) (Results 86)

Search 13: 12 and TAC = (POTENTIOMETER* OR VARIABLE RESISTOR* OR VARIABLE RESISTANCE*) (Results 24)

Title: TELEMETRY SYSTEM WITH WIRELESS POWER RECEIVER AND MONITORING DEVICES

Abstract: A wireless power receiver includes a rectifier coupled to an antenna. The antenna receives a wireless power signal, and converts the signal to a direct current input signal. A direct current-to-direct current converter generates a direct current output signal based in part on the direct current input signal and a pulse-width modulation signal. A pulse modulator is configured to adjust an alternating current impedance of the wireless power receiver by modifying, based in part on the direct current input signal, a duty cycle of the pulse-width modulation signal to the direct current-to-direct current converter. A monitoring device is in communication with the rectifier and the pulse modulator. The monitoring device has one or more sensors and a unique user ID. The one or more sensors acquire user information selected from of at least one of, a user's activities, behaviors and habit information. ID circuitry is at the monitoring device.

Classifications:

International (IPC 8-9): A44C5/00 A44C5/20 A61B10/00 A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/024 A61B5/04 A61B5/0404 A61B5/0456 A61B5/08 A61B5/103 A61B5/11 A61B5/113 A61B5/117 A61B5/145 A61B5/1455 A61B5/16 A61B5/22 A61B7/00 A61B7/02 A61B7/04 A61B90/90 A61B90/98 A61M21/02 A63B24/00 G01D4/00 G01K13/00 G05B19/00 G06F1/16 G06F15/16 G06F19/00 G06F21/00 G06F3/01 G06F9/44 G06F9/445 G06K19/04 G06K19/077 G06K7/10 G06Q10/00 G06Q10/10 G06Q20/02 G06Q20/08 G06Q20/32 G06Q20/40 G06Q40/00 G06Q40/04 G06Q50/24 G08B1/08 G08B19/00 G08B21/00 G08B21/02 G08B21/24 G08B23/00 G08B29/00 G08B5/36 G08C15/06 G08C15/08 G08C17/00 G08C17/02 G08C19/06 G08C19/16 G08C19/20 G08C19/22 G09F3/00 G10L21/00 G11B20/10 H01F27/42 H01F37/00 H01F38/00 H01F38/14 H02J17/00 H02J5/00 H02J50/10 H02J50/40 H02J50/80 H02J7/00 H02J7/02 H04B5/00 H04B5/02 H04L12/26 H04L29/00 H04L29/06 H04L29/08 H04L7/00 H04M11/00 H04M11/04 H04N7/14 H04N7/18 H04Q9/00 H04W4/00 H04W4/02 H04W4/08 H04W4/20 (Advanced/Invention);

A61B5/00 A61B5/01 A61B5/0205 A61B5/024 A61B5/05 A61B5/08 A61B5/103 A61B5/11 A61B5/113 A61B5/16 A61B90/30 A61M21/00 A63B24/00 C08L83/04 C09D183/00 G01C22/00 G06F19/00 G06F9/445 G08B21/04 H02J7/00 H02J7/02 H04L29/08 H04M11/725 H04M11/00 H04W4/02 (Advanced/Non-invention)

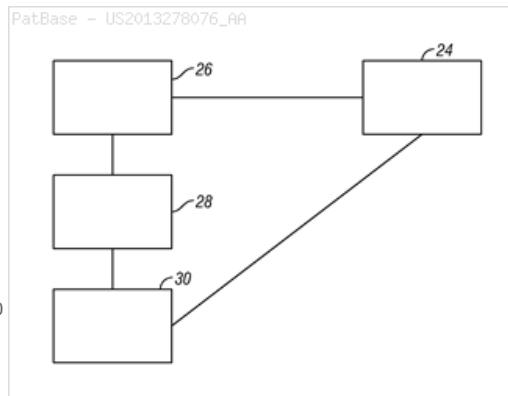
CPC: H04L65/403 H01F38/14 G06F8/65 G06Q20/322 G06Q50/24 G08B21/24 G08B23/00 G01D4/002 G10L21/00 A61B5/0026 A61B5/02 G06Q10/00 A61B2560/0219 H02J7/0044 G06Q40/00 A61B5/117 A61B5/0004 A61B5/7271 G01D4/004 H04L43/18 A61B5/0075 A61B2560/0242 A61B2560/0443 H04M1/72569 A44C5/0007 H04L67/20 H04L67/306 H04W4/08 H04M11/002 A61B5/683 G01C22/006 H04W4/00 H04W4/027 A44C5/2071 A61B5/721 A61B5/7425 G08B21/0423 G08B21/0453 H04M1/7253 H04M2250/10 A61B5/0015 H02J50/60 G06F1/163 A44C5/0053 A44D2203/00 A61B5/024 A61B5/6807 A61B5/681 A61B5/7465 A61B5/747 H04L67/125 H02J50/40 H04B5/0031 H04B5/02 A61B5/002 A61B5/02427 A61B5/165 A61B5/7435 A61B2560/0456 A61B2562/12 C08L83/04 C09D183/00 G01K13/002 G06F19/3481 A61B2562/029 A61B5/113 A61B5/6889 A61B2505/07 H04N7/183 G06F8/60 G06F8/61 G11B20/10527 G08B5/36 G08B21/02 H04N5/772 A61B5/0402 A61B5/0476 A61B5/4845 A61B2503/04 A61B2560/0252 A61B2562/0204 A61B5/1121 A61B5/7475 A61B5/0059 H02J50/20 A61B2562/0219 A61B2562/0271 A61B5/7285 A61B5/1126 A61B5/6891 A61B5/08 A61B5/746 H04W4/02 A61B5/7214 A61B5/11 A61B2560/0247 Y10T307/753 A61B5/1123 A61B5/7405 A61B5/742 A61B5/0205 A61B5/02405 A61B5/0404 A61B5/0816 A61B5/103 A61B5/14532 A61B5/14551 A61B5/222 A61B2505/09 A61B5/4094 A61B7/02 A61B5/4818 A61B7/003 A61B5/0255 A61B5/0803 H04B5/0037 G06F19/3418 G06Q10/10 A61M21/02 A61B5/4836 A61M2021/005 A61B5/7275 A61B5/221 A61B5/0008 A61B5/145 A61B5/0456 G06Q20/02 G06K7/10891 G06F3/017 H04M2250/12 A44C5/0015 G06Q40/04 G06Q20/0855 H04W48/16 H04L67/02 A61B5/0024 A63B24/0062 G08C17/02 H04Q2209/43 H04Q2209/823 A61B10/0012 G06K19/04 G06K19/07758 A61B5/4806 A61B2560/0475 A61B5/486 A61B5/6802 A61B5/4848 A61B5/4809 A61B5/4815 A61B5/7225 H02J50/00 A61B5/443 A61B5/743 A61B2562/0233 H04Q9/00 G06Q20/405 G06K19/07762 G06Q10/08 H02J50/80 G06K9/00355 G06K9/00557 G06K9/6218 G06K9/6293 A61B90/90 A61B90/98 A61B5/4812 H04L67/12 H04L67/22 G06K9/00771 G06K2009/00738 G06K9/00335 Y02P90/84 A61B5/0002 H02J50/12 H02J50/10 A61B5/0022 A61B5/02055 A61B5/6831 A61B2560/0214 A61B2562/08 H02J17/00 H02J2007/0096 G16H40/63 G16H50/20 A61B5/02438 A61B5/6823 A61B5/01 A61B5/1112 A61B5/4842 A61B5/6898 A61B5/7264 A61B2560/0209 A61B2562/0257 A61B5/1118 G06F8/656 G16H10/60 G16H15/00 G16H50/30 H04W4/029 H04W4/21 Y02D10/42 G06F19/00 A61B7/026 A61B7/04 A61B5/0507 A61B5/1032 A61B5/1102 A61B2560/0257 G16H40/67 H04W4/008 H04W4/206 H04W4/028 A61B5/749 A61M2021/0027 H02J7/025 H04W4/70 H04W4/80

US: 1/1 235/492 307/104 307/114 320/108 320/115 340/12.5 340/539.11 340/539.12 340/539.22 340/573.1 340/870.01 340/870.02 340/870.03 340/870.07 340/870.09 340/870.11 340/870.16 348/143 381/56 600/27 600/301 600/324 600/476 600/549 600/586 600/595 63/1.11 63/1.13 700/91 702/19 704/275 705/3 705/37 705/39 705/44 709/204 709/224 717/168 717/172 D11/5

Locarno class: 11/01

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: FITBIT INC

Assignee(s): (std): FITBIT INC ; HELLO INC ; PROUD JAMES ; SHOOK ROBERT

Assignee(s): HELLO ASSIGNMENT FOR BENEFIT OF CREDITORS LLC

Inventor(s): (std): ASGARIAN HAMID ; FAN BRYAN ; FERNANDEZ JOAQUIN ; JOHNSON CHRIS ; JOSEPH BENJAMIN ; MORSHIGE KEVIN ; PROUD JAMES ; SHOOK ROBERT ; KELLEY JOHN ; HELLO INC ; FUSI DANIELE ; FULTON JOHN

Agent(s): PAUL; MINTZ; MINTZ LEVIN; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC; BEYER LAW GROUP LLP; HOGAN LOVELLS US LLP; DAVIS PAUL ET AL

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

Title: WIRELESS LIGHTING CONTROL SYSTEM

Abstract: A lighting device includes a DC/DC power converter, a controller/processor electrically connected to the DC/DC power converter, a light emitting diode (LED) current control circuit communicably coupled to the controller/processor and electrically connected to the DC/DC power converter, and two or more LEDs comprising at least a first color LED and a second color LED electrically connected to the LED current control circuit. The LED current control circuit provides an on/off signal having a cycle time to each LED in response to one or more control signals received from the controller/processor such that the two or more LEDs produce a blended light having a specified color based on how long each LED is turned ON and/or OFF during the cycle time.

