

15 Documents

Publication numbers	Title	Current assignees
US20060240818 A1	System, method, and apparatus for command and control of remote instrumentation	BAKER HUGHES
US20050055912 A1	Through tubing real time downhole wireless gauge	SHELL
IT2012CO0008 A1	Method and system for advising operator action	NUOVO PIGNONE
WO2009158602 A1	A method and apparatus for real time enhancing of the operation of a fluid transport pipeline	EXXONMOBIL
US20110088484 A1	System, method, and computer readable medium for calculating well flow rates produced with electrical submersible pumps	SCHLUMBERGER TECHNOLOGIES
US20110216695 A1	Apparatus for interconnecting wireless networks separated by a barrier	ROSEMOUNT
US20020077711 A1	Integrated alert generation in a process plant	FISHER ROSEMOUNT SYSTEMS
WO200681216 A2	Method and system for communicating between an embedded device and relational databases	INDUSOFT
US20110115223 A1	Compressed air energy storage system utilizing two-phase flow to facilitate heat exchange	LIGHTSAIL ENERGY
US20040060346 A1	Phased micro analyzer	HONEYWELL INTERNATIONAL
WO9836353 A1	System for configuring a process control environment with graphical elements	FISHER ROSEMOUNT SYSTEMS
US20140170025 A1	System and method for production reservoir and well management using continuous chemical measurement	NEOTEK ENERGY
US20100042248 A1	Monitoring and control system for commodity loading	LOADOUT TECHNOLOGIES
US20100326075 A1	Compressed air energy storage system utilizing two-phase flow to facilitate heat exchange	LIGHTSAIL ENERGY
US20090138415 A1	Automated research systems and methods for researching systems	HYDROJOULE

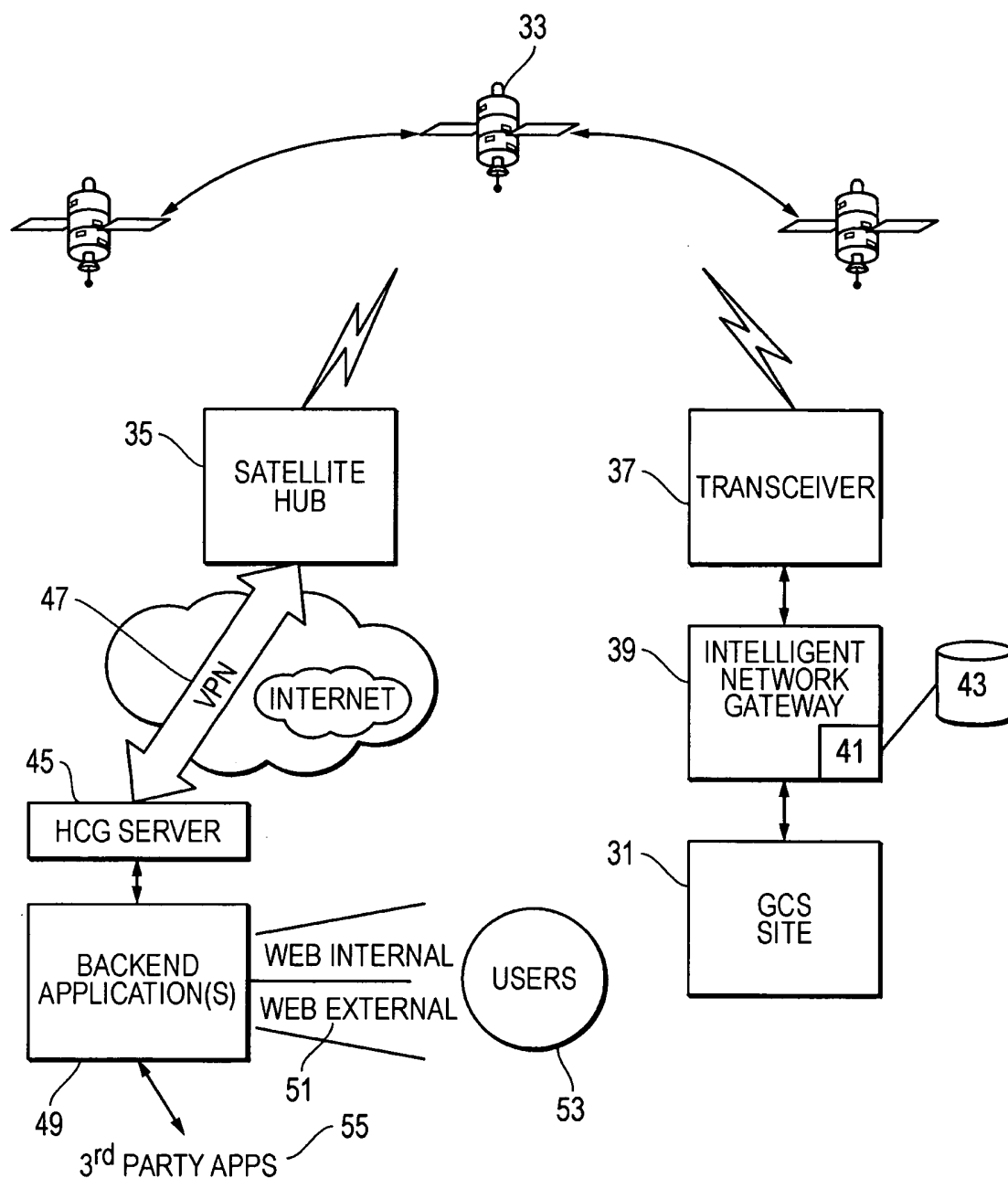
Family 1/15 - FAMPAT - ©Questel

Title

(WO2006116118)

System, method, and apparatus for command and control of remote instrumentation

Images



Publication data including kind & date

US20060240818	A1	2006-10-26	US20060240818
WO2006116118	A1	2006-11-02	WO2006116118
GB0719895	D0	2007-11-21	GB200719895
GB2441905	A	2008-03-19	GB2441905
RU2007142844	A	2009-05-27	RU2007142844
BRPI0608105	A2	2009-11-03	BR200608105
BRPI0608105	A2	2009-11-03	BRPI0608105
US7672262	B2	2010-03-02	US7672262
GB2441905	B	2010-12-08	GB2441905
RU2426234	C2	2011-08-10	RU2426234



Abstract

(WO2006116118)

A remote instrument control and reporting system utilizes a host communication gateway based on hardware and software that interfaces with a field device, remote terminal unit, or control system that operates across multiple communications infrastructures to a common back end data delivery system. This design allows Modbus hosts or similar SCADA polled technologies, such as a field bus that utilizes various industrial protocols to control instruments at and acquire instrumentation data from physically isolated installations. In particular, this design is well suited for applications such as oil well electrical submersible pumps. The data is communicated through, for example, a low Earth orbit satellite into a host communications gateway that simulates within a host computer environment the same polling registers that the data was collected from in the remote locations.

