5 Documents

Publication numbers	Title	Current assignees
WO2012128803 A1	Apparatus and method for data communication in an energy distribution network	SUNPOWER
GB201012499 D0	Data storage and transfer	ONZO
WO201150297 A2	Power node with network switch	GREENWAVE SYSTEMS PTE
IN2007CH01282 A	Intelligent automatic meter reading system for collecting and managing data from metering devices	ICSA INDIA
WO200495327 A2	System for the real-time management of a plurality of electronic meters used to measure energy and/or effluent consumed	EDF - ELECTRICITE DE FRANCE

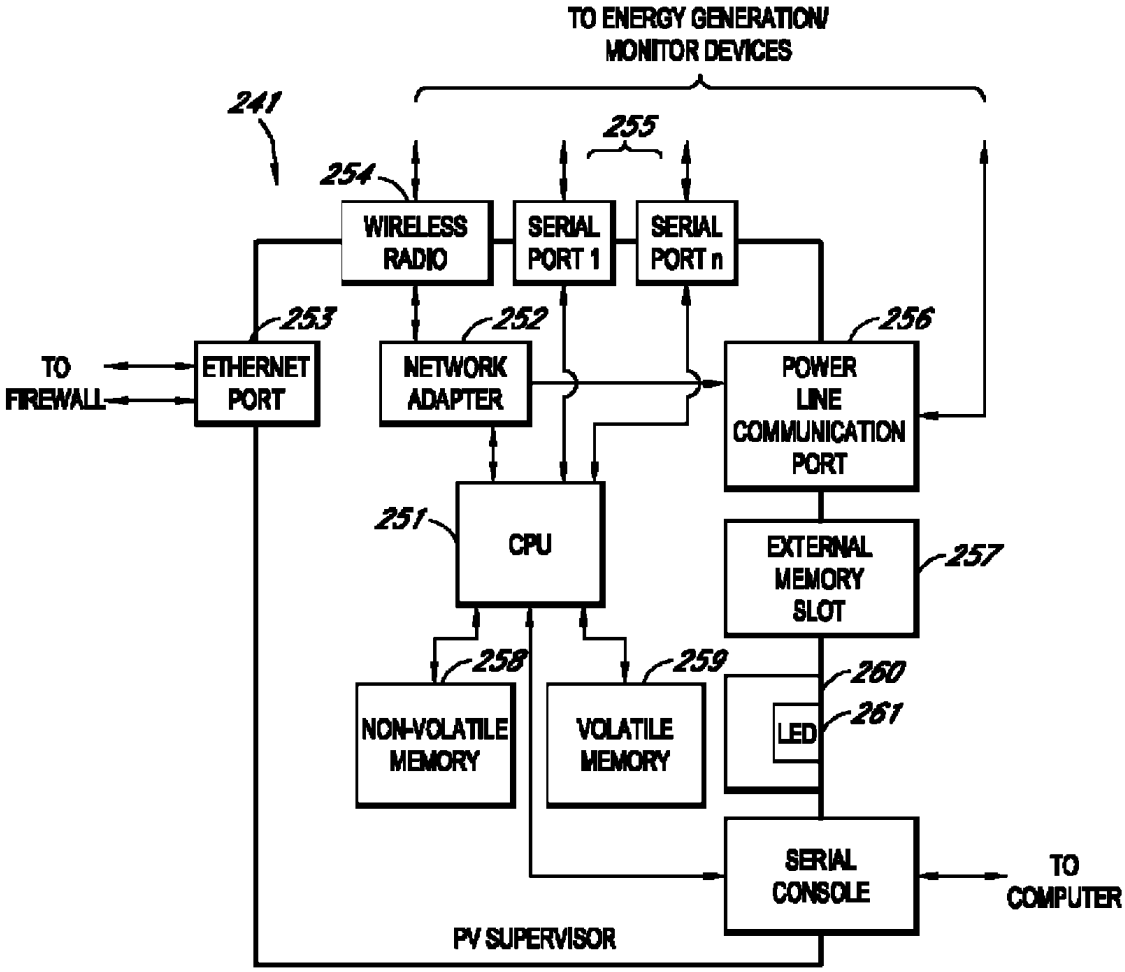
Family 1/5 - FAMPAT - ©Questel

Title

(EP2689558)

Apparatus and method for data communication in an energy distribution network

Images



Publication data including kind & date

WO2012128803	A1	2012-09-27	WO2012128803
US20120243416	A1	2012-09-27	US20120243416
AU2011362996	A1	2013-09-12	AU2011362996
EP2689558	A1	2014-01-29	EP2689558
KR20140020964	A	2014-02-19	KR20140020964
JP2014511074	A	2014-05-01	JP2014511074
US8774007	B2	2014-07-08	US8774007
EP2689558	A4	2014-08-27	EP2689558
ZA201307215	B	2014-11-26	ZA201307215
IN8745/DELNP/2013	A	2014-12-19	IN2013DN08745
JP5763262	B2	2015-08-12	JP5763262
AU2011362996	B2	2016-09-15	AU2011362996

Abstract

(EP2689558)

A system (200) for communicating information on an energy distribution network (100) is disclosed.In one embodiment, the system (200) includes a local supervisor (241) on a communication network, wherein the local supervisor (241) can collect data from one or more energy generation/monitoring devices (151-155, 161-165, 171-173, 181- 185).The system (200) also includes a command center (210) on the communication network, wherein the command center (210) can generate one or more commands for controlling the one or more energy generation devices.The local supervisor (241) can periodically transmit a data signal indicative of the data to the command center (210) via a first channel (201) of the communication network at a first interval.The local supervisor (241) can also periodically transmit a request for a command to the command center (210) via a second channel (202) of the communication network (200) at a second interval shorter than the first interval.This channel configuration provides effective data communication without a significant increase in the use of network resources.

