

10 Documents

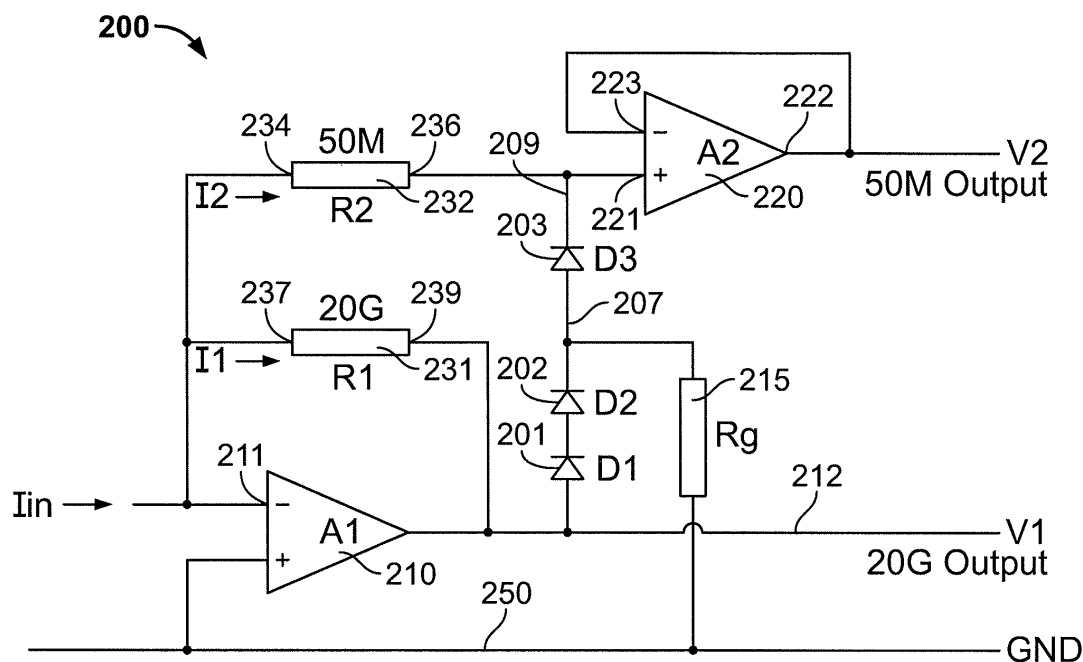
Publication numbers	Title	Current assignees
WO201108569 A1	A wide dynamic range electrometer with a fast response	MKS INSTRUMENTS, ...
KR101636642 B1	Dryness sensing circuit and sensing method of dryness	LG ELECTRONICS
WO9709819 A1	Light-detection system with programmable offset current	LEICA GEOSYSTEMS
JP2006302977 A	Temperature measurement device of power semiconductor device	FUJI ELECTRIC
CA2953600 A1	Device and method for analysing the composition of respired gasses	LIFEQ GLOBAL
US4045777 A	Remote control transmitter and receiver for use with a television receiver	MESC ELECTRONIC SYSTEMS, ...
JP52041732 A	Compensation for inherent fluctuation in output level of exhaust sensor in air-fuel ratio control system for internal combustion engine	NISSAN MOTOR
EP-731543 A2	Short circuit indicator	HORSTMANN H
CN105423886 A	Direction discrimination unit for micro displacement data acquisition system	SHANGHAI UNIVERSITY OF ENGINEERING SCIENCE
ZA8709111 B	Capacitance sensor arrangement.	UNIVERSITY OF WESTERN AUSTRALIA

Family 1/10 - FAMPAT - ©Questel

Title

(WO201108569)

A wide dynamic range electrometer with a fast response

Images**Publication data including kind & date**

WO2011008569	A1	2011-01-20	WO201108569
US20110012588	A1	2011-01-20	US20110012588
TW201129808	A	2011-09-01	TW201129808
SG177479	A1	2012-02-28	SG-177479
GB201201869	D0	2012-03-21	GB201201869
GB2484245	A	2012-04-04	GB2484245
US20120086434	A1	2012-04-12	US20120086434
KR20120037013	A	2012-04-18	KR20120037013
CN102472774	A	2012-05-23	CN102472774
US8278909	B2	2012-10-02	US8278909
DE112010002926	T5	2012-11-29	DE112010002926
JP2012533736	A	2012-12-27	JP2012533736
US8415942	B2	2013-04-09	US8415942
SG188868	A1	2013-04-30	SG-188868
GB2484245	B	2013-12-25	GB2484245
KR101354080	B1	2014-01-24	KR101354080
TWI440859	B	2014-06-11	TWI440859
CN102472774	B	2014-11-26	CN102472774B
JP5815519	B2	2015-10-02	JP5815519
DE112010002926	B4	2018-09-27	DE112010002926

**Abstract**

(WO201108569)

A method and apparatus for measuring current includes **sensing** a first voltage at the output of an amplifier and computing a current based on the first voltage and the resistance of a first resistive element, which is electrically coupled between an inverting input of the amplifier and the output of the amplifier, if the first voltage is below a predetermined level. The method

also includes **sensing** a second voltage at the output of a buffer and computing a current based on the first and second voltages and the resistances of the first resistive element and a second resistive element, which is electrically coupled between the inverting input of the amplifier and an input of the buffer and is also electrically coupled to the output of the amplifier through a at least one diode, if the voltage output from the amplifier is above the predetermined level.