Inventors

MCCOY ROBERT

HAAPANEN BRIAN

BRISTOW RICHARD

SCHULZE BRYAN

BESSER GORDON

DETHROW DOUGLAS

Latest standardized assignees - inventors removed

BAKER HUGHES

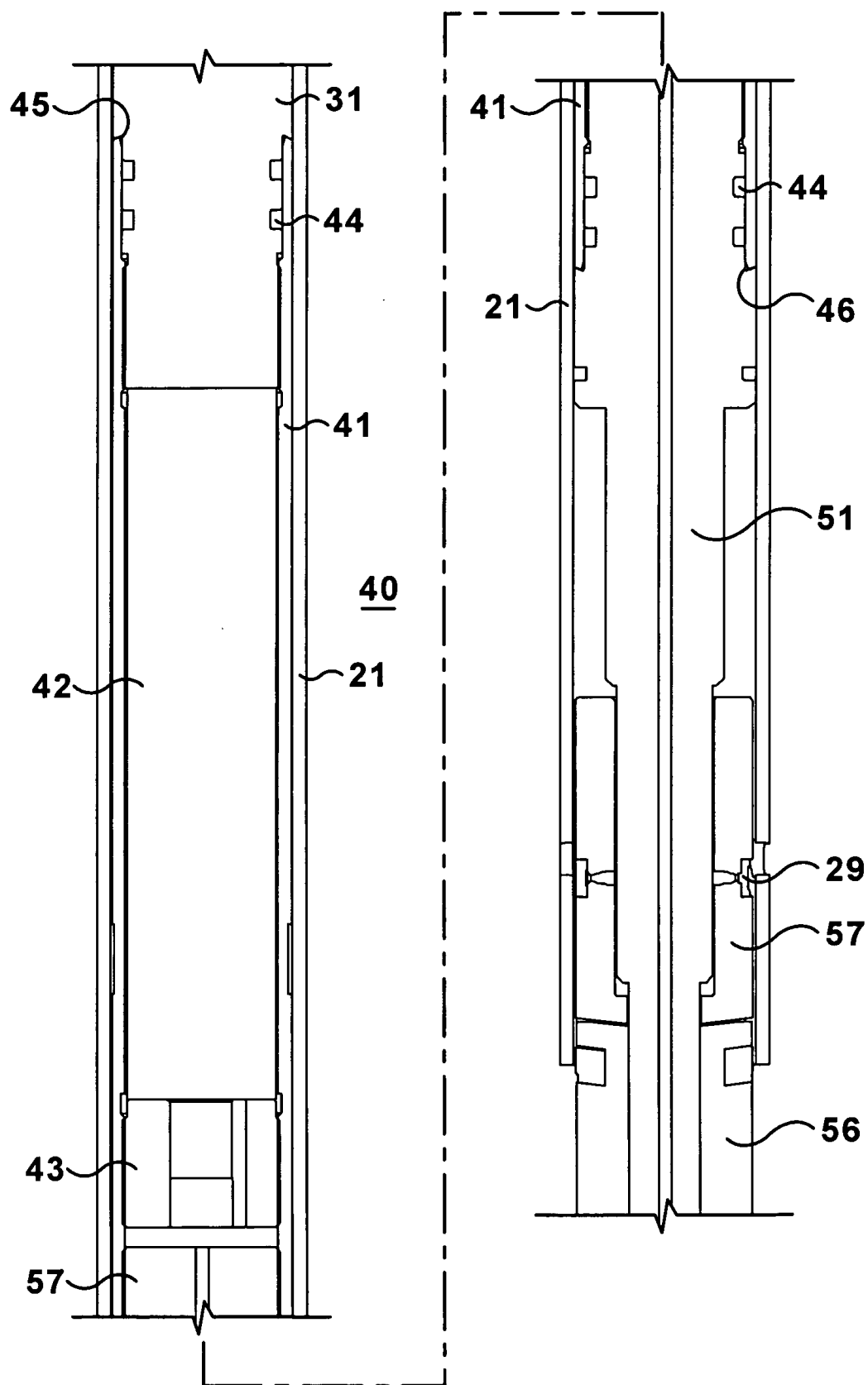
Family 2/15 - FAMPAT - ©Questel

Title

(EP1697766)

Through tubing real time downhole wireless gauge

Images


Publication data including kind & date

US20050055912	A1	2005-03-17	US20050055912
US20050121253	A1	2005-06-09	US20050121253
WO2005057240	A1	2005-06-23	WO200557240
CA2547710	A1	2005-06-23	CA2547710
AU2004297987	A1	2005-06-23	AU2004297987
NO20063162	A	2006-07-07	NO200603162



EP1697766	A1	2006-09-06	EP1697766				
EA200601122	A1	2006-10-27	EA200601122				
CN1890582	A	2007-01-03	CN1890582				
BRPI0417396	A	2007-04-17	BR200417396				
BRPI0417396	A1	2007-04-17	BRPI0417396				
US7257050	B2	2007-08-14	US7257050				
EA009357	B1	2007-12-28	EA---9357				
AU2004297987	B2	2008-04-17	AU2004297987				
CN100401098	C	2008-07-09	CN100401098C				
US20090272045	A1	2009-11-05	US20090272045				
EG24813	A	2010-09-20	EG--24813				
US8117789	B2	2012-02-21	US8117789				
US20120144761	A1	2012-06-14	US20120144761				
US8695293	B2	2014-04-15	US8695293				
BRPI0417396	A2	2014-04-29	BR200417396				
CA2547710	C	2014-05-20	CA2547710				
EP1697766	B1	2018-03-14	EP1697766				

Abstract

(EP1697766)

A telemetry system having: a pipe; a **SCADA** box acoustically coupled to the pipe; and a gauge inserted in the pipe, the gauge comprising: an acoustic wave generator; a coupler mechanically connected to the acoustic wave generator, wherein the coupler is engageable and disengageable with the pipe, wherein the coupler defines an acoustic transmission path between the acoustic wave generator and the pipe when engaged with the pipe; and a signal controller in communication with the acoustic wave generator. A method for communicating information in a wellbore from a downhole location to the surface, the method having the following steps: running a downhole gauge into a pipe within the wellbore, wherein the downhole gauge comprise an acoustic wave generator; setting the downhole gauge in the pipe; and communicating an acoustic signal between the downhole gauge and the pipe.

Inventors

BERGERON CLARK JOSEPH

STEWART JOHN FOREMAN

TUBEL PAULO SERGIO

Latest standardized assignees - inventors removed

SHELL

Family 3/15 - FAMPAT - ©Questel

Title

(EP2820497)

Method and system for advising operator action

Images

AU2013224895	A1	2014-09-11	AU2013224895				
AU2013224935	A1	2014-09-18	AU2013224935				
AU2013224892	A1	2014-09-25	AU2013224892				
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EP2820497	A1	2015-01-07	EP2820497				
EP2820495	A1	2015-01-07	EP2820495				
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US20150057973	A1	2015-02-26	US20150057973				
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US20150066418	A1	2015-03-05	US20150066418				
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JP2015514894	A	2015-05-21	JP2015514894				
JP2015516530	A	2015-06-11	JP2015516530				
US9274520	B2	2016-03-01	US9274520				

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IN6226/CHENP/2014	A	2016-07-01	IN2014CN06226				
IN6148/CHENP/2014	A	2016-07-01	IN2014CN06148				
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CA2865194	C	2018-01-09	CA2865194				
US9921577	B2	2018-03-20	US9921577				
RU2657047	C2	2018-06-09	RU2657047				

Abstract

(EP2820497)

A system and computer-implemented method for monitoring and diagnosing anomalies in a wheel-space of a gas turbine is implemented using a computer device coupled to a user interface and a memory device and includes storing a plurality rule

sets in the memory device, the rule sets relative to the wheel-space, the rule sets including at least one rule expressed as a relational expression of a real-time data output relative to a real-time data input, the relational expression being specific to a temperature of the wheel-space. The method also includes receiving real-time and historical data inputs from a condition monitoring system associated with the gas turbine, the data inputs relating to sources providing heat to the wheel-space and estimating a wheel-space temperature value using the inputs relating to a temperature of the wheel-space.