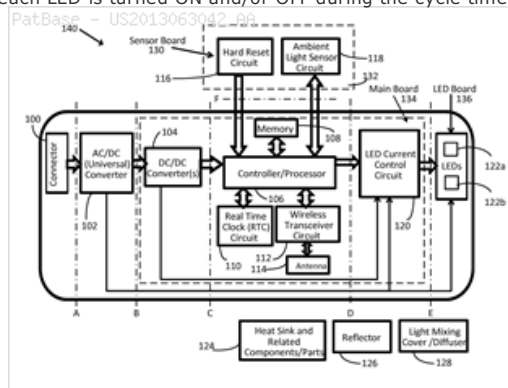
Classifications:

International (IPC 8-9): F21S8/04 F21V19/00 F21V23/00 F21V23/06 F21V29/77 F21V3/00 F21V31/00 F21V7/00 G08B5/36 G08C15/06 G08C17/02 H02J13/00 H04B1/40 H04L29/06 H04L29/14 H04Q11/04 H04Q9/00 H04Q9/02 H04W4/00 H04W4/02 H04W4/06 H04W40/20 H04W48/02 H04W52/02 H04W52/24 H04W52/52 H04W76/02 H05B33/08 H05B33/08 (Advanced/Invention); H05B33/08 (Advanced/Non-invention)

CPC: H05B33/0842 H05B33/0863 H05B33/0869 H05B33/0845 H05B37/0227 H05B33/0866 H05B33/0872 F21V23/06 F21V31/00 F21V3/00 F21V7/00 H05B33/0854 H05B33/0815 F21S8/04 F21V29/77 F21V19/006 F21Y2115/10 F21Y2113/10 H05B37/0218 H05B37/0272 H05B37/0281 H04B1/40 G08C2201/12 G08C2201/30 H04W4/005 G08C15/06 H04Q11/0407 H04W52/0225 H04W4/021 H04Q2213/02 H04W52/245 H04W4/06 H04L69/18 H04W52/283 H04W52/52 G08C2201/93 H04L67/125 H04W52/0241 H04W52/0245 F21K9/238 F21V23/003 H04B17/27 H04B17/318 H04W52/367 H04W52/383 H04W24/02 H04W84/20 Y02B20/42 Y02B20/46 H04W52/247 G08C17/02 H04Q2213/13098 Y02D70/1262 Y02D70/142 Y02D70/144 Y02D70/146 Y02D70/162 Y02D70/164 Y02D70/22 Y02D70/166 H04W4/38 H04W4/80 H04W40/20 H04W76/15 H04W4/70 H04L69/40

European: H05B33/08D3K2U H05B37/02B6R

US: 1/1 315/113 315/151 315/153 315/154 315/185R 315/186 315/201 315/210 315/292 315/297 315/307 315/308 315/34 340/12.5 340/539.13 370/252

**Family:**

Publication number	Publication date	Application number	Application date
■ CN107852026 A	20180327	CN201680044070	20160707
■ DE602012042374 D1	20180301	DE201260042374T	20120510
■ EP2684428 A2	20140115	EP20120774216	20120510
■ EP2684428 A4	20151007	EP20120774216	20120510
■ EP2684428 B1	20180124	EP20120774216	20120510
■ EP3320598 A1	20180516	EP20160821999	20160707
■ EP3320702 A1	20180516	EP20160821977	20160707
■ IN201817004612 A	20180504	IN201817004612	20180207
■ IN201817004668 A	20180511	IN201817004668	20180207
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Probable Assignee: ILUMI SOLUTIONS INC

Assignee(s): (std): BORA SWAPNIL ; EGAN COREY ; ILUMI SOLUTIONS INC ; ILUMI SOLUTIONS INC
Assignee(s): ILUMI SOLUTIONS INC DALLAS
Inventor(s): (std): BORA SWAPNIL ; EGAN COREY ; TANG QINGHUI
Inventor(s): EGAN COREY DALLAS
Agent(s): VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; SONN AND PARTNER
PATENTANWAELTE; BARKER BRETTELL LLP; CHALKER FLORES LLP; DANIEL J; EDWIN S; CHALKER DANIEL J
ET AL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU
CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN
IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW
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SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: INTELLIGENT DOOR LOCK SYSTEM

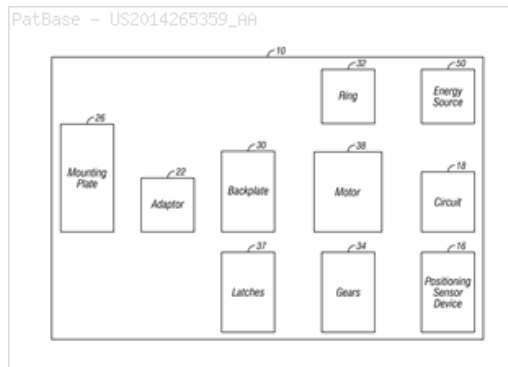
Abstract: An intelligent door lock system is provided with a position sensing device configured to be coupled to a drive shaft of a lock device. The position sensing device senses position of the drive shaft and assists in locking and unlocking a lock of a lock device. An engine is provided with a memory coupled to the positioning sensing device. A circuit is coupled to the engine and an energy source is coupled to the circuit. A device converts energy into mechanical energy and is coupled to the circuit, positioning sensing device and the drive shaft. The device that converts energy is coupled to the energy source to receive energy from the energy source.

Classifications:

International (IPC 8-9): B60R25/00 E05B1/00 E05B17/00 E05B17/10 E05B39/00 E05B39/04 E05B41/00 E05B45/00 E05B45/06 E05B47/00 E05B47/02 E05B49/00 E05B53/00 E05B55/12 E05B63/00 E05B63/04 E05B63/06 E05B65/06 E05B81/54 E05C1/00 E05C1/06 E05D15/50 E05F15/20 G05B1/00 G05B19/00 G05B23/00 G06F3/0488 G06F7/00 G06F7/04 G06F9/445 G06K19/00 G06K9/00 G07C9/00 G08B1/00 G08B1/08 G08B13/14 G08B13/196 G08B17/10 G08B23/00 G08B25/00 G08B29/00 G08B29/18 G08B6/00 G08C19/00 G08C19/12 G08C23/02 H04B1/00 H04B1/38 H04B3/00 H04B3/36 H04B7/00 H04L12/40 H04L29/06 H04L29/08 H04N5/232 H04N7/18 H04Q1/00 H04Q9/00 H04W12/04 H04W12/06 H04W12/10 H04W24/08 H04W4/00 H04W4/02 H04W4/04 H04W4/18 H04W84/12 (Advanced/Invention); E05B45/06 E05B47/00 E05C3/06 G05B19/00 G05B23/00 G06F7/00 G06F7/04 G06K19/00 G08B29/00 G08C19/00 H04B1/00 H04B1/38 H04B1/3827 H04B3/00 H04L29/06 H04Q1/00 H04Q9/00 H04W12/06 H04W4/00 H04W84/12 (Advanced/Non-invention)

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US: 1/1 292/144 340/5.21 340/5.28 340/5.54 340/5.61 340/5.7 340/539.14 340/542 348/152 348/155 348/159 455/41.2 70/91 713/168 717/172



Family:

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Probable Assignee: AUGUST HOME INC

Assignee(s): (std): AUGUST HOME INC ; JOHNSON JASON

Assignee(s): KIM CHRISTOPHER ; CHENG SHIH YU THOMAS ; ARANDA JOSEPH

Inventor(s): (std): ARANDA JOSEPH ; BARADEL LUCA ; CALDWELL JOHN ; CHENG SHIH YU THOMAS ; CURRY MASON ; DOW CHRISTOPHER ; FORNELL PETER ; FORNELL PETER ALF JOAKIM ; GIDWANI SIDDHARTH ; JOHNSON JASON ; KIM CHRIS ; KIM CHRISTOPHER ; LETOURNEUR HERVE JACQUES CLEMENT ; LOWE GILES ; MAINWARING KUY N ; PETTY SHANNON ; RANDO ROLF ; RUSSO THOMAS PETER ; SIVASAMBU KARTHIKEYAN ; SRINIVASAN BHARADWAJ ; UNADKAT TEJASH

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; PAUL; BEYER LAW GROUP LLP; WOLF GREENFIELD AND SACKS PC; DAVIS PAUL ET AL; DAVIS PAUL

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

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 A61B5/05 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 A61P9/10 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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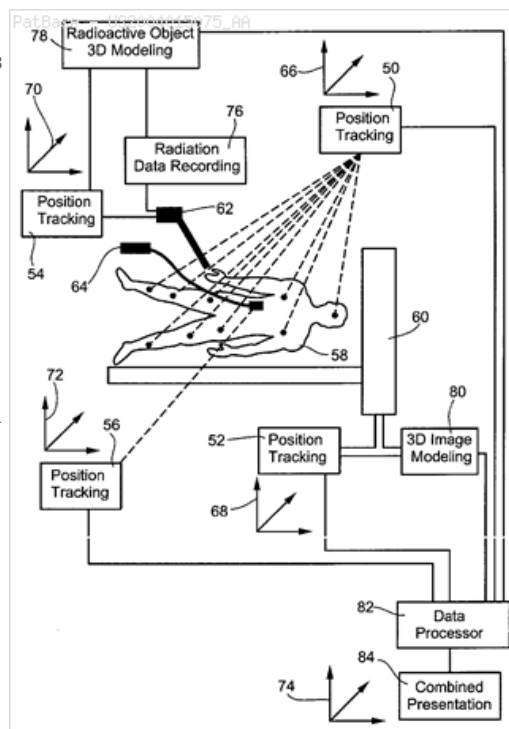
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Family:

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

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SPRUSON AND FERGUSON; BULL HOUSSER 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

Designated states: COHEN LLP; MARTIN D MOYNIHAN PRTSI INC; MARTIN D MOYNIHAN PRTSI; MARTIN D MOYNIHAN D B A PRTSI INC; WILLIAM H DIPPERT ECKERT SEAMANS CHERIN AND MELLOTT LLC; WOLF BLOCK SCHORR AND SOLIS COHEN LLP; DIPPERT 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
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: FACILITATING MOBILE DEVICE PAYMENTS USING PRODUCT CODE SCANNING

Abstract: Provided are computer implemented methods and systems for facilitating mobile device payments using barcodes displayed on mobile devices and scanned by merchants at checkout counters. When a customer is ready to tender a payment to a merchant, instead of using a credit card, cash, or check, the customer activates an application on his mobile device. The mobile device includes or obtains information about the payment system of this merchant. Furthermore, the mobile device includes or obtains information about the customer/mobile device user and then uses these two pieces of information to generate and display a barcode that encodes customer payment information specific to this merchant. The barcode is scanned at the checkout counter and processed to retrieve customer records from a database of the payment processing system. These records are then used to transfer funds between the merchant and customer, obtain discounts, and/or perform other retail transactions.

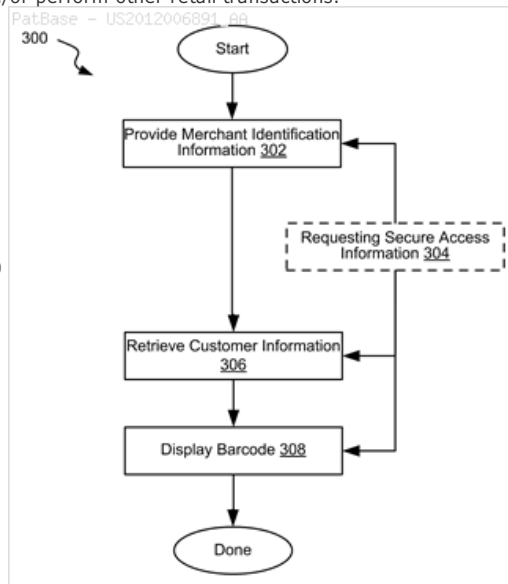
Classifications:

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US20180885970	20180201				

Probable Assignee: AMOBILEPAY INC

Assignee(s): (std): WORLD AWARD ACAD WORLD AWARD FOUND AMOBILEPAY INC ; WORLD AWARD ACAD ; WORLD AWARD FOUND ; WORLD AWARD ACADEMY WORLD AWARD FOUND AMOBILEPAY INC ; ZHOU DYLAN T X ; ZHOU TIGER T G ; ZHOU ANDREW H B ; ZHOU DYLAN ; ZHOU TIGER ; ZHOU ANDREW ; ZHOU TIANXING ; ZHOU HAIBIN ; ZHOU TIANGE ; ZHOU DYLAN TX ; XING ZHOU TIAN ; AMOBILEPAY INC ; CHENG WESLEY ; DYLAN ZHOU ; GRONBERG MARTIN ; XING ZHOU ; ZHOU ANDREW HAI BIN ; ZHOU TIAN XING ; ZHOU TIGER TIAN GE

Assignee(s): ZHOU TIGER TG ; TRAN BAO ; VENTURE LENDING AND LEASING IV INC ; WORLD AWARD ACADEMY ; WORLD AWARD ACADEMY WORLD AWARD FOUNDATION AMOBILEPAY INC ; WORLD AWARD FOUNDATION ; ZHOU ANDREW HB

Inventor(s): (std): XI MARY M Z ; XING ZHOU TIAN ; ZHOU TIGER TIAN GE ; ZHOU ANDREW HAI BIN ; DYLAN ZHOU ; ZHOU TIGER T G ; ZHOU TIGER ; ZHOU TIAN XING ; ZHOU DYLAN TX ; ZHOU DYLAN T X ; ZHOU DYLAN ; ZHOU ANDREW H B ; ZHOU ANDREW ; XING ZHOU ; GRONBERG MARTIN ; CHENG WESLEY ; ZHOU TIANXING ; ZHOU TIANGE ; ZHOU HAIBIN

Inventor(s): ZHOU ANDREW HB ; ZHOU TIGER TG

Agent(s): TEALL CHARLOTTE; TRAN AND ASSOCIATES; PATENT JURIST; GEORGIY L; WWWNIELSENPATENTSCOM; STEVEN A; GEORGLY L; KHAYET GEORGIY L

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

Title: ON-LINE WEB ACCESSED ENERGY METER

Abstract: An electrical metering system capable of performing multiple metering functions, collecting data, and wirelessly provides the collected metering data to a utility operator. In the electrical metering system, at least one computing device for initiating a request for data. A first modem connects the computing device to an infrastructure. A wireless embedded modem for wirelessly connects an electric meter to an infrastructure, and the wireless electric modem receives a request from the computing device and wirelessly transmits the metering data to the computing device, thereby initiating the request.