Inventors

FLETCHER WILLIAM ROGER

Latest standardized assignees - inventors removed

MKS INSTRUMENTS

NEWPORT

ELECTRO SCIENTIFIC INDUSTRIES

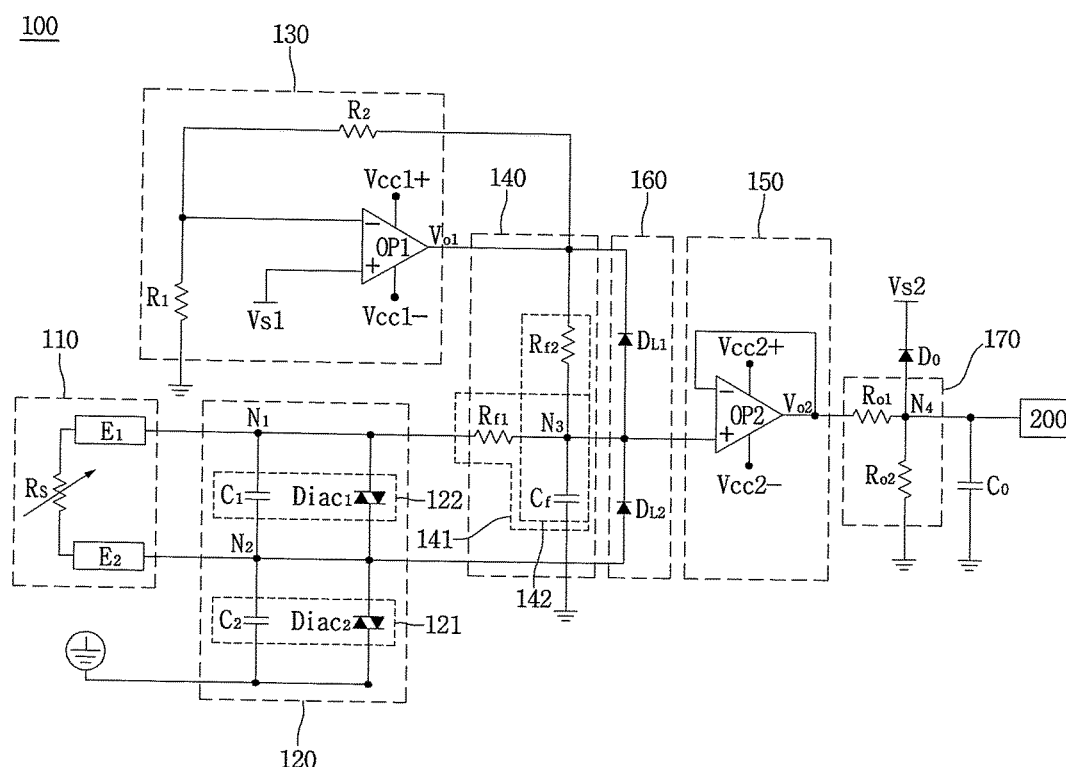
Family 2/10 - FAMPAT - ©Questel

Title

(US9897562)

Dryness **sensing** circuit and **sensing** method of dryness

Images



Publication data including kind & date

KR101636642	B1	2016-07-05	KR101636642
US20160209345	A1	2016-07-21	US20160209345
US9897562	B2	2018-02-20	US9897562



Abstract

(US9897562)

A dryness **sensing** circuit and a dryness **sensing** method are provided. The dryness **sensing** circuit and the dryness **sensing** method set a time constant of a resistor and capacitor short for liquidity of dryness determination algorithm and minimize a noise effect of a power supply.

Inventors

LEE HOONBONG

KIM JUNGHUN

Latest standardized assignees - inventors removed

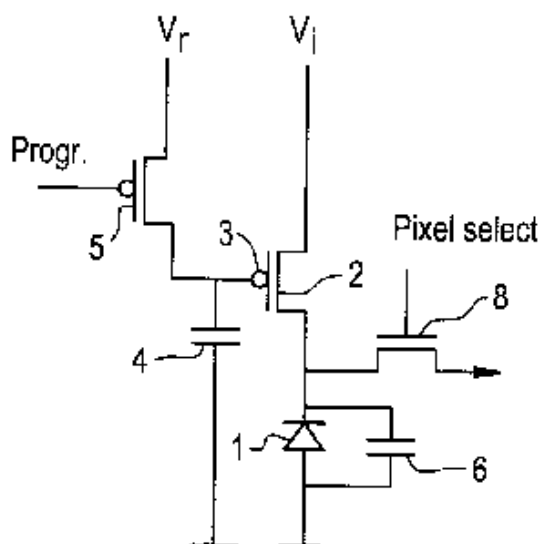
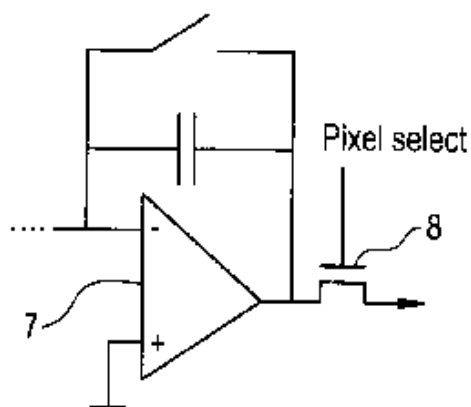
LG ELECTRONICS