Inventors

CECCHERINI ALBERTO

KHALIDI ABDURRAHMAN ABDALLAH

SARAVANAPRIYAN ARUL

BIANUCCI DAVID

PUMO ANTONIO

BETTI ALESSANDRO

CROCIANI RICCARDO

ASHOUR OSAMA NAIM

Latest standardized assignees - inventors removed

NUOVO PIGNONE

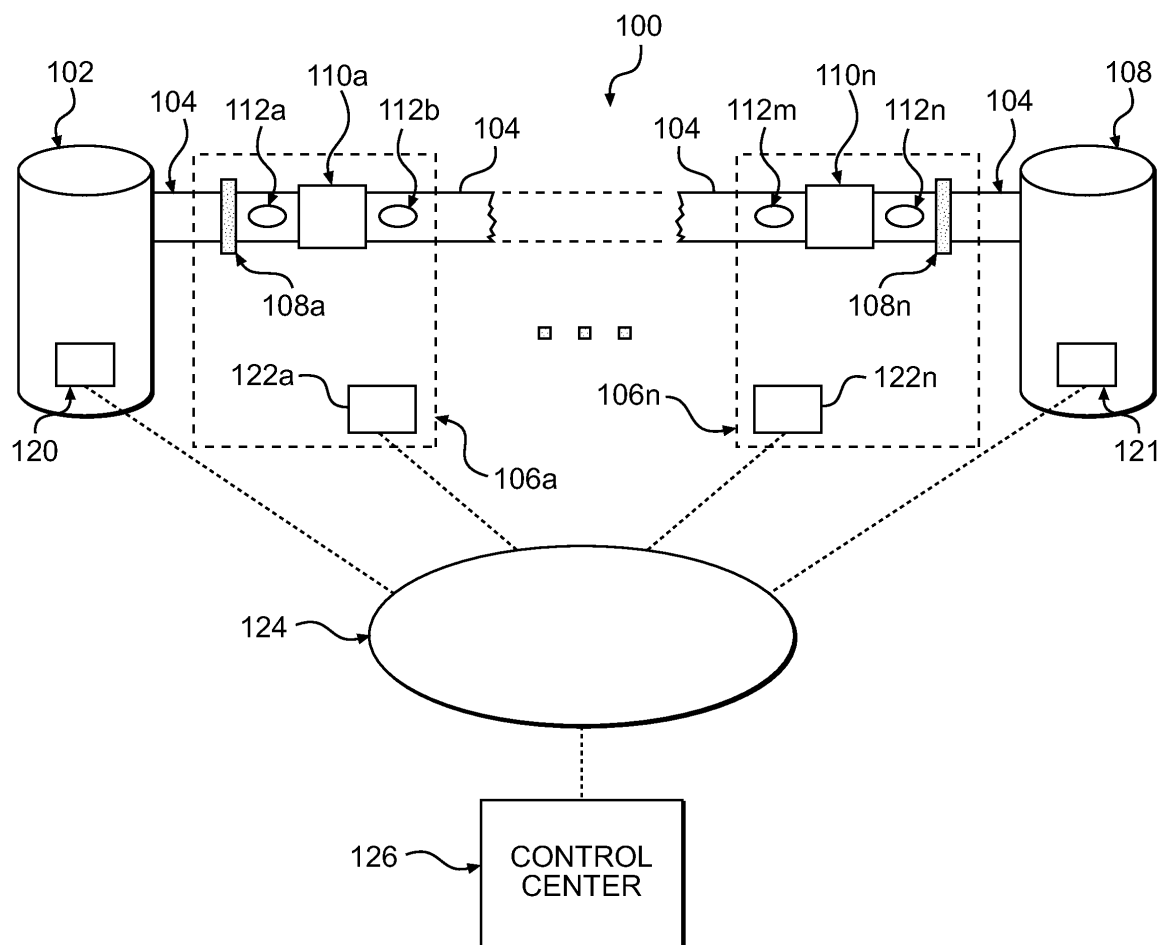
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Title

(EP2291628)

A method and apparatus for real time enhancing of the operation of a fluid transport pipeline

Images



Publication data including kind & date

WO2009158602 A1 2009-12-30 WO2009158602

CA2728561 A1 2009-12-30 CA2728561



AU2009262099	A1	2009-12-30	AU2009262099				
US20090322544	A1	2009-12-31	US20090322544				
EP2291628	A1	2011-03-09	EP2291628				
CN102132138	A	2011-07-20	CN102132138				
IN0084/CHENP/2011	A	2011-09-23	IN2011CN00084				
RU2011102052	A	2012-08-10	RU2011102052				
AU2009262099	B2	2014-01-09	AU2009262099				
US8766806	B2	2014-07-01	US8766806				
RU2525369	C2	2014-08-10	RU2525369				
US20140305513	A1	2014-10-16	US20140305513				
CN102132138	B	2015-06-17	CN102132138B				
EP2291628	B1	2016-11-30	EP2291628				
US20170003200	A1	2017-01-05	US20170003200				
WO2018052675	A1	2018-03-22	WO201852675				

Abstract

(EP2291628)

A real time method and dynamic logic-based system for enhancing the operation of a pipeline network is disclosed. The system and method perform monitoring of the operation of a pipeline network, generate alarms in response to differing levels of destabilized pipeline operations, manage the generation of alarms based upon known operating events and operating conditions, diagnose potential source of the detected destabilized events and manage the operation of the pipeline.