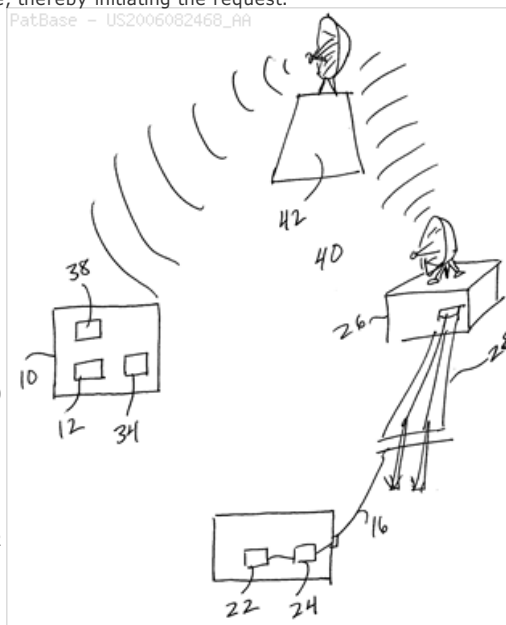
Classifications:

International (IPC 8-9): G01D4/00 G01R1/00 G01R1/30 G01R1/40 G01R11/00 G01R11/32 G01R11/48 G01R11/63 G01R13/00 G01R13/02 G01R15/08 G01R19/00 G01R19/02 G01R19/04 G01R19/18 G01R19/22 G01R19/25 G01R21/00 G01R21/06 G01R21/133 G01R22/06 G01R22/10 G01R29/00 G01R35/00 G05B19/042 G06F11/30 G06F15/00 G06F15/16 G06F15/167 G06F17/00 G06F17/10 G06F17/30 G06F17/40 G06F19/00 G06F21/12 G06F21/14 G06F21/57 G06F21/60 G06F3/0484 G06F3/06 G06F7/00 G06F9/445 G06Q50/06 G06T11/20 G08B23/00 G08C15/00 G08C15/06 G08C17/02 G12B13/00 H02B1/03 H03M1/12 H04B3/54 H04L12/26 H04L12/28 H04L12/58 H04L29/06 H04L29/08 H04M11/00 H04Q7/20 H04W24/00 H05K1/14 (Advanced/Invention); G01R11/48 G01R11/56 G01R13/00 G01R13/02 G01R19/25 G01R21/00 G01R21/06 G01R22/00 G01R22/10 (Advanced/Non-invention); G01R11/00 G01R13/00 G01R19/00 G01R19/22 G01R21/00 G01R22/06 G01R35/00 G06F15/00 G06F15/16 G06F17/30 G06F17/40 G06F19/00 G08B23/00 G08C15/00 H03M1/12 H04M11/00 H04Q7/20 (Core/Invention)

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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: ELECTRO IND GAUGE TECH

Assignee(s): (std): BANHEGYESI TIBOR ; BANKER PATRICIA E ; ELECTRIC IND GAUGE TECH ; ELECTRO IND GAUGETECH ;
ELECTRO IND GAUGE TECH ; SIQUEIRA DA SILVA DULCIANE ; SLOTA FREDERICK B ; KAGAN ERRAN ;
KOVAL RORY A ; KAGAN ANDREW ; ZHU HAI ; WANG WEI ; SPANIER JOSEPH ; WERNER ANDREW J ; TECH
ELECTRO IND GAUGE

Assignee(s): ELECTRO INDUSTRIES GAUGE TECH ; ELECTRO INDUSTRIES GAUGETECH ; ELECTRO IND ; ELECTRO IND AND GAUGE TECH

Inventor(s): (std): BANHEGYESI TIBOR ; BANKER PATRICA E ; KAGAN ANDREW ; BANKER PATRICIA E ; ELECTRO INDUSTRIES GAUGE TECH ; ELECTRO IND GAUGE TECH ; KAGAN ERRAN ; SPANIER JOSEPH ; SIQUEIRA DA SILVA DULCIANE ; SLOTA FREDERICK B ; KOVAL RORY A ; POLAR JORGE ; TANG XINLU ; SEMINARIO JORGE A POLAR ; WANG WEI ; ZHU HAI ; WERNER ANDREW J

Agent(s): DILWORTH AND BARRESE LLP; CASELLA AND HESPOS; ELECTRO IND GAUGETECH C O CASELLA AND HESPOS LLP; ELECTRO INDUSTRIES/ GAUGETECH,C/O HESPOS AND PORCO LLP; ELECTRO IND GAUGETECH C O HESPOS AND PORCO LLP; GERALD E HESPOS ESQ HESPOS AND PORCO LLP; GERALD E; ANTHONY J; HESPOS GERALD E; CASELLA ANTHONY J; PORCO MICHAEL J; MICHAEL J; GERLAD E; MATTHEW T

Title: APPLIANCE CONTROL SYSTEM WITH HYPERSPIN MODE

Abstract: A power controller for an appliance, especially a washing machine, is operative to place the appliance into a hyperspin mode. When in the hyperspin mode, the washing machine rotates its washing basket at a higher speed in relation to a traditional spin mode for the washing machine. In order to prevent damage to the washing machine that could result from spinning heavier, unbalanced loads at higher speeds (i.e. hyperspin speeds), a controller detects vibration of the washing machine basket while the items are being spun at a lower speed (i.e. at the speed of the traditional spin mode). If the washing basket vibration is less than a predetermined threshold vibration value, the washing machine controller operates to cause the washing machine to rotate its washing basket at a higher speed. This results in removal of more water from the clothes being spun dried.

Classifications:

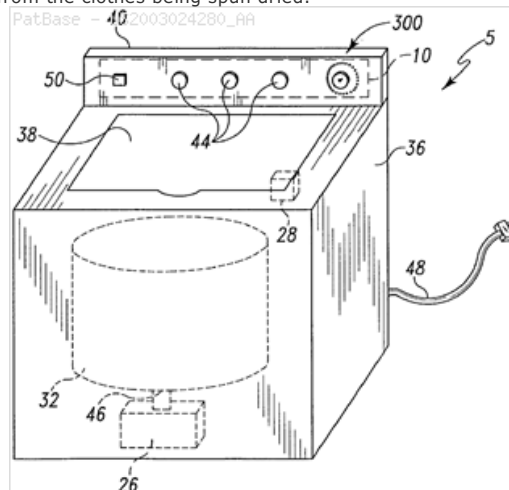
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International (IPC 1-7): D06B1/00 D06F33/00 D06F33/02 D06F35/00 D06F37/20 G05B11/01 G05B15/00 G05B19/00 G05B19/04 G05B19/042 G05B19/05 G05B19/10 H01H19/58 H01H43/10 H01H9/24 H02J1/00 H02J9/00 H02M7/00

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Family:

Publication number	Publication date	Application number	Application date
AT359542 E	20070515	AT20020756909T	20020802
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Probable Assignee: NIDEC MOTOR CORP

Assignee(s): (std): EMERSON ELECTRIC CO ; PETERSON GREGORY A ; STULTZ PETER F

Assignee(s): EMERSON ELECTRIC COMPANY ; NIDEC MOTOR CORP

Inventor(s): (std): PETERSON GREGORY A ; STULTZ PETER F ; STULTZ PETER F PETERSON GREGOR ; GREGORY A PETERSON

Inventor(s): PETER F STULTZ ; PETERSON GREGORY

Agent(s): MAGINOT MOORE AND BECK, BANK ONE CENTER/TOWER; MAGINOT MOORE AND BECK BANK ONE CENTER TOWER; MAGINOT MOORE AND BECK

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 VN YU ZA ZM ZW

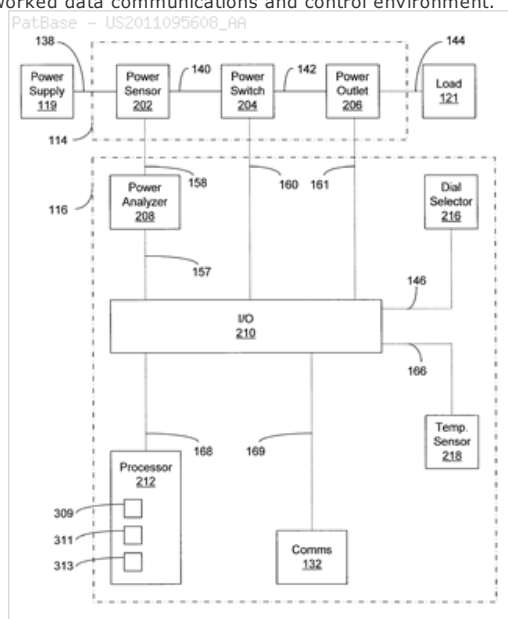
Title: POWER NODE FOR ENERGY MANAGEMENT**Abstract:** A power node provides energy management features in a networked data communications and control environment.**Classifications:**

International (IPC 8-9): A63B71/00 F21K9/232 F21K99/00 F21V23/00 F21V23/04 F21V29/506 F21V3/00 F21V3/02 F21Y101/00 G01D4/00 G01R13/00 G01R21/00 G01R21/133 G05D3/12 G06F1/26 G06F1/28 G06F1/32 G06F11/30 G06F17/00 G06F19/00 G08B21/00 H01R13/66 H01R13/70 H01R13/703 H01R25/00 H02J1/00 H02J13/00 H02J3/00 H02J3/14 H04L12/10 H04L12/16 H04L12/28 H04W4/00 H05B33/08 H05B37/00 H05B37/02 H05K13/00 (Advanced/Invention); F21Y101/00 F21Y101/02 F21Y115/10 (Advanced/Non-invention)