Family 3/10 - FAMPAT - ©Questel

Title

(EP-848882)

Light-detection system with programmable offset current

Images**FIG. 1****FIG. 2****Publication data including kind & date**

WO9709819	A1	1997-03-13	WO9709819
DE19533061	A1	1997-03-13	DE19533061
DE19533061	C2	1997-07-03	DE19533061



EP0848882	A1	1998-06-24	EP-848882
EP0848882	B1	1999-06-09	EP-848882
DE59602186	D1	1999-07-15	DE59602186
US5936866	A	1999-08-10	US5936866
JPH11512244	A	1999-10-19	JP11512244
JP3809653	B2	2006-06-02	JP3809653



Abstract

(EP-848882)

The invention concerns a photoelectric semiconductor light-detection system with programmable dynamic performance, the system comprising a semiconductor photocell, preferably a photodiode, by means of which the impinging light intensity can be converted into a proportional photoelectric current. The drain of a first MOS FET of corresponding channel-type operated to saturation is coupled to the semiconductor photocell, i.e. the cathode or anode of the photodiode, and its source is maintained at a constant potential. A second MOS FET applies a predetermined variable charge amount to the gate of the first MOS FET. A capacitor is provided at the gate of the first MOS FET. The difference between the offset current and the photoelectric current can be integrated by means of an integration device. A third MOS FET can be operated as a switch which reads the integration device and is reset at a given value.

Inventors

SEITZ PETER

VIETZE OLIVER

Latest standardized assignees - inventors removed

LEICA GEOSYSTEMS

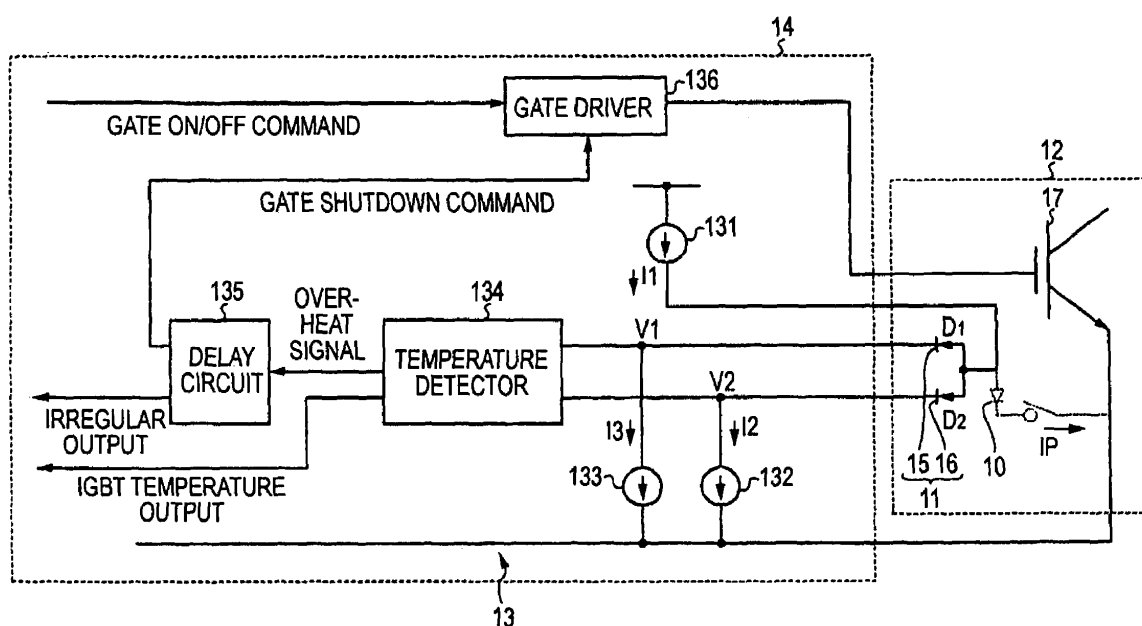
Family 4/10 - FAMPAT - ©Questel

Title

(US7507023)

Temperature measurement device of power semiconductor device

Images



Publication data including kind & date

JP2006302977	A	2006-11-02	JP2006302977
US20060255361	A1	2006-11-16	US20060255361
US7507023	B2	2009-03-24	US7507023
JP5028748	B2	2012-07-06	JP5028748



Abstract

(US7507023)

A temperature measurement device of a power semiconductor device includes a plurality of temperature detecting diodes formed on a first chip having a power semiconductor device; and a detection circuit that is formed on a second chip having an integrated circuit that controls the power semiconductor device and is connected to the temperature detecting diodes; wherein the detection circuit detects a temperature of the power semiconductor device based on a difference between the forward voltages of the temperature detecting diodes when different values of current flow to the respective temperature detecting diodes.