Inventors

MCDOWELL KEITH C

Latest standardized assignees - inventors removed

EXXONMOBIL

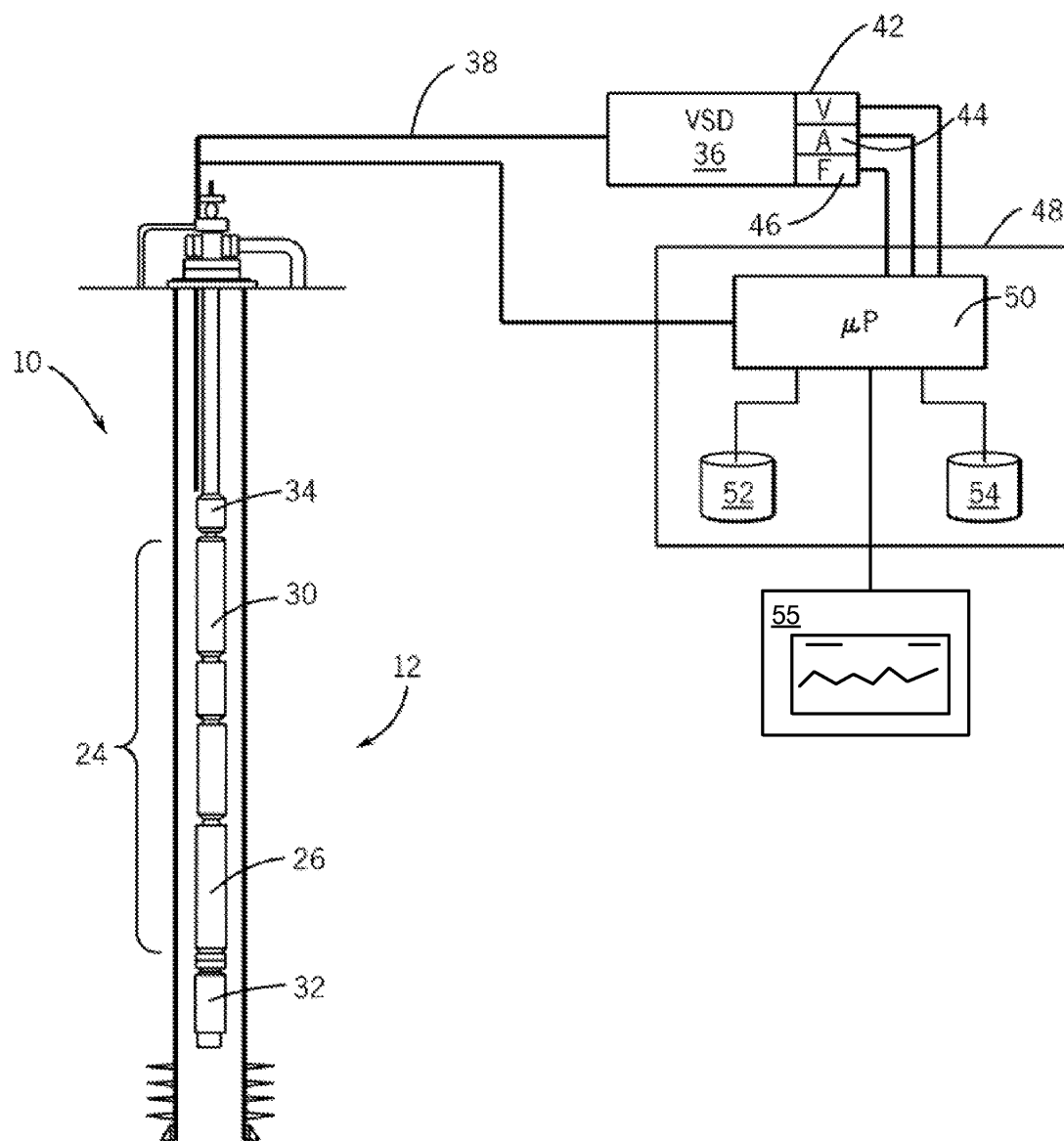
Family 5/15 - FAMPAT - ©Questel

Title

(WO201150092)

System, method, and computer readable medium for calculating well flow rates produced with electrical submersible pumps

Images



Publication data including kind & date

US20110088484	A1	2011-04-21	US20110088484
WO2011050092	A2	2011-04-28	WO201150092
CA2778000	A1	2011-04-28	CA2778000
WO2011050092	A3	2011-07-28	WO201150092
GB201208618	D0	2012-06-27	GB201208618
GB2487519	A	2012-07-25	GB2487519
BR112012009089	A1	2012-12-04	BR112012009089
US8527219	B2	2013-09-03	US8527219
RU2012120705	A	2013-11-27	RU2012120705
US20130317762	A1	2013-11-28	US20130317762
RU2513812	C2	2014-04-20	RU2513812
GB2487519	B	2015-04-29	GB2487519
BR112012009089	A2	2016-04-26	BR112012009089
US9476742	B2	2016-10-25	US9476742



Abstract

(WO201150092)

A system, method, and computer readable medium for calculating well flow rates produced with electrical submersible pumps using measured voltage, current, frequency and pressure data. An efficiency to flow rate ratio is calculated from the voltage, current, and pressure data. The efficiency to flow rate ratio is used to obtain a non-dimensional flow rate. The flow

rate through the electrical submersible pump is calculated from the non-dimensional flow rate.

Inventors

CAMILLERI LAWRENCE

Latest standardized assignees - inventors removed

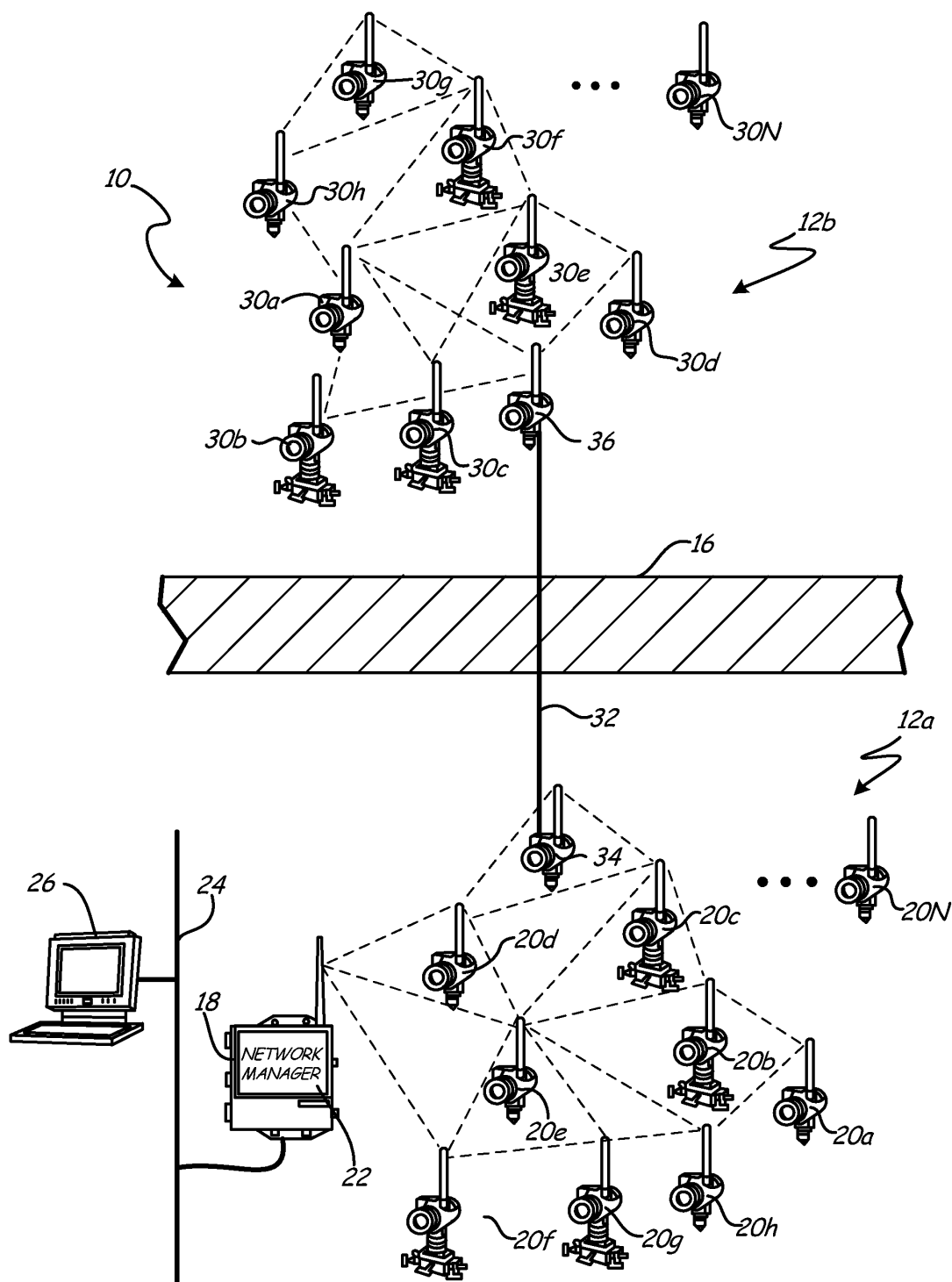
SCHLUMBERGER TECHNOLOGIES

Family 6/15 - FAMPAT - ©Questel

Title

(EP2543166)

Apparatus for interconnecting wireless networks separated by a barrier

Images

WO2011109070	A2	2011-09-09	WO2011109070				
WO2011109070	A3	2012-01-12	WO2011109070				
CN102823200	A	2012-12-12	CN102823200				
EP2543166	A2	2013-01-09	EP2543166				
JP2013521698	A	2013-06-10	JP2013521698				
BR112012022341	A1	2013-07-09	BR112012022341				
IN6505/DELNP/2012	A	2014-01-10	IN2012DN06505				
JP5841549	B2	2016-01-13	JP5841549				
CN102823200	B	2016-02-24	CN102823200B				
EP2543166	A4	2016-03-23	EP2543166				
BR112012022341	A2	2016-07-05	BR112012022341				

Abstract

(EP2543166)

An apparatus for bridging a barrier to wireless communication between wireless field device networks includes a pair of locally-powered wireless devices connected by a wired link spanning the barrier. At least one of the locally-powered wireless devices is in wireless communication with each of the wireless networks intended to be interconnected. The wireless devices include a wireless transceiver and an antenna. Messages from one wireless field device network addressed to a member node of another wireless field device network are received by a wireless device on one side of the barrier and transmitted via the wired link to another wireless device on the other side of the barrier for routing to the member node of the other wireless field device network.