CPC: H04L12/2825 Y02B70/325 Y04S20/228 F21V3/02 G01R21/133 H05B37/02 Y02B70/3266 Y04S20/242 Y02B70/3283 Y04S20/246 G06F1/3209 Y02B20/445 F21V29/506 F21V29/83 Y10T29/49002 Y10T307/461 Y10T307/469 Y10T307/406 Y10T307/74 Y10T307/747 F21V3/00 F21V23/04 Y02B20/19 Y10S362/801 G01D4/002 H01R13/6683 H01R13/703 H01R25/003 H02J3/14 H02J13/0062 H02J2003/143 Y02B90/241 Y02B90/245 Y04S20/32 Y04S20/38 Y04S20/40 H05B33/0851 H05B37/0272 H05B33/0848 Y02B70/3225 Y02B90/226 Y02B90/2638 Y04S20/16 Y04S20/222 Y04S40/124 F21K9/232 F21Y2115/10 Y02A30/62 H04W4/80

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**Family:**

Publication number	Publication date	Application number	Application date
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■ CN102668710 A	20120912	CN201080048262	20101018
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Priority:

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Probable Assignee: GREENWAVE SYSTEMS PTE LTD

Assignee(s): (std): WINDSTRUP SONNY ; GREENWAVE REALITY PTE LTD ; JONSSON KARL ; JONSSON KARL S ; GREENWAVE REALITY INC ; MANNICHE MARTIN ; LYONS TIMOTHY ; DIEHL WILLIAM ; GREENWARE SYSTEMS PTE LTD ; GREENWAVE SYSTEMS PTE LTD

Assignee(s): GREENWAVE REALITY ; BSP AGENCY LLC SUCCESSOR AGENT AS ; BUSINESS DEVELOPMENT OF AMERICA CORP ; SILICON VALLEY BANK

Inventor(s): (std): DIEHL WILLIAM ; JONSSON KARL ; JONSSON KARL S ; KARL JONSSON ; LYONS TIMOTHY ; MANNICHE MARTIN ; MARTIN MANNICHE ; SONNY WINDSTRUP ; TIMOTHY LYONS ; WILLIAM DIEHL ; WINDSTRUP SONNY

Agent(s): K AND H BONAPAT; STOLMAR AND PARTNER PATENTANWAELTE PARTG MBB; KEANE PAUL FACHTNA; MOORE BARRY; FRKELLY; Keane Paul Fachtna; BRUCE A; YOUNGS PATENT SERVICES LLC; YOUNG BRUCE

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 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

Title: CENTRIFUGE SYSTEM AND WORKFLOW

Abstract: Systems, methods and apparatus are described for a centrifuge module of a laboratory analysis system. Specimen containers may be weighed, loaded into a centrifuge adapter, and transported to a centrifuge module by an adapter shuttle. A centrifuge adapter gripper may transport the centrifuge adapter into a centrifuge for centrifugation. The centrifuge adapter may be transported by the centrifuge adapter gripper to an adapter shuttle for unloading of the specimen containers, which may be performed by a specimen container gripper. A centrifuge drawer that allows a centrifuge to be extended from its installed position is also described. Additional embodiments pertain to a sequence for replacing, in a centrifuge, a set of centrifuge adapters that have been centrifuged with a set of centrifuge adapters that have not been centrifuged. A sequence for loading specimen containers into centrifuge adapters is also described.

Classifications:

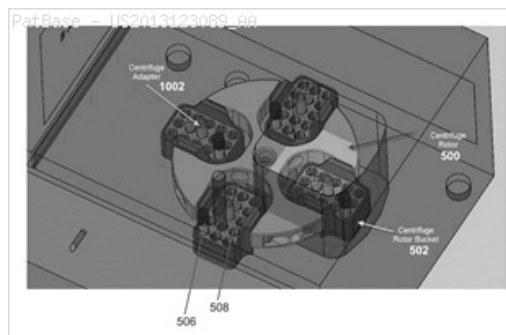
International (IPC 8-9): A61B19/02 B01D21/26 B01L3/00 B04B11/00 B04B11/04 B04B13/00 B04B15/00 B04B5/02 B04B7/02 B04B7/08 B04B9/14 B23Q7/04 B25J11/00 B25J15/04 B25J15/10 B25J19/02 B25J9/00 B29C49/78 B29C65/82 B65B69/00 B65D51/24 B65G11/02 B65G47/28 B66C1/42 G01B11/02 G01B11/08 G01B11/10 G01B11/14 G01B11/24 G01B7/02 G01B7/12 G01F23/00 G01F23/292 G01F23/296 G01G19/00 G01G19/52 G01L19/08 G01M1/14 G01N21/00 G01N21/17 G01N21/27 G01N21/90 G01N31/00 G01N35/00 G01N35/02 G01N35/04 G01N35/10 G01S15/04 G06K9/00 G06M7/00

G06T7/00 (Advanced/Invention);

B01L3/00 B04B11/04 G01N35/10 G01S15/04 (Advanced/Non-invention)

IPC: B01D21/262 G01B11/02 G01B11/08 G01B11/10 G01M1/14 G01B7/12 G01N21/17 B65G11/023 G01F23/0061 B01L3/5021 B04B9/146 B04B2011/046 B65G47/28 G01N2035/00495 G01N2035/0405 G01N2035/0462 G01N2035/0491 G01N2035/1025 G01N2035/1032 B65B69/00 B25J15/0475 G01F23/2962 G01N35/00732 G01S15/04 Y10T29/49826 B23Q7/04 G01L19/08 B65D51/24 B04B2013/006 B25J15/10 B25J19/02 B25J19/021 G01B7/02 G01G19/52 G01B11/14 B25J15/103 A61B50/36 B04B13/00 G01F23/00 G01N35/00584 B04B2009/143 G01N35/0099 G01N35/1009 B04B7/02 B04B7/08 B04B9/14 B04B11/04 B04B15/00 B25J11/00 G01B11/24 G01N21/27 G01N35/04 G01N35/10

US: 1/1 116/200 116/309 193/2R 198/439 198/465.1 206/459.1 29/428 294/106 294/86.4 324/714 348/135 356/213 356/402 356/445 356/614 356/634 356/73 382/128 414/226.01 414/800 422/63 422/67 494/37 494/43 494/83 702/54 702/55 73/460 73/862.68 73/863.01 73/864.23 901/2 901/47

**Family:**

Publication number	Publication date	Application number	Application date
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Probable Assignee: BECKMAN COULTER INC

Assignee(s): (std): BECKMAN COULTER INC

Assignee(s): BCEKMAN COULTER INC

Inventor(s): (std): ALLEN SANTIAGO ; ANDREAS DONNER REHM ; CHEN CHI S ; BEARDEN LUKAS ; CHARLES W JOHNS ; ANDREAS WEIHS ; JOHNS CHARLES W ; GROSS MARK ; GUNZER GERHARD ; EBERHARDT MICHAEL ;

DONNER REHM ANDREAS ; GOTZ JIHAD ; CHI S CHEN ; GERHARD GUNZER ; OTTS STEPHEN ; MURASHIE ED ; MUELLER MARTIN ; QUINT JOSEPH F ; MULLER MARTIN ; MURASHIE EDWARD A ; OTTS STEPHAN L ; OTTS STEPHEN L ; LAUTERBACH SOPHIA ; OTS STEPHEN L ; QUINTER JOSEPH F ; REZOTH SAMUEL H ; JOSEPH F QUINT ; MICHAEL EBERHARDT ; MARTIN MUELLER ; LUKAS BEARDEN ; TROCHMAN ALLAN ; RIZZOTTE SAMUEL H ; WEIHS ANDREAS ; RUECKL STEFAN ; RUCKL STEFAN ; RIZOTTE SAMUEL H ; WIES ANDREAS ; SAMUEL H RIZZOTTE ; STEPHEN OTTS ; STEPHEN L OTTS

Agent(s):

MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; KILPATRICK TOWNSEND AND STOCKTON LLP; JOHNS ATHENA C ET AL; JEWIK PATRICK R ET AL; MALHOTRA REENA ET AL

Designated states:

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Title: UNIVERSAL CONTROL MODULE

Abstract: The universal control module is designed for controlling the operation of a plurality of motors and/or configured for a plurality of different motor applications. In an example, the control module is configurable within a housing of a power tool. The control module includes a top cover, a bottom cover and a printed circuit board (PCB) with control components thereon. The control module includes a spacer configured between the top and bottom covers and attached to the PCB for providing tolerances for the control components during a soldering process to fixedly attach the control components to the PCB.

Classifications:

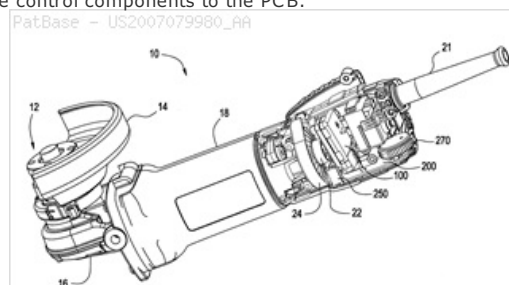
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B25D11/00 B25F5/00 G01R19/00 G06F19/00 H02H3/00 H02H7/00 H02H7/08 H02H7/085 H02K11/00 H02K17/02 H02K23/00 H02K27/00 H02K7/14 H02M5/02 H02P25/02 H02P29/02 H02P6/00 H02P7/00 (Core/Invention)

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European: B24B23/02E B24B55/00 B25F5/00 H02K11/00H1 H02K7/14B H02M5/257C2 H02M7/00D H02P25/14 H02P29/02 T02K7/14B T02M5/257C

US: 173/176 173/178 173/217 173/90 173/90P 318/17 318/400.22 318/400.35 318/432 318/434 318/490 318/700 318/727 361/1 361/23 361/33 361/600 361/704 361/715 361/719 361/720 361/721 361/728 361/742 361/752 388/819 408/124 439/620.1 439/620.15 439/660 439/686 439/687 439/695 439/696 439/76.1 439/79 700/168 700/168P



Family:

Publication number	Publication date	Application number	Application date
AT405027 E	20080815	AT20060122174T	20061012
AT499738 E	20110315	AT20060114561T	20061012
CN201248022 Y	20090527	CN200690000061U	20061012
CN201275751 Y	20090722	CN200620147821U	20061012
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EP1775831 A3	20070711	EP20060122174	20061012
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EP1783882 A3	20161228	EP20060122063	20061011
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EP2874308 A1	20150520	EP20140194539	20061011
US2007079980 AA	20070412	US20060441339	20060526
US2007093928 AA	20070426	US20060545734	20061011
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US7817384 BB	20101019	US20090469376	20090520
US8657031 BB	20140225	US20060441339	20060526
WO07044930 A2	20070419	WO2006US40254	20061012
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Priority:

US20050726011P	20051012	US20060441339	20060526	US20060817085P	20060629
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US20090469376	20090520				

Probable Assignee: BLACK AND DECKER INC

Assignee(s): (std): BLACK AND DECKER INC ; FORSTER MIKE ; BRADUS ROBERT ; KONONENKO GEORGE ; FORSTER MICHAEL K ; GALLAGHER WILLIAM F ; KALBFLEISCH WILLIAM G ; PRIVETT ZOLLIE W ; KONONENKO GEORGE O ; WOODS SAMUEL G ; VANKO JOHN C ; LEH JASON K ; USSELMAN ROBERT A ; MIHAIOVIC ZORAN ; PRIVETT ZALLIE W ; BEARS DAVID ; BEERS DAVID R