Inventors

OYABE KAZUNORI

YAMAZAKI TOMOYUKI

MIYASAKA YASUSHI

Latest standardized assignees - inventors removed

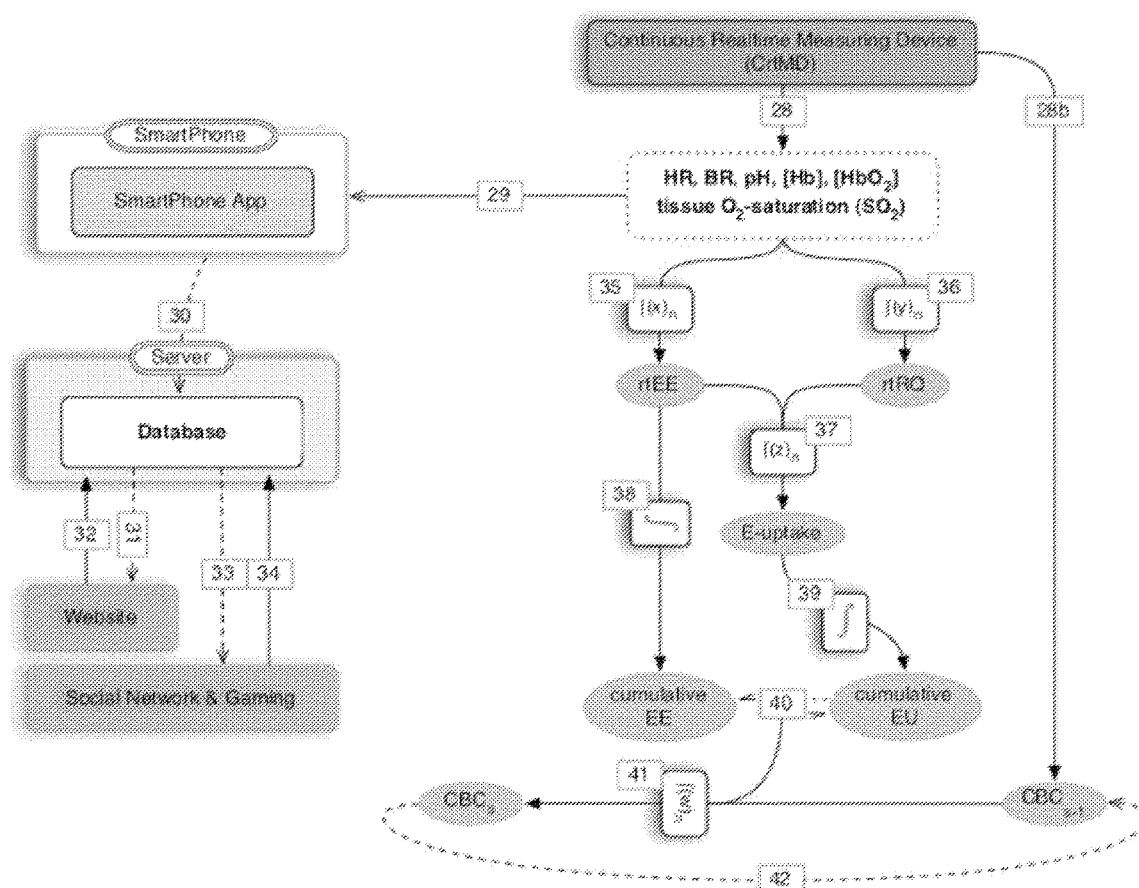
FUJI ELECTRIC

Family 5/10 - FAMPAT - ©Questel

Title

(EP3028627)

Device and method for analysing the composition of respired gasses

Images**Publication data including kind & date**

CA2953600	A1	2013-01-17	CA2953600
CA2839141	A1	2013-01-17	CA2839141
WO2013009589	A1	2013-01-17	WO201309589
AU2012282934	A1	2013-12-19	AU2012282934
AU2012282934	A8	2014-02-06	AU2012282934