Inventors

ORTH KELLY MICHAEL

Latest standardized assignees - inventors removed

ROSEMOUNT

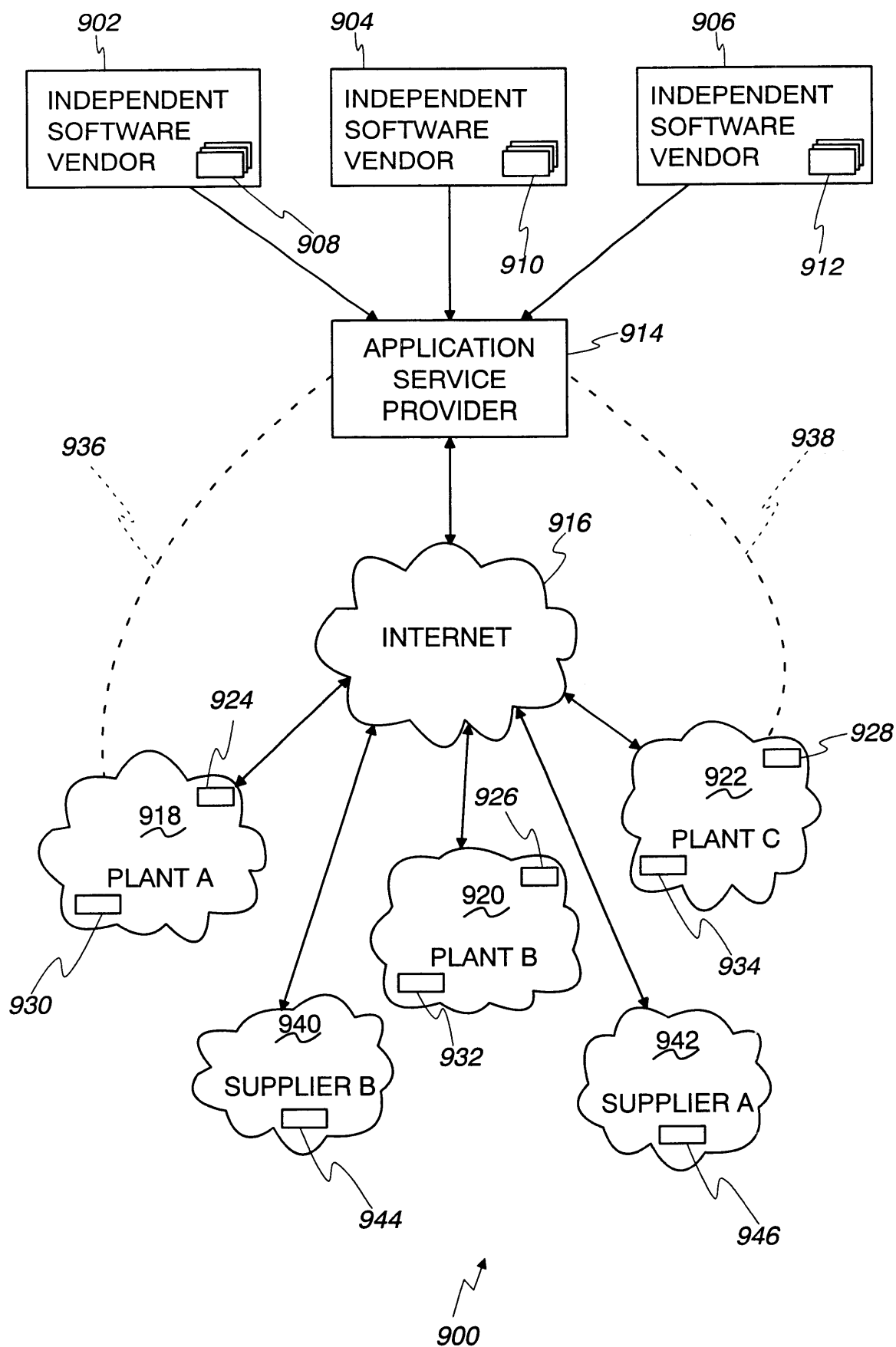
Family 7/15 - FAMPAT - ©Questel

Title

(EP1573613)

Integrated alert generation in a process plant

Images


Publication data including kind & date

US20020077711	A1	2002-06-20	US20020077711
GB0212610	D0	2002-07-10	GB200212610
US20020123856	A1	2002-09-05	US20020123856
US20020123864	A1	2002-09-05	US20020123864



WO02071173	A2	2002-09-12	WO200271173				
WO02071172	A2	2002-09-12	WO200271172				
WO02071171	A2	2002-09-12	WO200271171				
WO02071170	A2	2002-09-12	WO200271170				
WO02071169	A2	2002-09-12	WO200271169				
WO02071168	A1	2002-09-12	WO200271168				
US20020147506	A1	2002-10-10	US20020147506				
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US20020161940	A1	2002-10-31	US20020161940				
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WO02095509	A2	2002-11-28	WO200295509				
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WO02071173	A3	2003-01-09	WO200271173				
WO02071170	A3	2003-01-09	WO200271170				
US20030028268	A1	2003-02-06	US20030028268				
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WO02071172	A3	2003-05-22	WO200271172				
WO02071169	A3	2003-05-30	WO200271169				
WO03075206	A2	2003-09-12	WO200375206				
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EP1364263	A2	2003-11-26	EP1364263				
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JP4079321	B2	2008-04-23	JP4079321				
JP4083018	B2	2008-04-30	JP4083018				
CN101213580	A	2008-07-02	CN101213580				
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EP1366397	B1	2013-09-18	EP1366397				

Abstract

(EP1573613)

Operational status information associated with a process entity in a process plant(10) is received.The operational status information is mapped into one of a plurality of status conditions.Then, an alert message associated with the process entity is generated, where the alert message is indicative of the one status condition of the plurality of status conditions.