Assignee(s): BLACK AND 38 DECKER INC ; BLACK AND DECKER INC NEWARK

Inventor(s): (std): BEARS DAVID ; BEERS DAVID R ; BRADUS ROBERT ; FORSTER MICHAEL K ; FORSTER MIKE ; KONONENKO GEORGE ; KONONENKO GEORGE O ; LEH JASON ; LEH JASON K ; KALBFLEISCH WILLIAM ; MIHAIOVIC ZORAN ; MIHAIOVIC ZORAN ; PRIVETT ZALLIE W ; PRIVETT ZOLLIE W ; USSELMAN ROBERT A ; VANKO

JOHN C ; WOODS SAMUEL G ; VANKO JOHN CHARLES ; KALBFLEISCH WILLIAM G ; GALLAGHER WILLIAM F ;
BEERS DAVID

Inventor(s):

PRIVETT ZOLLIE ; WOODS SAMUEL G BEL AIR ; VANKO JOHN C TIMONIUM ; WOODS SAMUEL ; VANKO
JOHN ; USSELMAN ROBERT ; PRIVETT ZALLIE ; KALBFLEISCH WILLIAM G REISTERSTOWN ; LEH JASON K
PARKVILLE ; FORSTER MIKE WHITE HALL ; GALLAGHER WILLIAM ; GALLAGHER WILLIAM F STEWARTSTOWN
; FORSTER MICHAEL ; BEERS DANIEL R ; BEERS DAVID DALLASTOWN

Agent(s):

BELL IAN STEPHEN; SBD IPADMIN; BELL IAN STEPHEN ET AL; HARNESS DICKEY AND PIERCE PLC; BLACK
AND DECKER CORP; ADAN; AMIR R; AMIR

Designated states:

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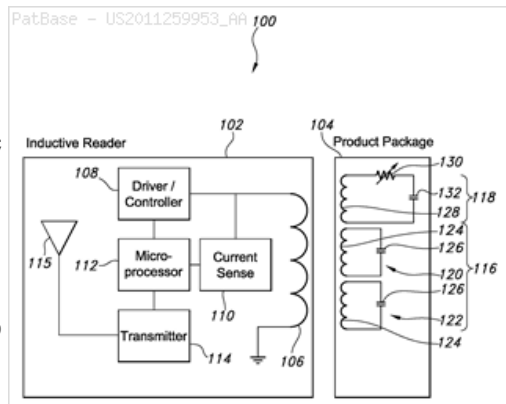
Title: POINT OF SALE INDUCTIVE SYSTEMS AND METHODS

Abstract: Systems and methods for the identification, powering and control of products and product packaging. The systems can include a point of sale display having a contactless power supply. The contactless power supply can provide a source of wireless power for products and product packaging. The products and product packaging can include light emitting diodes, e-ink displays and printed speaker circuits that activate as the operating frequency of the contactless power supply varies. Other embodiments include product level sensors, inductive reader networks, printed temperature sensors, product alignment systems, passive identification circuits and methods for controlling operation of the same.

Classifications:

International (IPC 8-9): A47F1/12 A47F10/02 B65G1/07 D06F75/08 D06F79/02 D06F93/00 G01F23/20 G01F23/24 G01F23/26 G01G19/414 G01G3/00 G01G3/14 G01G7/00 G01K1/02 G06F17/00 G06F3/147 G06K17/00 G06K19/00 G06K19/06 G06K19/067 G06K19/07 G06K19/073 G06K7/01 G06K7/08 G06K7/10 G06Q90/00 H01F21/02 H01F38/14 H02J5/00 H02J50/10 H02J50/80 H02J7/02 H05K13/04 (Advanced/Invention); A47F10/02 G06F3/147 H01F21/02 H01F38/14 (Advanced/Non-invention)
CPC: G01F23/244 H01F38/14 G06K19/0723 G06F3/147 G09G2370/16 G09G2380/04 Y10T29/49002 B05B11/3056 G06K7/086 A47F10/02 D06F93/005 G01F23/20 G01F23/24 G01F23/26 G01G7/00 G01G19/4144 G06K19/0672 G06K19/0717 H01F21/02

European: D06F93/00M G01F23/20 G01F23/24 G01F23/24A4B G01F23/26 G01G19/414C G01G7/00 G06K19/067Q G06K19/07E2 G06K7/08C2Q K47F10/02 T01F21/02 T01F38/14
US: 1/1 235/375 235/375P 235/375S 235/383 235/385 235/385P 235/439 235/439S 235/440 235/440S 235/487 235/492 235/492S 29/592.1 29/592.100S



Family:

Publication number	Publication date	Application number	Application date
CN103109165 A	20130515	CN201180028631	20110408
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CN105136241 A	20151209	CN201510381485	20110408
GB201217528 A0	20121114	GB20120017528	20110408
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JP2013533522 T2	20130822	JP20130503972T	20110408
JP2016167279 A2	20160915	JP20160075248	20160404
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TW201211902 A	20120316	TW20110112164	20110408
TW201619872 A	20160601	TW20160103241	20110408
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Priority:

US20100322056P	20100408	US20100427984P	20101229	CN201180028631	20110408
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Probable Assignee: PHILIPS IP VENTURES BV

Assignee(s): (std): BAARMAN DAVID W ; DEAN CODY D ; MOLLEMA SCOTT A ; STONER JR WILLIAM T ; ACCESS BUSINESS GROUP INT BV ; ACCESS BUSINESS GROUP INT LLC

Assignee(s): ACCESS BUSINESS GROUP INTERNATIONAL LLC ; PHILIPS IP VENTURES BV

Inventor(s): (std): DEAN CODY D ; EURICH SEAN T ; MOLLEMA SCOTT A ; SANFORD KAYLEA W ; SCOTT A MOLLEMA ; STONER JR ; STONER JR WILLIAM T ; STONER WILLIAM T JR ; WILLIAM T STONER JR ; DAVID W BARMAN ; BAARMAN DAVID W

Inventor(s): DAVID W BAARMAN

Agent(s): AOKI ATSUSHI; TSURUTA JUNICHI; WARNER NORCROSS AND JUDD LLP; CIARAVINO VITO A ET AL

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

Title: ON-BOARD TOOL TRACKING SYSTEM AND METHODS OF COMPUTER ASSISTED SURGERY

Abstract: A number of improvements are provided relating to computer aided surgery utilizing an on tool tracking system. The various improvements relate generally to both the methods used during computer aided surgery and the devices used during such procedures. Other improvements relate to the structure of the tools used during a procedure and how the tools can be controlled using the OTT device. Still other improvements relate to methods of providing feedback during a procedure to improve either the efficiency or quality, or both, for a procedure including the rate of and type of data processed depending upon a CAS mode.

Classifications:

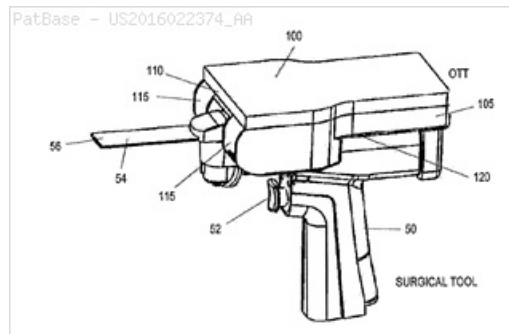
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G06T7/20 (Advanced/Invention);

G06T (Subclass/Invention)

CPC: A61B2017/00734 A61B17/16 A61B2017/00017 A61B2017/00123 A61B2017/00367 A61B2090/0807 A61B2090/363 A61B2090/372 A61B2090/3983 A61B17/17 A61B90/13 A61B2034/2051 A61B2090/371 A61B17/142 A61B34/20 A61B2034/105 A61B2034/2055

US: 606/96



Family:

Publication number	Publication date	Application number	Application date
AU2014228789 AA	20140918	AU20140228789	20140314
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Priority:

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US20140776755 20140314

Probable Assignee: BOARD OF UNIV OF NEBRASKA

Assignee(s): (std): BOARD OF UNIV OF NEBRASKA ; TRAK SURGICAL INC ; UNIV NEBRASKA

Assignee(s): BOARD OF UNIVERSITY OF NEBRASKA ; AL SHAWI IBRAHIM ; BARRERA OSVALDO ANDRES ; BOARD OF NEBRASKA UNIV ; SAUNDERS DAVID SCOTT ; HAIDER HANI

Inventor(s): (std): AL SHAWI IBRAHIM ; BARRERA OSVALDO ANDRES ; HAIDER HANI ; SAUNDERS DAVID SCOTT

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; FETHERSTONHAUGH AND CO; BOOTH CATHERINE LOUISE; ONDA MAKOTO; ONDA HIRONORI; BUCKINGHAM DAVID K ET AL

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

Title: Orientation sensing apparatus

Abstract: Orientation sensing apparatus including a bubble suspended in liquid contained within a transparent cylindrical container, light sources aligned along the cylindrical axis of the container that transmit light via light pathways for illuminating the bubble, light sensors disposed along the circumference of the container that receive light via light pathways for measuring the amount of light reflected from the bubble, and signal processing circuitry for converting the light sensors' readings into an orientation indicating signal for communication to other electronic devices.

Classifications:

International (IPC 8-9): A63F13/06 A63F13/12 G01C9/06 G01C9/36 G01D5/26 G01R19/00 G05G9/047 G06F13/00 G06F15/00 G06F17/30 G06F3/02 G06F3/023 G06F3/033 G06F3/042 G06K9/00 G09B9/04 G09B9/28 G09G5/00 G11B27/00 G11B27/28 H01H9/02 H03F3/08 H04N5/232 H04N5/76 H04N5/91 H04N9/804 H04N9/82 (Advanced/Invention);

A63F13/12 H01H9/02 (Advanced/Non-invention);

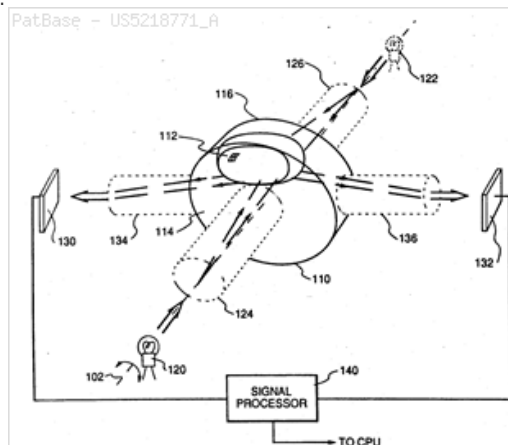
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International (IPC 1-7): A63F9/22 G01C9/06 G01D5/34 G01R19/00 G06F3/033 G06K11/18 G09G5/00 G09G5/08 H01J40/14

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European: A63F13/06 G01C9/06 G01C9/36 G01D5/26 G05G9/047 G06F3/023C G06F3/02A3 G06F3/033 G06F3/033Z2 G06F3/033Z2B G06F3/03H G06F3/042 G06F3/042B G09B9/04 G09B9/28 H03F3/08 K63F300/10A K63F300/10D1 K63F300/10F K63F300/10M K63F300/10N S08C201/320 T01H9/02C4

US: 250/208.2 250/208.5 250/210 250/231.1 250/574 33/366.12 33/366.16 345/158 345/161 345/169 345/179 356/222



Family:

Publication number	Publication date	Application number	Application date
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US5339095 A	19940816	US19910804240	19911205
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Priority:

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Probable Assignee: TV INTERACTIVE DATA CORP

Assignee(s): (std): HON HAI PREC IND CO LTD ; REDFORD PETER M ; TV INTERACTIVE DATA CORP ; TV INT DATA CORP

Assignee(s): BUYPATENTSCOM LLP ; TV INTERACTIVE DATE CORP ; STERN DONALD S ; HON HAI PRECISION IND CO LTD ; HON HAI PRECISION INDUSTRY CO ; HON HAI PRECISION INDUSTRY CO LTD ; INTELLECTUAL ASSET GROUP LLC

Inventor(s): (std): REDFORD PETER M ; STERN DONALD S ; PETER M REDFORD ; DONALD S STERN ; YU GUO JUN ; QIU DONG ; HUANG TENG TSUNG

Inventor(s): GUO-JUN YU ; GUO JUN YU ; DONG,QIU ; DONG QIU

Agent(s): FB RICE; FB RICE PTY LTD; SMART AND BIGGAR

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

Title: WHEEL CHAIR APPARATUS AND METHOD

Abstract: A wheel chair drive apparatus includes a frame having a wheel mount, a battery mount, and a control shaft mount. A drive wheel has a drive motor incorporated within the drive wheel. A battery is in operative communication with the drive motor via a detachable jack. A battery housing is dimensioned to mount in the battery mount of the frame and has a handle. A control shaft pivotably mounted on the control shaft mount, so that it has a stow position, and operating position, a user entry position and a table use position. A caster lever is pivotably mounted to the frame, so that it has a rolling position and an engaged position. The caster lever is disposed to engage a receiving seat on a wheel chair. A locking lever is releasably biased toward a position locking the caster lever in the engaged position.