CN103648370	A	2014-03-19	CN103648370				
MX2014000289	A	2014-03-27	MX2014000289				
KR20140054014	A	2014-05-08	KR20140054014				
US20140128691	A1	2014-05-08	US20140128691				
BR112014000373	A1	2014-05-13	BR112014000373				
EP2729059	A1	2014-05-14	EP2729059				
ZA201309473	B	2014-08-27	ZA201309473				
EA201400118	A1	2014-08-29	EA201400118				
JP2014523777	A	2014-09-18	JP2014523777				
IN0882/CHENP/2014	A	2014-10-10	IN2014CN00882				
EP2729059	A4	2015-05-27	EP2729059				
SG10201503220W	A	2015-06-29	SG10201503220W				
IL239338	A	2015-07-30	IL-239338				
EP3028627	A1	2016-06-08	EP3028627				
KR20160075866	A	2016-06-29	KR20160075866				
US20160235309	A1	2016-08-18	US20160235309				
JP2016182363	A	2016-10-20	JP2016182363				
EA201691317	A1	2016-10-31	EA201691317				
KR20160127161	A	2016-11-02	KR20160127161				
AU2016273911	A1	2017-01-12	AU2016273911				
BR112014000373	A2	2017-02-14	BR112014000373				
CN103648370	B	2017-03-29	CN103648370B				
JP2017136406	A	2017-08-10	JP2017136406				
EP2729059	B1	2017-09-06	EP2729059				
MX350701	B	2017-09-14	MX-350701				
US9820656	B2	2017-11-21	US9820656				
EA029289	B1	2018-03-30	EA--29289				
JP6310012	B2	2018-04-11	JP6310012				
JP2018069097	A	2018-05-10	JP2018069097				
US20180235480	A1	2018-08-23	US20180235480				
KR101883581	B1	2018-08-24	KR101883581				
CA2839141	C	2018-11-20	CA2839141				
AU2016273911	B2	2018-12-06	AU2016273911				
AU2018274884	A1	2018-12-20	AU2018274884				
KR10-1947254	B1	2019-02-12	KR101947254				
EP3028627	B1	2019-03-27	EP3028627				

Abstract

(EP3028627)

The invention pertains to the establishment, implementation and management of a personalized information system pertinent to a user's general health, wellness and/or sport performance. A novel set of portable devices with calorimetric, metabolic **sensing**, computing and communication capabilities are used for non-stop real-time measurement and display as well as long-term logging of highly accurate information about a user's metabolic state. Continuous real-time feedback on the user's respiratory quotient (RQ) and other data may be provided. A novel dual-battery system is also provided by which an uninterrupted power supply can be provided for electronic components. The personalized information system is further designed to consider measured and calculated metabolic parameters in relation to manually specified, user-specific goal(s), and to provide feedback about the user's progress with regards to these goals over the short- and long term. The system may be used to continuously determine the real-time nutritional state, energy uptake and energy expenditure level of the user, and may provide subsequent personalized nutritional- and exercise guidance to advance the user's efficiency

at achieving and maintaining his/her specific health, wellness and/or sport performance goal(s). The invention also integrates user information, such as, but not limited to real-time energy uptake and real-time energy balance with social networking/gaming and other social interactions.

Inventors

OLIVIER LAURENCE RICHARD

Latest standardized assignees - inventors removed

LIFEQ GLOBAL

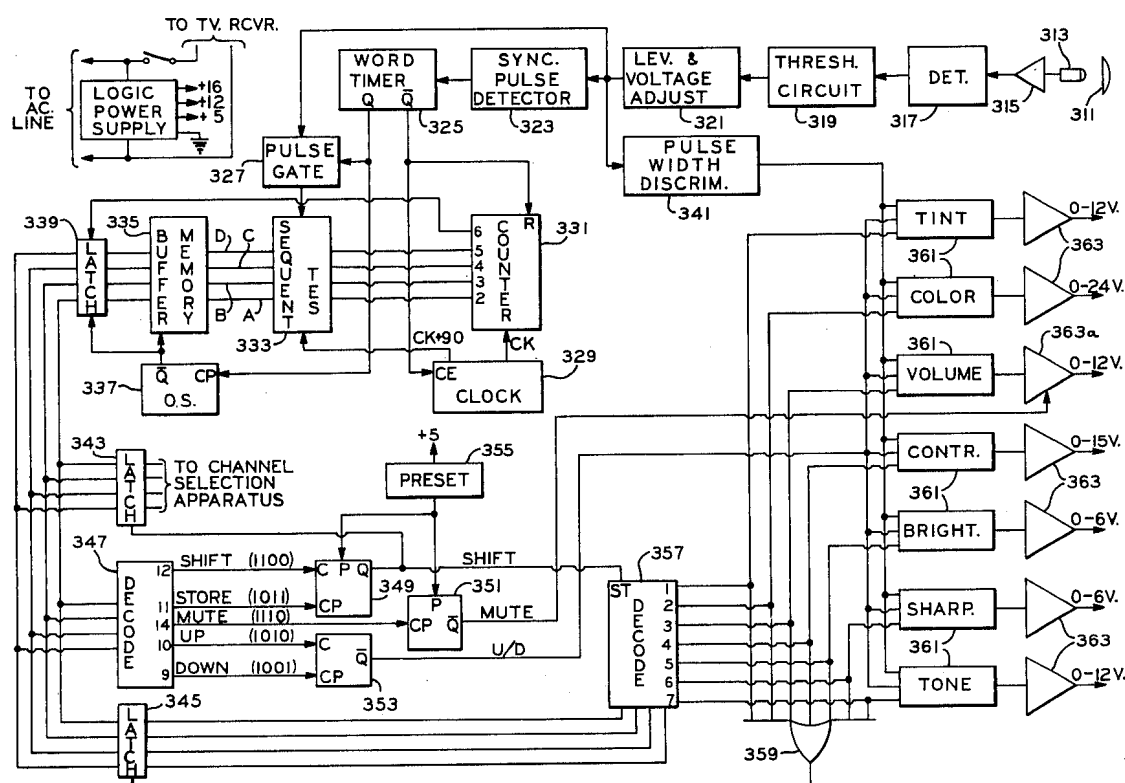
Family 6/10 - FAMPAT - ©Questel

Title

(US4045777)