Inventors

ERYUREK EVREN

LLEWELLYN CRAIG THOMAS

MARSCHALL LESTER DAVID

WESTBROCK JON D

HARRIS STUART A

HOKENESS SCOTT N

Latest standardized assignees - inventors removed

FISHER ROSEMOUNT SYSTEMS

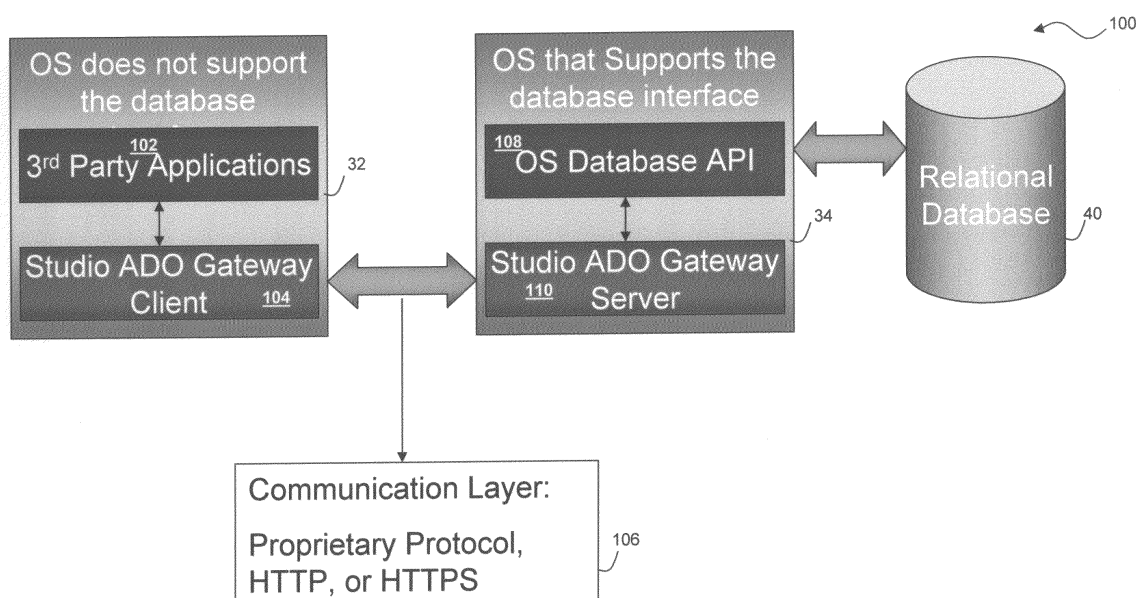
Family 8/15 - FAMPAT - ©Questel

Title

(EP1846849)

Method and system for communicating between an embedded device and relational databases

Images



Publication data including kind & date

WO2006081216	A2	2006-08-03	WO200681216
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US7840594	B2	2010-11-23	US7840594
US20110093871	A1	2011-04-21	US20110093871



Abstract

(EP1846849)

Techniques for communicating between an embedded device and at least one remote database for a wide variety of applications, including human machine interface and supervisory control and data acquisition and B2B applications. An application program interface interfaces an application program seeking access to a predetermined database and which operates on an operating system not operating a database **driver** program. A parser translates communications with the application program interface into and from commands and formatted data of an operating system independent form. A protocol stack formats the commands and formatted data into header formatted communications signals to accord with a predetermined protocol. Another protocol stack receives the header formatted communications signals and removes header data from the header formatted communications signals for generating database communications signals. Another parser receives the database communications signals, generates a plurality of database formatted SQL commands, and communicates the database formatted SQL commands. A database interface interfaces the predetermined database and communicates the database formatted SQL commands with the predetermined database.

Inventors

TEODORO JOSE LOURENCO

TEREZINHO FABIO DE SOUZA

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Latest standardized assignees - inventors removed

INDUSOFT

JP6124349

B2 2017-05-10 JP6124349

EP2665895

A4 2018-04-11 EP2665895

**Abstract**

(EP2665895)

A compressed-air energy storage system according to embodiments of the present invention comprises a reversible mechanism to compress and expand air, one or more compressed air storage tanks, a control system, one or more heat exchangers, and, in certain embodiments of the invention, a motor-generator. The reversible air compressor-expander uses mechanical power to compress air (when acting as a compressor) and converts the energy stored in compressed air to mechanical power (when acting as an expander). In certain embodiments, the compressor-expander comprises one or more stages, each stage consisting of pressure vessel (the pressure cell) partially filled with water or other liquid. In some embodiments, the pressure vessel communicates with one or more cylinder devices to exchange air and liquid with the cylinder chamber(s) thereof. Suitable valving allows air to enter and leave the pressure cell and cylinder device, if present, under electronic control.

Inventors

STAHLKOPF KARL E

FONG DANIELLE A

CRANE STEPHEN E

BERLIN EDWIN P JR

POURMOUSA ABKENAR AMIRHOSSEIN

Latest standardized assignees - inventors removed

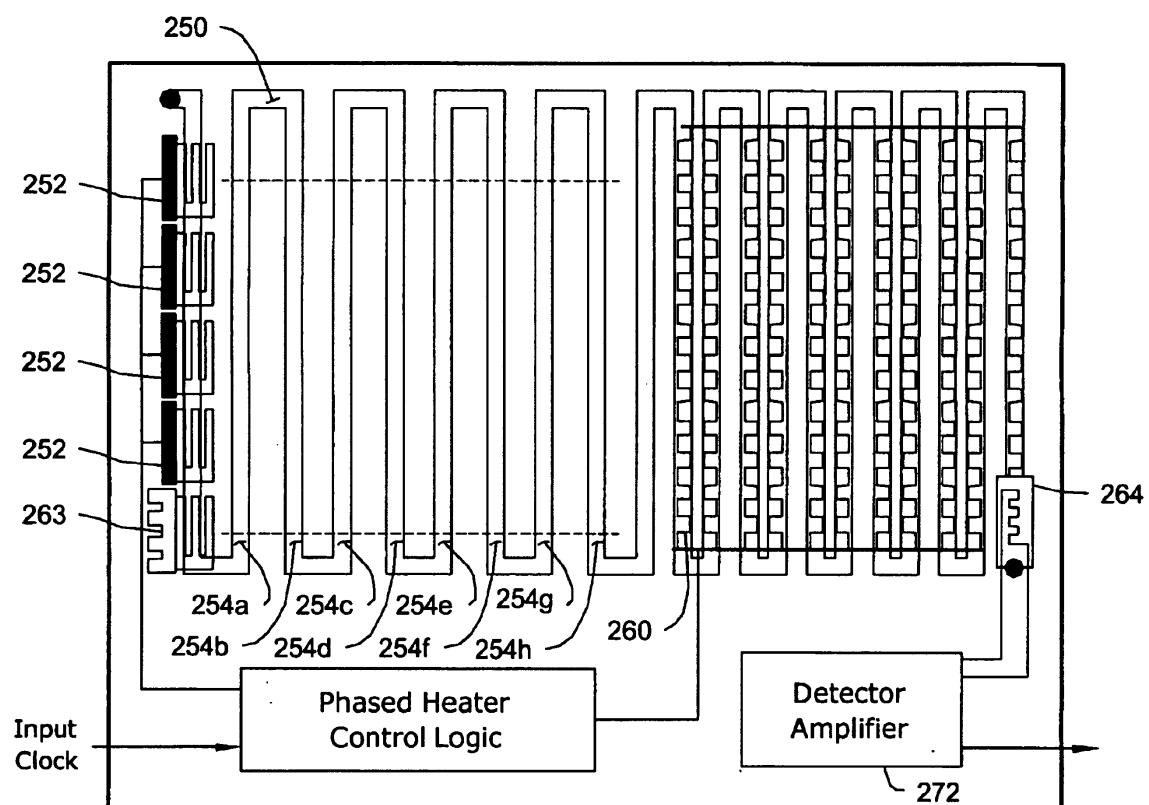
LIGHTSAIL ENERGY

Family 10/15 - FAMPAT - ©Questel

Title

(EP1774316)

Phased micro analyzer

Images

Publication data including kind & date

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Abstract

(EP1774316)

A micro fluid analyzer that may be highly sensitive, fast and very compact. The analyzer may use sufficiently low power per analysis to be easily implemented with an equivalently small battery pack or other portable power source. There may be energy conservation features in the analyzer, such as optimal adsorber film thicknesses in the pre-concentrator, concentrator and chromatographic separators. There may be special timing of the phased heating elements in the concentrators and separators to further reduce energy consumption. Various kinds of detectors and sensors may be incorporated in the analyzer for achieving low probability for false positives and detection versatility. There may be a controller that provides data acquisition and analyses, drive signals for control, management of wireless signal transmission and reception, processing, and other operational uses of the micro analyzer.