Classifications:

International (IPC 8-9): A61G5/04 B62D1/00 B62D61/12 H02P7/288 H02P7/29 (Advanced/Invention);

A61G5/10 A61G7/08 (Advanced/Non-invention);
B62D61/00 (Core/Invention)

International (IPC 1-7): B62D1/00 B62D1/02 H02P7/288

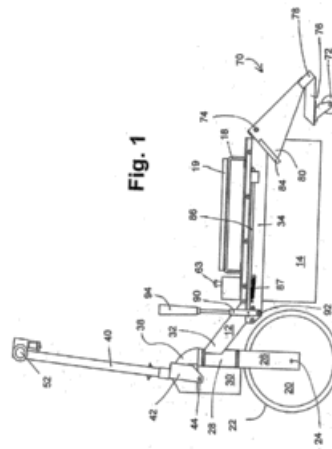
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US: 180/13 180/16 180/16P 180/209 180/58 180/60 180/65.1 180/65.3
180/65.5 310/67.00R 310/67R 388/809 388/811 388/838 388/838P

PatBase - US2005236194_AA

Patent Application Publication Oct. 27, 2005 Sheet 1 of 18 US 2005/0236194 A1



Family:

Publication number	Publication date	Application number	Application date
US2005236194 AA	20051027	US20040832939	20040427
US2005238337 AA	20051027	US20040027648	20041230
US7117967 BB	20061010	US20040832939	20040427
US7174093 BB	20070206	US20040027648	20041230
WO05108185 A2	20051117	WO2005US11258	20050405
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Priority:

US20040832939 20040427 US20040027648 20041230

Probable Assignee: MIDAMERICA ELECTRONICS CORP

Assignee(s): (std): JENKINS JOHN P ; KIDD WILLIAM W ; MIDAMERICA ELECTRONICS CORP

Inventor(s): (std): JENKINS JOHN P ; KIDD WILLIAM W

Inventor(s): JENKINS JOHN ; KIDD WILLIAM

Agent(s): HUSCH AND EPPENBERGER LLC; ROBERT C

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

Title: LOGARITHMIC AMPLIFIER WITH UNIVERSAL DEMODULATION CAPABILITIES

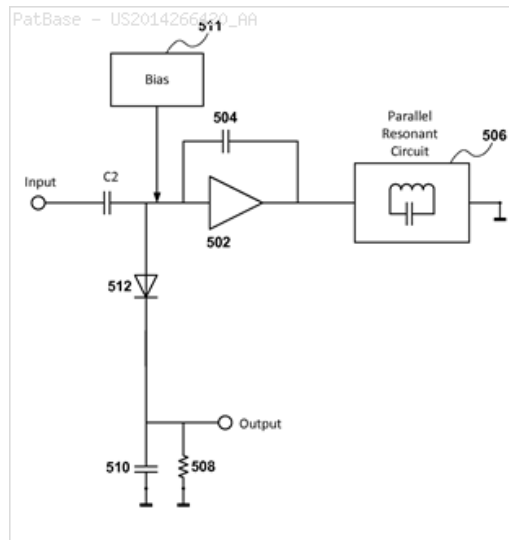
Abstract: A logarithmic amplifier (LDA) is described that includes an amplifier configured to oscillate a modulated input signal, a feedback establishing a 180 degree phase shift between the amplifier input and the output and maintaining oscillation of the input signal, a parallel resonant circuit connected to the amplifier output causing the amplifier to resonate at or around a center frequency, and a controller connected to the amplifier input cyclically terminating oscillation of the input signal each time a pre-determined threshold of current is detected, the controller including a low pass filter configured to generate a second output signal having a repetition frequency. The LDA may be used for AM with or without a PLL and/or a superhetrodyne. The LDA may be implemented as a mixer and used for phase demodulation. The LDA may be used for phase demodulation. The LDA may be used in place of a low noise amplifier.

Classifications:

International (IPC 8-9): B65B31/04 B65B43/00 B65B55/00 G06G7/24 G08C19/28 H01P1/213 H01P5/12 H01P5/19 H01Q1/52 H01Q21/00 H01Q21/28 H01Q3/24 H01Q3/36 H01Q7/00 H01Q9/42 H03B5/00 H03B5/20 H03D1/00 H03D1/04 H03D1/08 H03D1/10 H03D1/18 H03D11/04 H03D11/08 H03D3/00 H03D5/00 H03D7/00 H03D7/02 H03D7/12 H03D7/14 H03D7/16 H03F1/08 H03F1/26 H03F3/04 H03F3/19 H03F3/191 H03G11/04 H03G7/00 H04B1/04 H04B1/10 H04B1/16 H04B1/18 H04B1/26 H04B1/28 H04B1/3827 H04B1/40 H04B1/52 H04B1/525 H04B14/04 H04B15/00 H04B3/00 H04B3/02 H04L27/14 H04L27/38 H04L7/033 H04M1/02 H04W52/52 (Advanced/Invention); H04B3/02 (Advanced/Non-invention)

IPC: H01Q21/0075 H03D1/08 H04B2001/0408 H04B1/0475 H04B3/02 H04B1/10 H04B1/3838 H03D3/005 H04M1/0202 H04B15/00 H01Q3/24 H01Q3/36 H01Q7/00 H01Q9/42 H01Q21/28 H04B1/18 H04B1/525 H03D7/02 H03D7/12 H03D7/16 H03D2200/0043 H03D2200/0098 H03F3/191 H03F3/04 H03D7/166 H03F2200/294 H03F2200/165 H03D7/14 H03G7/001 H04B1/28 H04L27/106 H04L27/2014 H04L27/2017 H03F1/08 H01P5/19 H03G11/04 H03D1/18 H03D3/00 H03D11/04 H03D2200/006 H04B1/26 H04W52/52 H04L27/14 H04L7/033 G06G7/24 H03D11/08 H03F3/24

US: 1/1 327/350 329/319 329/349 329/353 330/294 333/125 343/852 375/285 455/114.2 455/142 455/550.1

**Family:**

Publication number	Publication date	Application number	Application date
CN105359408 A	20160224	CN201480027971	20140314
CN105379152 A	20160302	CN201480027512	20140315
CN105379152 B	20171020	CN201480027512	20140315
CN105453419 A	20160330	CN201480022030	20140314
EP2973994 A1	20160120	EP20140764753	20140314
EP2973994 A4	20170405	EP20140764753	20140314
EP2974000 A1	20160120	EP20140764728	20140314
EP2974000 A4	20170405	EP20140764728	20140314
EP2974085 A2	20160120	EP20140764805	20140315
EP2974085 A4	20170405	EP20140764805	20140315
EP3285406 A1	20180221	EP20170190185	20140315
JP2016512932 T2	20160509	JP20160503231T	20140314
JP2016516364 A2	20160602	JP20160503147	20140314
JP2016516364 T2	20160602	JP20160503147T	20140314
JP2016523003 T2	20160804	JP20160503241T	20140315
JP2018082458 A2	20180524	JP20170250614	20171227
KR101776450 B1	20170919	KR20157029871	20140314
KR20160005690 A	20160115	KR20157029593	20140314
KR20160005692 A	20160115	KR20157029790	20140315
KR20160006678 A	20160119	KR20157029871	20140314
TW201445944 A	20141201	TW20140109742	20140314
TWI597957 B	20170901	TW20140109742	20140314
US2014266420 AA	20140918	US20140214437	20140314
US2014266962 AA	20140918	US20140213897	20140314
US2014269972 AA	20140918	US20140210525	20140314
US2014273898 AA	20140918	US20140213972	20140314
US2014287704 AA	20140925	US20140214579	20140314
US2015207534 AA	20150723	US20150676653	20150401
US2015295543 AA	20151015	US20150750406	20150625
US2016173050 A9	20160616	US20140214437	20140314
US2017222603 AA	20170803	US20170493617	20170421
US2017238269 AA	20170817	US20170493677	20170421
US9048943 BB	20150602	US20140210525	20140314
US9077435 BA	20150707	US20150676653	20150401
US9236892 BB	20160112	US20140214579	20140314
US9263787 BB	20160216	US20140213897	20140314
US9356561 BB	20160531	US20150750406	20150625
US9397382 BB	20160719	US20140214437	20140314
US9684807 BB	20170620	US20140213972	20140314

WO14144919 A1	20140918	WO2014US29521	20140314
WO14144958 A1	20140918	WO2014US29577	20140314
WO14145129 A1	20140918	WO2014US29832	20140314
WO14145162 A2	20140918	WO2014US29878	20140315
WO14145162 A3	20141224	WO2014US29878	20140315
WO14152307 A1	20140925	WO2014US27192	20140314

Priority:

US20130798521P	20130315	US20130789829P	20130315	US20130798829P	20130315
JP20160503231T	20140314	US20140214579	20140314	US20140213897	20140314
US20140210525	20140314	US20140213972	20140314	US20140214437	20140314
WO2014US29577	20140314	WO2014US29832	20140314	EP20140764805	20140315
WO2014US29878	20140315	US20150676653	20150401	US20150750406	20150625
US20170493617	20170421	US20170493677	20170421	JP20170250614	20171227

Probable Assignee: DOCKON AG

Assignee(s): (std): BROWN FORREST JAMES ; DOCKON AG ; DUPUY ALEXANDRE ; RADA PATRICK ANTOINE

Inventor(s): (std): BROWN FORREST ; BROWN FORREST JAMES ; DUPUY ALEXANDRE ; RADA PATRICK ; RADA PATRICK ANTOINE

Inventor(s): ALEXANDRE DUPUY ; FORREST JAMES BROWN ; PATRICK ANTOINE RADA

Agent(s): CARPMAELS AND RANSFORD LLP; KAWABATA JUNICHI; YAMADA TAKUJI; TANAKA MITSUO; LAW OFFICE OF GERALD MALISZEWSKI; GERALD; BAKER AND HOSTETLER LLP; CASEY TIMOTHY D ET AL; CASEY TIMOTHY D; MALISZEWSKI GERALD

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: COMPUTER CONTROL

Abstract: A computer control includes a control member movably mounted for movement in two dimensions wherein orthogonally related gratings are moved to the corresponding directions to generate pairs of quadrature related signals. Circuitry produces binary signals defining four states for each cycle of quadrature signals to change a corresponding count indicating position of the control member. In another variation patterns each having a plurality of spots with a unique combination of gray levels are sensed by a rectangular array of photosensors to determine the position of the movable member.