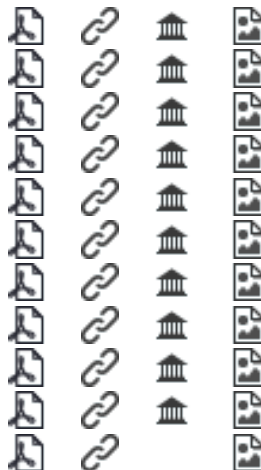
Remote control transmitter and receiver for use with a television receiver

Images



Publication data including kind & date

US4045777	A	1977-08-30	US4045777
JPS52118190	A	1977-10-04	JP52118190
DE2713771	A1	1977-10-13	DE2713771
FR2362457	A1	1978-03-17	FR2362457
AU2360277	A	1978-09-28	AU7723602
GB1543502	A	1979-04-04	GB1543502
CA1082312	A	1980-07-22	CA1082312
AU516685	B2	1981-06-18	AU-516685
FR2362457	B1	1983-12-30	FR2362457
DE2713771	C2	1985-03-14	DE2713771
IT1073489	B	1985-04-17	IT1073489



Abstract

(US4045777)

A remote control transmitter and receiver for controlling all of the usual viewer-adjustable functions of a television receiver. A plurality of key/switches permit the viewer to select the channel to be tuned and the function to be controlled. Digital logic

circuits generate pulse coded signals that identify channel numbers or controlled functions. Function level control pulses are generated by rotation of a code wheel connected to a thumb wheel to provide proportional control of selected functions. The pulse coded signals and function level control pulses are transmitted via an infrared optical link to the receiver where companion circuitry decodes the pulse coded signals and adjusts the levels of selected functions in response to the function level control pulses.

Inventors

MIERZWINSKI EUGENE P

WORLEY DAVID W

Latest standardized assignees - inventors removed

MESC ELECTRONIC SYSTEMS

MAGNAVOX

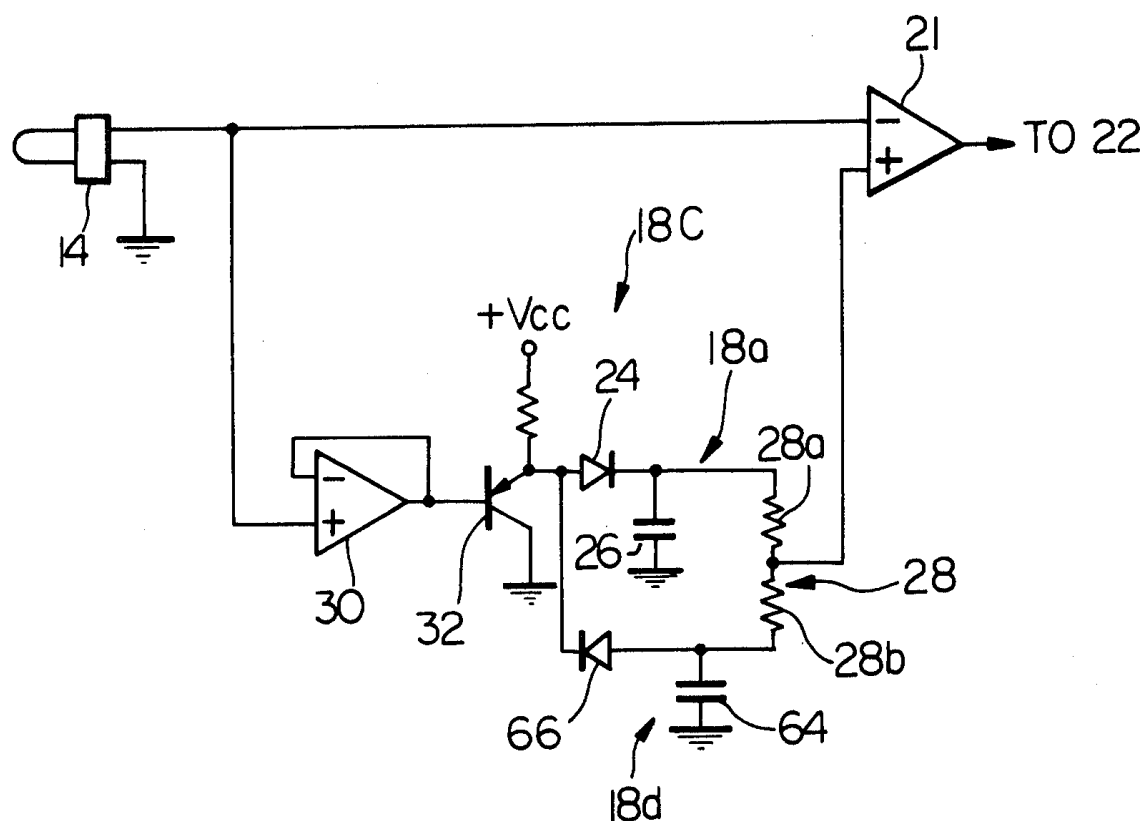
Family 7/10 - FAMPAT - ©Questel

Title

(US4120269)