Inventors

BONNE ULRICH

Latest standardized assignees - inventors removed

HONEYWELL INTERNATIONAL

Family 11/15 - FAMPAT - ©Questel

Title

(WO9836353)

System for configuring a process control environment with graphical elements

Images

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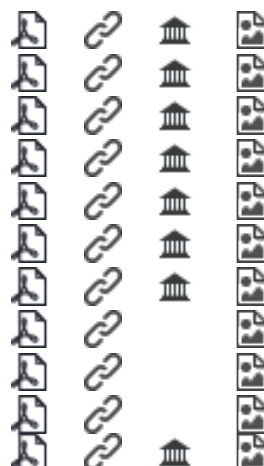
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JP5936180	B2	2016-06-15	JP5936180				
JP6194252	B2	2017-09-06	JP6194252				

Abstract

(WO9836353)

A control studio object system is disclosed which allows a process control environment to be easily and quickly configured or modified. The control studio object system includes a stencil portion having stencil items conforming to algorithms and a diagram portion to which the stencil items may be copied via a drag and drop operation. Because the stencil items are objects which contain all of the information required by a diagram portion to create an object that contains all of the information necessary to program the process control environment, the completed diagram portion reflects the actual configuration of the process control environment. Additionally, providing the stencil items as objects allows the diagrammed environment to be installed directly to nodes without requiring the diagram to be compiled or rewritten in a language conforming to the node.

Inventors

DOVE ANDREW P

JUNDT LARRY O

HAMMACK STEPHEN G

FLETCHER J CLINT

Latest standardized assignees - inventors removed

FISHER ROSEMOUNT SYSTEMS

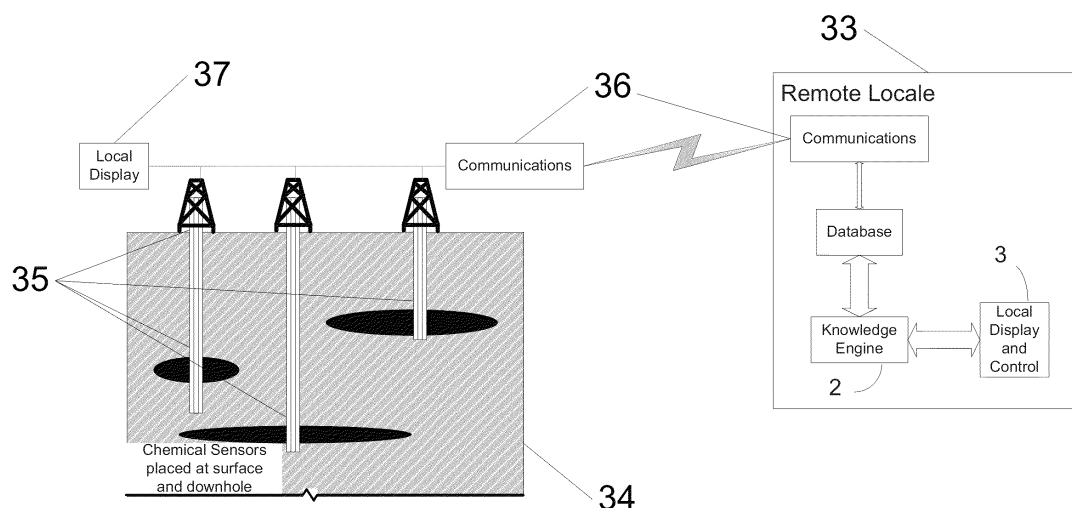
Family 12/15 - FAMPAT - ©Questel

Title

(EP2935777)

System and method for production reservoir and well management using continuous chemical measurement

Images



Publication data including kind & date

US20140170025	A1	2014-06-19	US20140170025
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EP2935777	A4	2016-08-24	EP2935777



Abstract

(EP2935777)

A system (1000) performs methods for well and reservoir management for optimized production of fluids in a reservoir. The system includes a knowledge engine (2) configured to receive a plurality of field inputs (1), process and analyze the field inputs, and provide a plurality of outputs (3) for presentation to an operator. The system also includes a user data interface (29) configured to display the plurality of data outputs. The plurality of field inputs comprises chemical sensing data (6) and at least one of: temperature, pressure, flow rate and concentration of production components from one or more individual wells located within the reservoir, seismic surveys of the reservoir, permeability, geochemistry and lithology of rock formations, and geographic information system (GIS) data associated with the reservoir.

Inventors

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 PETRO MIROSLAV
 DE BRUYKER DIRK
 PIOTTI MARCELO

Latest standardized assignees - inventors removed

NEOTEK ENERGY

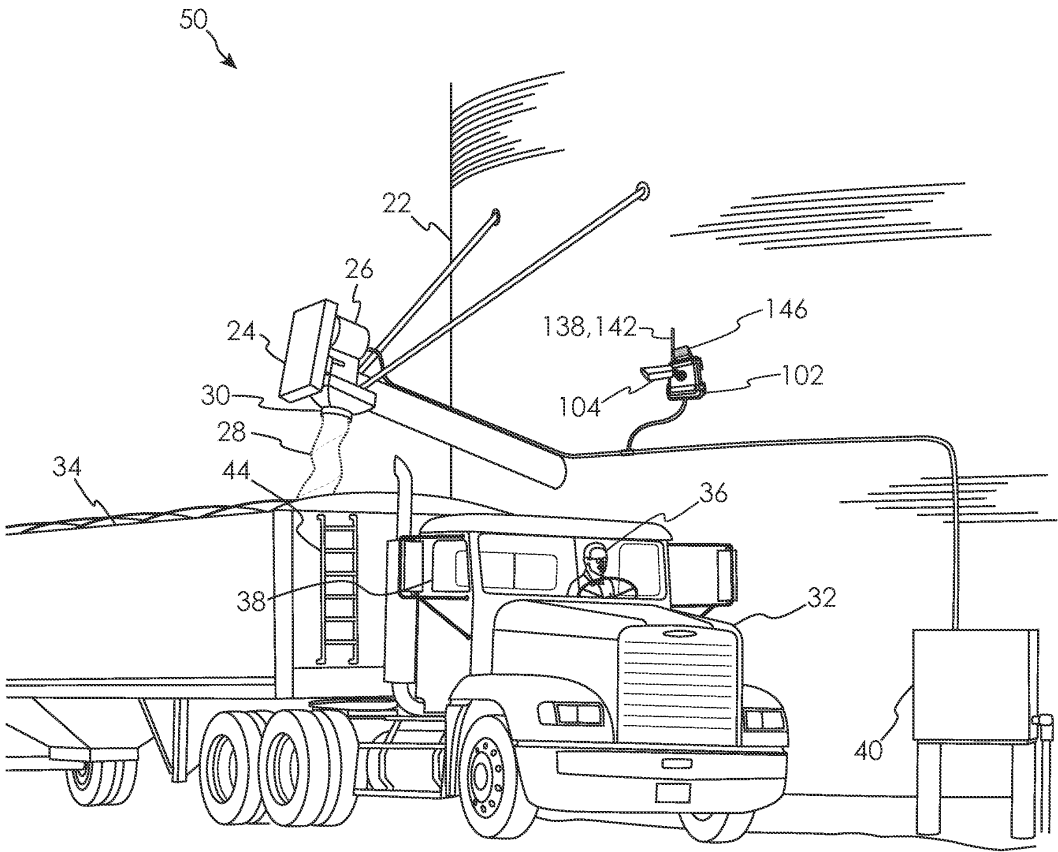
Family 13/15 - FAMPAT - ©Questel

Title

(EP2326581)

Monitoring and control system for commodity loading

Images



Publication data including kind & date

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BRPI0912962	A1	2016-06-07	BR200912962				
CA2771547	C	2016-12-06	CA2771547				

Abstract

(EP2326581)

A system (100) for in-vehicle (38) monitoring and control of commodity loading, such a grain or loose or fluid materials, from a storage bin (22) to a transport bin (34) using a loading system (24), includes a loading system control device (102)

and a user interface device (110) capable of mutual wireless communication. The system (100) improves safety by eliminating the need for operators (36) to crawl up the side of vehicle in order to check levels of commodity (28) in the transport bin (34), while also trying to move the transport bin as required. The loading system control device (102) includes a logic switching unit (130) for selectively operating the loading system (24) that transfers the commodity (28) from the storage bin (22); one or more cameras (104, 106) providing visual feeds (112, 114) of the loading of commodity into the transport bin; and a security or safety feature (134). The user interface device (110) includes a display (120) for displaying the visual feeds (112, 114) and control switches (122) for operating the loading system (24).