Classifications:

International (IPC 8-9): G05G9/047 G06F3/02 G06F3/03 G06F3/033 G06F3/0354 G06F3/038 G06F3/042 G06F3/048 (Advanced/Invention); G06F3/048 (Advanced/Non-invention);

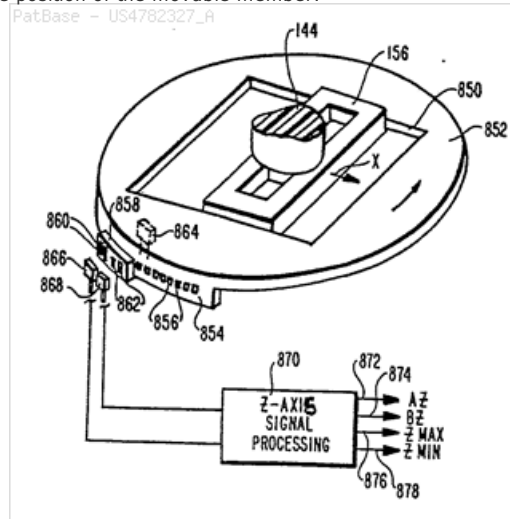
G05G9/00 G06F3/02 G06F3/03 G06F3/033 G06F3/041 G06F3/048 (Core/Invention)

International (IPC 1-7): C08K5/09 G06F3/02 G06F3/03 G06F3/033 G06F3/037 G06K11/18

CPC: G05G2009/04759 G06F3/0312 G06F3/0321 G06F3/033 G06F3/0338 G06F3/0304 G06F3/0317 G05G9/047 G06F3/0213 G06F3/03548

European: G05G9/047 G06F3/02A3P G06F3/033 G06F3/0338 G06F3/0332B2 G06F3/0354S G06F3/03H G06F3/03H2 G06F3/03H3 G06F3/03H3A G06F3/042 S05G9/047E8

US: 250/221 340/365P 340/709 340/710 341/2 341/20 341/31 341/35 341/5 345/161 715/856

**Family:**

Publication number	Publication date	Application number	Application date
AT99065 E	19940115	AT19860900886T	19860102
AU198653142 A1	19860729	AU19860053142	19860102
AU593537 B2	19900215	AU19860053142	19860102
CA1260621 A1	19890926	CA19860498885	19860102
DE3689431 D1	19940203	DE19863689431	19860102
DE3689431 T2	19940414	DE19863689431T	19860102
EP0205611 A1	19861230	EP19860900886	19860102
EP0205611 A4	19881108	EP19860900886	19860102
EP0205611 B1	19931222	EP19860900886	19860102
EP0556936 A2	19930825	EP19930201376	19860102
EP0556936 A3	19950426	EP19930201376	19860102
JP62501658 T2	19870702	JP19860500590T	19860102
US4782327 A	19881101	US19850688444	19850102
US4935728 A	19900619	US19870122951	19871120
WO8604166 A1	19860717	WO1986US00010	19860102

Priority:

US19850688444 19850102 CA19860498885 19860102 EP19860900886 19860102
WO1986US00010 19860102 US19870122951 19871120

Probable Assignee: ALTRA**Assignee(s):** (std): KLEY V B ; KLEY VICTOR B ; VICTOR B KLEY ; ALTRA ; ALTRA CORP ; ALTRA LARAMIE**Assignee(s):** ALTRA LARAMIE WYOMING US ; ALTRA 1200 SKYLINE DR ; LIGHTGATE GP ; STATE OF WYOMING DIVISION OF ECONOMIC AND COMMUNIT ; LIGHTGATE GP INC A GENERAL PARTNERSHIP OF DE ; TALKEN DANIEL J ; STATE OF WYOMING DIVISION OF ECONOMIC AND COMMUNITY DEVELOPMENT ECONOMIC DEVELOPMENT AND STABILIZATION BOARD ; KLEY VB**Inventor(s):** (std): TALKEN DANIEL J ; TALKEN DANIEL ; KLEY VICTOR B**Inventor(s):** VICTOR B KLEY ; DANIEL J TALKEN**Agent(s):** DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; OSLER HOSKIN AND HARCOURT LLP**Designated states:** AT AU BE BR CF CG CH CM DE DK FI FR GA GB IT JP KR LI LK LU ML MR NL NO SE SN TD TG

Title: TUBULAR LIGHT-EMITTING APPARATUS

Abstract: Provided is a light-emitting apparatus and a method of operating the same. The light-emitting apparatus includes: a light-emitting module having a plurality of light-emitting diodes (LEDs); a cylindrical cover housing the light-emitting module, and transmitting light emitted from the plurality of LEDs; with a first socket at a first end of the cylindrical cover; a second socket at a second end of the cylindrical cover; and a dimmer controller mounted at the first socket so as to adjust an intensity of the light emitted from the plurality of LEDs. The light-emitting apparatus may adjust an intensity of light without a system change or equipment work.

Classifications:

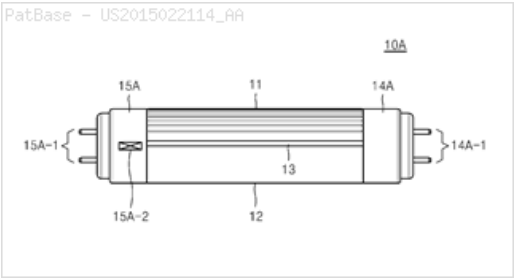
International (IPC 8-9): F21S2/00 H05B33/08

H05B37/02 (Advanced/Invention)

CPC: H05B33/0803 F21V23/009 F21Y2103/10 F21Y2115/10 H05B33/0857

F21V23/003 H05B33/0845 F21K9/272

US: 315/294



Family:

Publication number	Publication date	Application number	Application date
 KR20150009880 A	20150127	KR20130084376	20130717
 US2015022114 AA	20150122	US20140334075	20140717

Priority:

KR20130084376 20130717

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s): (std): SAMSUNG ELECTRONICS CO LTD

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s): (std): KIM CHANG SEOB

Title: APPARATUS AND METHOD OF DETERMINING FERTILITY STATUS

Abstract: A fertility computer is disclosed having the ability to store information about a users past menstrual cycle history, basal body temperature, gynecological disorders, which along with certain prediction indicators is used to statistically predict when ovulation will occur. The prediction indicators are based on information concerning the current status of certain body indicators such as mucus change, spotting in the middle of a cycle or a sore throat. This information is processed in accordance with a predetermined program which ascribes certain values to the above parameters to predict the present fertility status of the user.

Classifications:

International (ipc 8-9): A61B10/00 A61B5/00 A61B5/01 G01K7/24 G06F19/00 (Advanced/Invention);

A61B10/00 A61B5/00 A61B5/01 G01K7/16 G06F19/00 (Core/Invention)

International (ipc 1-7): A61B5/00 G06F15/42

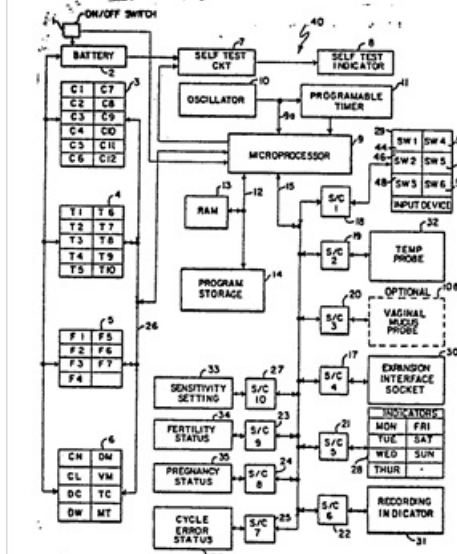
CPC: Y10S706/924 A61B10/0012 A61B2010/0019 G01K7/24 G16H40/63 G16H50/30 G06F19/00

European: A61B10/00D G01K7/24 G06F19/00A G06F19/34A

K61B10/00D4 S06F19/34G

US: 128/736 128/738 364/417 374/E07.031 374/E7.031 374/E70.31 600/549 600/551 706/924

PatBase - US4465077_A

**Family:**

Publication number	Publication date	Application number	Application date
AU198290588 A1	19830601	AU19820090588	19820930
CA1193726 A1	19850917	CA19820413997	19821022
EP0093149 A1	19831109	EP19820903387	19820930
EP0093149 A4	19850626	EP19820903387	19820930
JP58501895 T2	19831110	JP19830503313	19830712
JP58501895 T2	19831110	JP19820503313T	19820930
US4465077 A	19840814	US19810320227	19811112
WO8301735 A1	19830526	WO1982US01392	19820930

Priority:

US19810320227 19811112 WO1982US01392 19820930 CA19820413997 19821022

Probable Assignee: OVIX CORP

Assignee(s): (std): OVIX CORP ; SCHNEIDER HOWARD

Inventor(s): (std): SCHNEIDER HOWARD ; HOWARD SCHNEIDER

Agent(s): OGILVY RENAULT LLP SENCRL SRL

Designated states: AT AU BE BR CH DE DK FI FR GB JP LI LU NL NO SE SU

Title: CONTROLLABLE VERSATILE LED SYSTEM

Abstract: The present invention relates to the development of a method and system for manufacturing and deploying light emitting diode (LED) technology in a highly efficient manner. Devices of the invention include a printed circuit board with a heat sink and at least one LED insertion site and optionally a wireless communication device to control operation of the LED.