Compensation for inherent fluctuation in output level of exhaust sensor in air-fuel ratio control system for internal combustion engine

Images



Publication data including kind & date

JPS5241732	A	1977-03-31	JP52041732
DE2644192	A1	1977-04-07	DE2644192
FR2326733	A1	1977-04-29	FR2326733
JPS5280320	U	1977-06-15	JP52080320U
US4120269	A	1978-10-17	US4120269
GB1538497	A	1979-01-17	GB1538497
FR2326733	B1	1980-08-29	FR2326733
JPS5632586	Y2	1981-08-03	JP56032586Y



Abstract

(US4120269)

In a feedback control system for maintaining the air-fuel ratio of a combustible mixture fed to an internal combustion engine at a preset ratio, a fluctuation in the output characteristic of an exhaust sensor due to deterioration or low temperature is compensated for by varying a reference voltage, which serves as a standard of comparison, in response to a change in a maximal value of the sensor output voltage.

Inventors

FUJISHIRO TAKESHI

Latest standardized assignees - inventors removed

NISSAN MOTOR

Family 8/10 - FAMPAT - ©Questel

Title

(EP-731543)

Short circuit indicator

Images

is connected in parallel across the current sensor, for regulating the output voltage to a constant measured value for different current levels. The measured value is stored and supplied to a time/current trigger (3) for switching a bistable flip-flop at a defined limit value (5). The flip-flop controls a counter (6) which activates the short-circuit display.

Inventors

HUPPERTZ WERNER

Latest standardized assignees - inventors removed

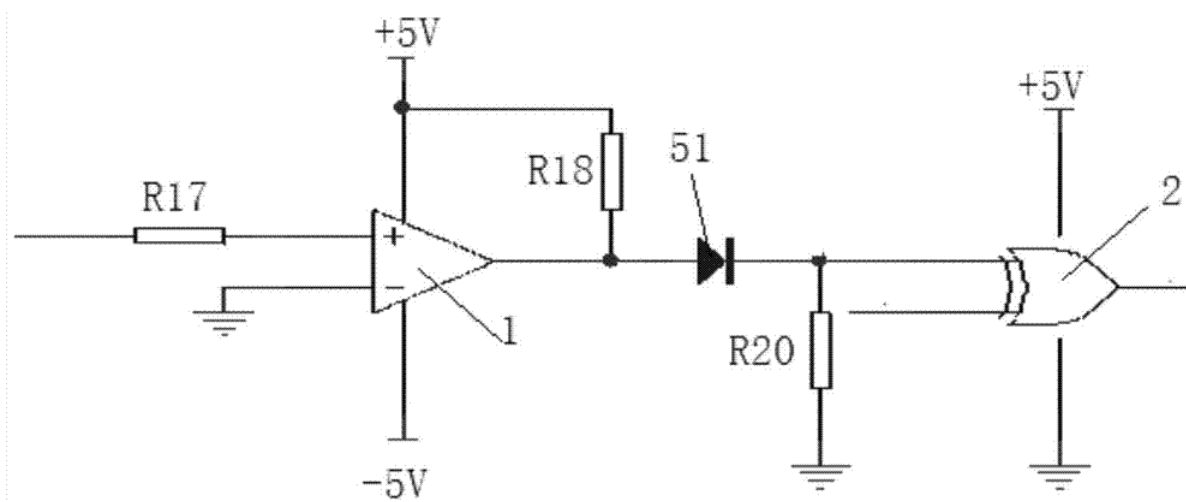
HORSTMANN H

Family 9/10 - FAMPAT - ©Questel

Title

(CN105423886)

Direction discrimination unit for micro displacement data acquisition system

Images**Publication data including kind & date**

CN105423886	A	2016-03-23	CN105423886
CN105423886	B	2017-11-24	CN105423886B

**Abstract**

(CN105423886B)

Disclosed in the invention is a direction discrimination unit for a micro displacement data acquisition system. The direction discrimination unit is composed of a first integrated voltage comparator, an XOR logic digital integrated circuit, a low-temperature drift integrated operational amplifier and a second integrated voltage comparator. A non-inverting input terminal of the first integrated voltage comparator is connected with an input terminal of an instrument amplifier of the micro displacement data acquisition system; the output terminal of the first integrated voltage comparator is connected with a positive electrode of a first low-dropout schottky diode; a negative electrode of the first low-dropout schottky diode is connected with a first input terminal of the XOR logic digital integrated circuit; a non-inverting input terminal of the low-temperature drift integrated operational amplifier is connected with an output terminal of the instrument amplifier of the micro displacement data acquisition system; a non-inverting input terminal of the second integrated voltage comparator is connected with the output terminal of the low-temperature drift integrated operational amplifier; the output terminal of the second integrated voltage comparator is connected with a positive electrode of a second low-dropout schottky diode; and a negative electrode of the second low-dropout schottky diode is connected with a second input terminal of the XOR logic digital integrated circuit.