Inventors

MYLET NEIL T

Latest standardized assignees - inventors removed

LOADOUT TECHNOLOGIES

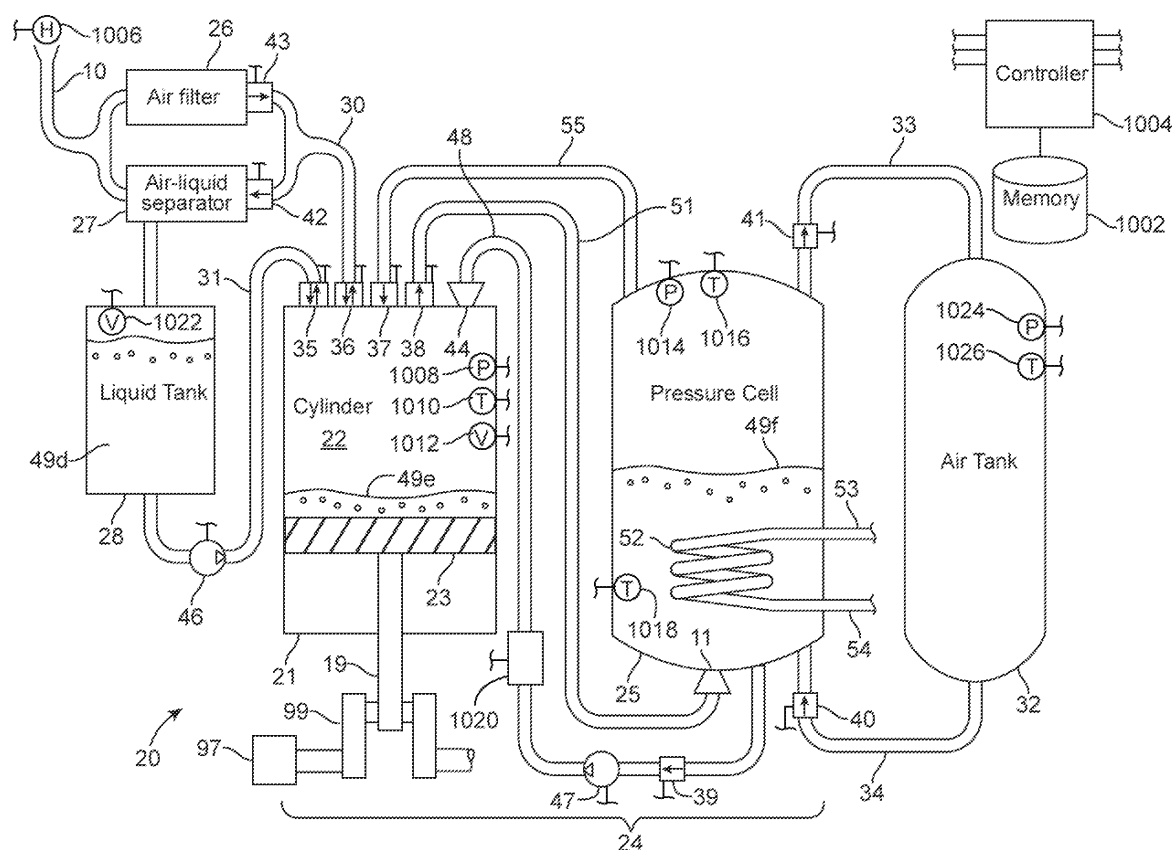
Family 14/15 - FAMPAT - ©Questel

Title

(EP2449259)

Compressed air energy storage system utilizing two-phase flow to facilitate heat exchange

Images



Publication data including kind & date

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Abstract

(EP2449259)

A compressed-air energy storage system according to embodiments of the present invention comprises a reversible

mechanism to compress and expand air, one or more compressed air storage tanks, a control system, one or more heat exchangers, and, in certain embodiments of the invention, a motor-generator. The reversible air compressor-expander uses mechanical power to compress air (when it is acting as a compressor) and converts the energy stored in compressed air to mechanical power (when it is acting as an expander). In certain embodiments, the compressor-expander comprises one or more stages, each stage consisting of pressure vessel (the "pressure cell") partially filled with water or other liquid. In some embodiments, the pressure vessel communicates with one or more cylinder devices to exchange air and liquid with the cylinder chamber(s) thereof. Suitable valving allows air to enter and leave the pressure cell and cylinder device, if present, under electronic control.

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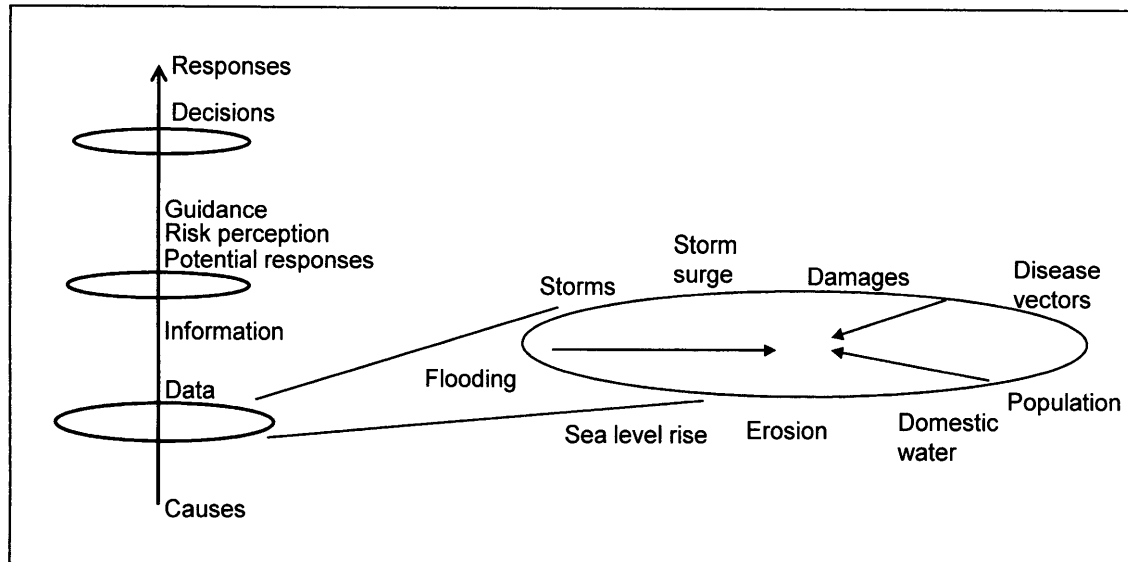
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Automated research systems and methods for researching systems

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**Abstract**

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Systems and methods that provide for automated research into the workings of one or more studied systems include automated research software modules that communicate with domain knowledge bases, research professionals, automated laboratories experiment objects, and data analysis processes, wherein automatically selected experiment objects can be run at an automated laboratory to produce experimental results, and the subsequent data-processing providing automated guidance to a next round of experiment choice and automated research. An Experiment Director rules

engine chooses Experiment Objects based on user input through a Query Manager.

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