Classifications:

International (IPC 8-9): F21V21/00 F21V29/00 H05B37/00 H05B37/02 (Advanced/Invention)

CPC: F21V23/00 F21V23/04 F21V23/0435 F21V23/045 F21S2/00 F21Y2105/10 F21Y2115/10 F21K9/27

US: 315/112 315/200R 315/291 315/294 315/360 362/382

Family:

Publication number	Publication date	Application number	Application date
■ US2013043788 AA	20130221	US20120658403	20121023
■ US2013070466 AA	20130321	US20120423590	20120319

Priority:

US20110453788P 20110317 US20120423590 20120319 US20120658403 20121023

Probable Assignee:

O BRIEN JOHN N

Assignee(s): (std):

O BRIEN JOHN N

Inventor(s): (std):

O BRIEN JOHN N

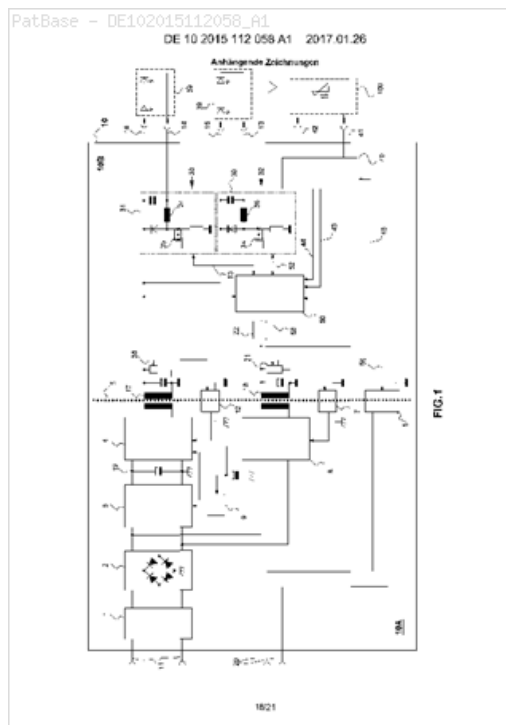
Title: MODUL UND BETRIEBSGERAET ZUM VERSORGEN EINES LED-LEUCHTMITTELS MIT DAZU PASSEND EINSTELLBAREM BETRIEBSSTROM MODULE AND OPERATING DEVICE FOR SUPPLYING A LED LIGHT BULB WITH MATCHING ADJUSTABLE OPERATING CURRENT (Machine translation)

Abstract: Source: DE102015112058A1 [DE] Die Erfindung betrifft ein Schnittstellen-Modul an einem Betriebsgeraet (10) zum Versorgen eines LED-Leuchtmittels mit dazu passendem Betriebsstrom. Das Betriebsgeraet hat eine Stellschnittstelle, z.B. eine LEDset-Schnittstelle, mit einem Stellanschluss (41, 42) fuer einen Widerstand. Die Versorgungsschaltung (10A, 10B) im Betriebsgeraet stellt entsprechend dem Widerstandswert den Betriebsstrom fuer ein Leuchtmittel (39) ein. Erfindungsgemaess ist am Stellanschluss (41, 42) ein Schnittstellen-Modul (100... 700) mit Funkschnittstelle (220... 720) und elektronischer Steuerschaltung angeschlossen. Anhand der Funkschnittstelle (220... 720) ist die vom Modul ueber den Stellanschluss (41, 42) aufgenommene bzw. aufzunehmende elektrische Leistung konfigurierbar. So kann der Betriebsstrom jederzeit einfach und beruehrungslos eingestellt werden, z.B. im Rahmen der Leuchten-Herstellung oder beim Leuchtmittelaustausch. Die Erfindung betrifft das Modul als solches, dessen Verwendung zur Nachbildung eines Widerstands an der Stellschnittstelle und das entsprechende Verfahren zum Einstellen des Betriebsstroms an einem Betriebsgeraet. **Machine translation:** The invention relates to an interface module to an operating device (10) for supplying a LED light bulb with to a suitable operating current. The unit has a map interface, E.g. a LEDset interface, with a site connector (41, 42) for a resistance. The supply circuit (10A, 10B) in the unit adjusts the operating power for a light source (39) according to the resistance value. Invention is connected to the place (41, 42) connected an interface module (100.. 700) (220... 720) radio interface with electronic control circuit. Based on the radio interface (220... 720) which is (41, 42) recorded or to be recorded electrical power by the engine via the site connection configurable. So the operating current is adjusted at any time simply and without contact, E.g. in the context of production of lamps or lights means replacing. The invention relates to the module itself, its use to reconstruct a resistance at the interface of the site and the appropriate procedure to adjust the operating current operating device.

Classifications:

International (IPC 8-9): G08C17/02 H05B37/02 (Advanced/Invention)

CPC: H05B37/0272 H05B33/0848



Family:

Publication number	Publication date	Application number	Application date
DE102015112058 A1	20170126	DE201510112058	20150723

Priority:

DE201510112058 20150723

Probable Assignee: ITZ INNOVATIONS U TECH GMBH

Assignee(s): (std): ITZ INNOVATIONS U TECH GMBH

Assignee(s): ITZ INNOVATIONS U TECHNOLOGIEZENTRUM GMBH

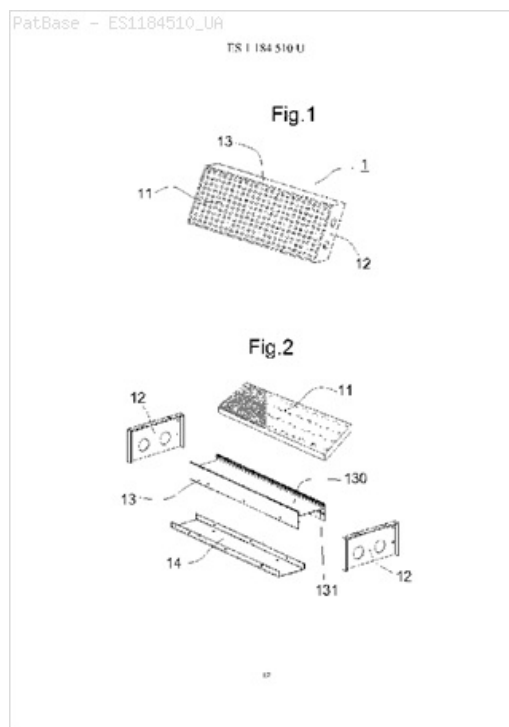
Inventor(s): (std): BRANDENBURG STEFAN ; KALDEWEI GERHARD ; SCHREYER GUENTER

Title: EQUIPO DE GUIADO DINAMICO Dynamic Guidance Team (Machine translation)

Abstract: Source: ES1184510U [ES] 1. Equipo de guiado dinamico, que muestra senales dinamicas (3) luminicas en todo tipo de infraestructuras, que comprende una pluralidad de encapsulados (1) dispuestos linealmente que estan gestionados por un controlador (2) electronico externo, estando todos ellos interconectados entre si por cableado, que se caracteriza por el hecho de que cada encapsulado (1) esta constituido en su cara frontal por una placa PCB (11) con una pluralidad de puntos LED que muestran senales dinamicas (3) de guiado, estando dicha placa PCB (11) fijada y protegida por un perfil soporte (13), disponiendose tambien de una pletina base (14) longitudinal trasera que cierra con el perfil soporte (13) generandose un hueco interno (15) de proteccion del cableado de conexion del equipo, y dispone de unas tapas laterales (12) en sus extremos que cierran el conjunto del encapsulado (1) y que tienen aberturas para el paso del cableado; y el controlador (2) externo esta constituido por un procesador programable (26) de secuencia y caracteristicas de las senales dinamicas (3) de guiado, dispone de una fuente de alimentacion (25), incorpora potenciómetros (23), dispone de conectores de entrada/salida digitales (21) y de conectores de entrada/salida analogicas (22), todos ellos interconectados, y de una pluralidad de salidas de control (24) para las placas PCB (11). **Machine translation:** 1. Dynamic guidance equipment, which shows dynamic signals (3) fluorescent in all types of infrastructures, comprising a plurality of encapsulated (1) arranged linearly that are managed by an external electronic controller (2), all of them interconnected with each other by wiring, which is characterized by the fact that each encapsulation (1) is constituted in its frontal face by a PCB plate (11) with a plurality of LED points that show dynamic signals (3) of guided, being the PCB plate (11) fixed and protected by a support profile (13), also having a base plate (14) longitudinal rear that closes with the profile support (13) Generandose An internal hole (15) of protection of the wiring of connection of the equipment, and has side covers (12) at the ends that close the encapsulation assembly (1) and have openings for the passage of the wiring; and the external controller (2) is made up of a programmable processor (26) of sequence and characteristics of the dynamic signals (3) of guidance, has a power supply (25), incorporates Potentiometers (23), it has digital input/output connectors (21) and analog input/output connectors (22), all interconnected, and a plurality of control outputs (24) for PCB boards (11).

Classifications:

International (IPC 8-9): F21S4/00 G08B5/36 G09F9/00
H02J9/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CO20180004100 U1	20180430	CO20180004100U	20180417
ES1184510 UA	20170605	ES20170030569U	20170516

Priority:

ES20170030569U 20170516

Probable Assignee: SAEZ DE VICUNA ANDONI HORNERO

Assignee(s): (std): HORNERO SAEZ DE VICUNA ANDONI ; SAEZ DE VICUNA ANDONI HORNERO

Assignee(s): ANDONI HORNERO SAEZ DE VICUNA

Inventor(s): (std): HORNERO SAEZ DE VICUNA ANDONI ; SAEZ DE VICUNA ANDONI HORNERO

Inventor(s): ANDONI HORNERO SAEZ DE VICUNA

Agent(s): JESUS MARIA MENDEZ BERMUDEZ; TEMINO IGNACIO

Title: PUMP CONTROL DEVICE WITH MULTIPLE SENSORS MICROPROCESSOR CONTROLLERS

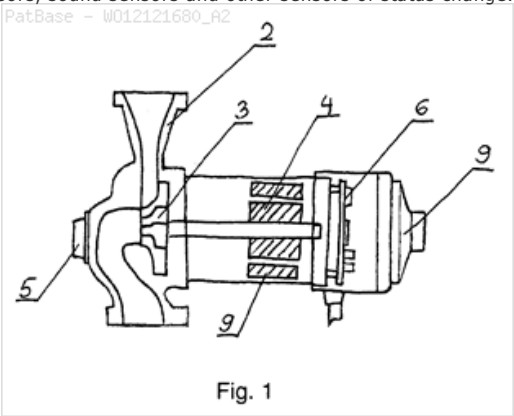
Abstract: The subject of the invention is a device for an automatic regulation of pump operation of a sensor microprocessor controller that optimally regulates the operation of a pump. The device of the invention solves the mentioned problems; by means of sensors, preferably of sound sensors, it solves regulation and also occurrence of undesired noises. An optimal operation of a system needs a microprocessor with a built-in operation algorithm, preferably with fuzzy logic. The operation and conditions are controlled by various sensors, such as temperature sensors, pressure sensors, sound sensors and other sensors of status change.

Classifications:

International (IPC 8-9): F04B49/06 F04B53/22 F04D15/00 F04D27/00
G01M13/04 G05B23/02 H02K11/00 H04L29/08 (Advanced/Invention);
F04B49/00 (Core/Invention)

CPC: F04B49/065 F04B53/22 F04B2201/0804 F04D15/0088 H02K11/30

European: F04B49/06C F04B53/22 F04D15/00L H02K11/00H
R04B201/0804



Family:

Publication number	Publication date	Application number	Application date
EP2683943 A2	20140115	EP20120725553	20120308
SI23685 C	20120928	SI20110000077	20110309
WO12121680 A2	20120913	WO2012SI00011	20120308
WO12121680 A3	20121115	WO2012SI00011	20120308

Priority:

SI20110000077 20110309 WO2012SI00011 20120308

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Title: PORTABLE OVERVOLTAGE SENSOR FOR SENSING OVERVOLTAGE OF AN ELECTRICAL DEVICE DURING MANUFACTURING

Abstract: Methods and systems for sensing overvoltage in an electrical circuit are provided. In one implementation, an overvoltage sensor is provided that includes a first connector operable to be connected to a second connector of a provided electrical circuit, in which the second connector includes a first lead connected to a first voltage in the provided electrical circuit. The overvoltage sensor further includes an indicator circuit coupled to the first connector, in which the indicator circuit is operable to sense overvoltage of the first voltage responsive to the first connector being connected to the second connector.

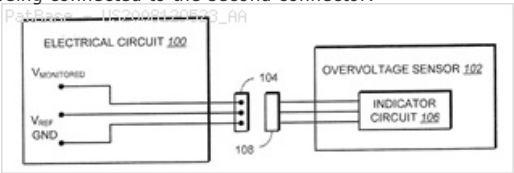
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