Inventors

LI RONGZHENG

JIANG BIAO

LI HUIYAN

Latest standardized assignees - inventors removed

SHANGHAI UNIVERSITY OF ENGINEERING SCIENCE

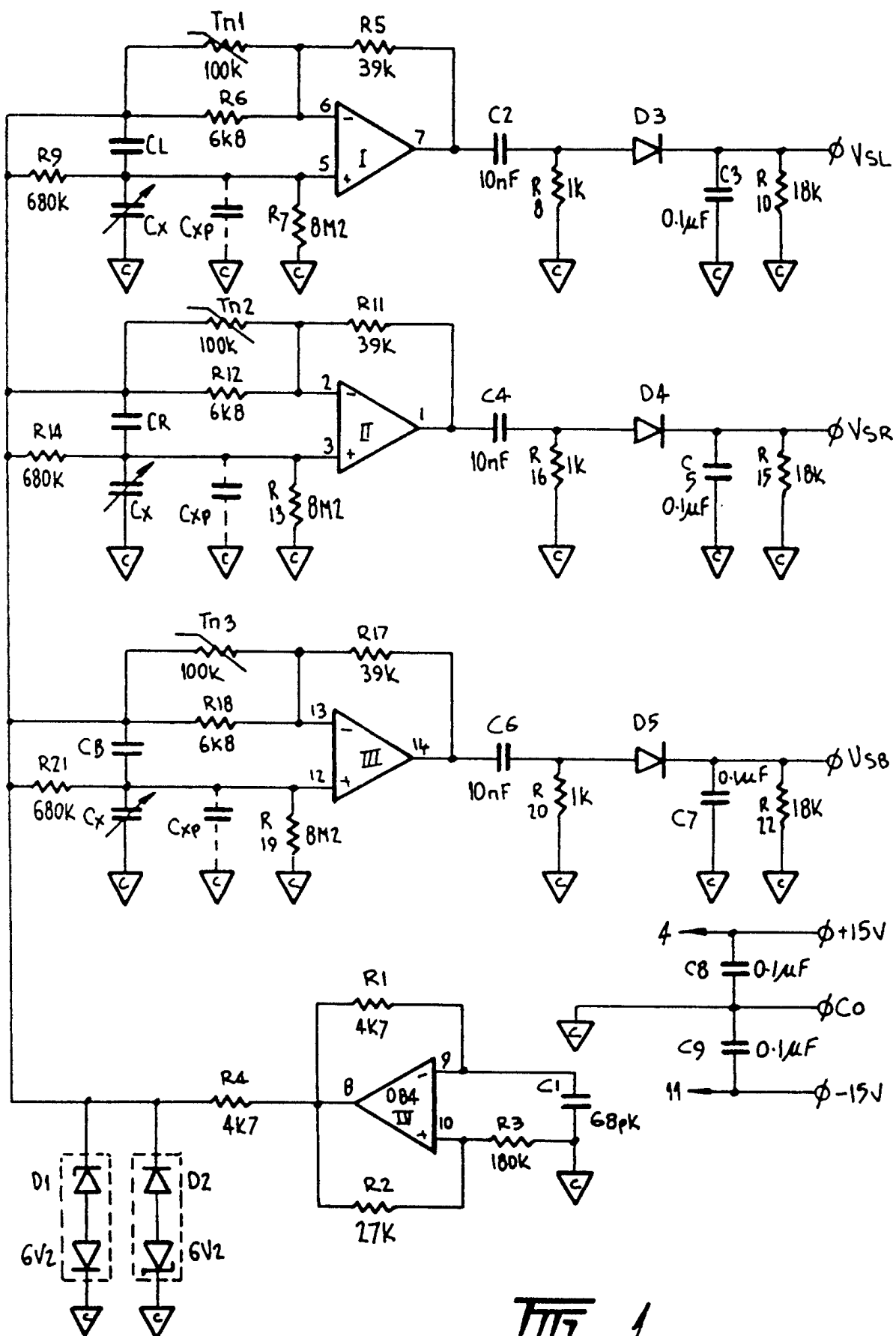
Family 10/10 - FAMPAT - ©Questel

Title

(EP-277421)

Capacitance sensor arrangement.

Images



Publication data including kind & date

ZA8709111	B	1988-06-01	ZA8709111
AU8195687	A	1988-06-16	AU8781956
EP0277421	A1	1988-08-10	EP-277421
JPS63289415	A	1988-11-25	JP63289415
NZ222795	A	1990-03-27	NZ-222795
AU602178	B2	1990-10-04	AU-602178
US5012196	A	1991-04-30	US5012196

**Abstract**

(EP-277421)

A capacitance sensor arrangement is used to determine the distance of an element such as a shearing handpiece from a surface such as the skin of a sheep. The arrangement processes data from one or more sensors (SL, SR, SB) which include a variable capacitor (Cx) dependent on the distance, and provides an output voltage (VS) consistent with the distance, the output voltage (VS) being dependent on the voltage drop across a reference capacitor (CL) in the sensor circuit.

Inventors

BARANSKI JAN

Latest standardized assignees - inventors removed

UNIVERSITY OF WESTERN AUSTRALIA