Inventors

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Latest standardized assignees - inventors removed

SUNPOWER

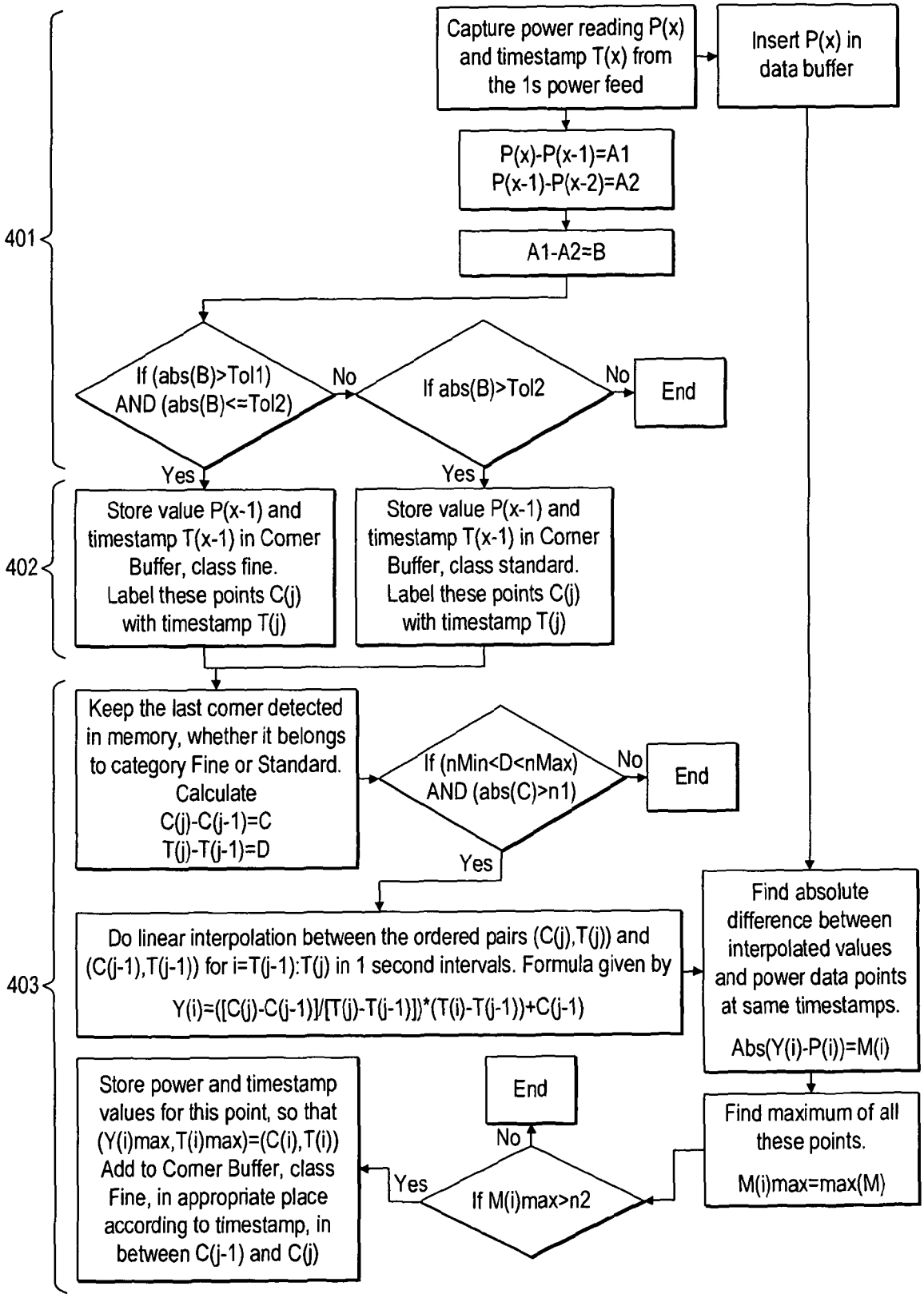
Family 2/5 - FAMPAT - ©Questel

Title

(EP2499463)

Data storage and transfer

Images



Publication data including kind & date

GB201012499	D0	2010-09-08	GB201012499
WO2011058326	A2	2011-05-19	WO201158326
GB2477005	A	2011-07-20	GB2477005
WO2011058326	A3	2011-10-20	WO201158326
US20110295912	A1	2011-12-01	US20110295912
EP2499463	A2	2012-09-19	EP2499463
GB2477005	B	2013-02-20	GB2477005
US8874623	B2	2014-10-28	US8874623

EP2499463	B1	2017-01-11	EP2499463

Abstract

(EP2499463)

A method and apparatus for storing data regarding parameter values by making a series of measurements of parameter values at times separated by predetermined time intervals, processing the series of measurements of parameter values made at predetermined time intervals to identify events at different times, generating a further series of measurements of parameter values at each of said different times, and storing each of said further series of measurements of parameter values in association with said respective different time.

Inventors

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Latest standardized assignees - inventors removed

ONZO

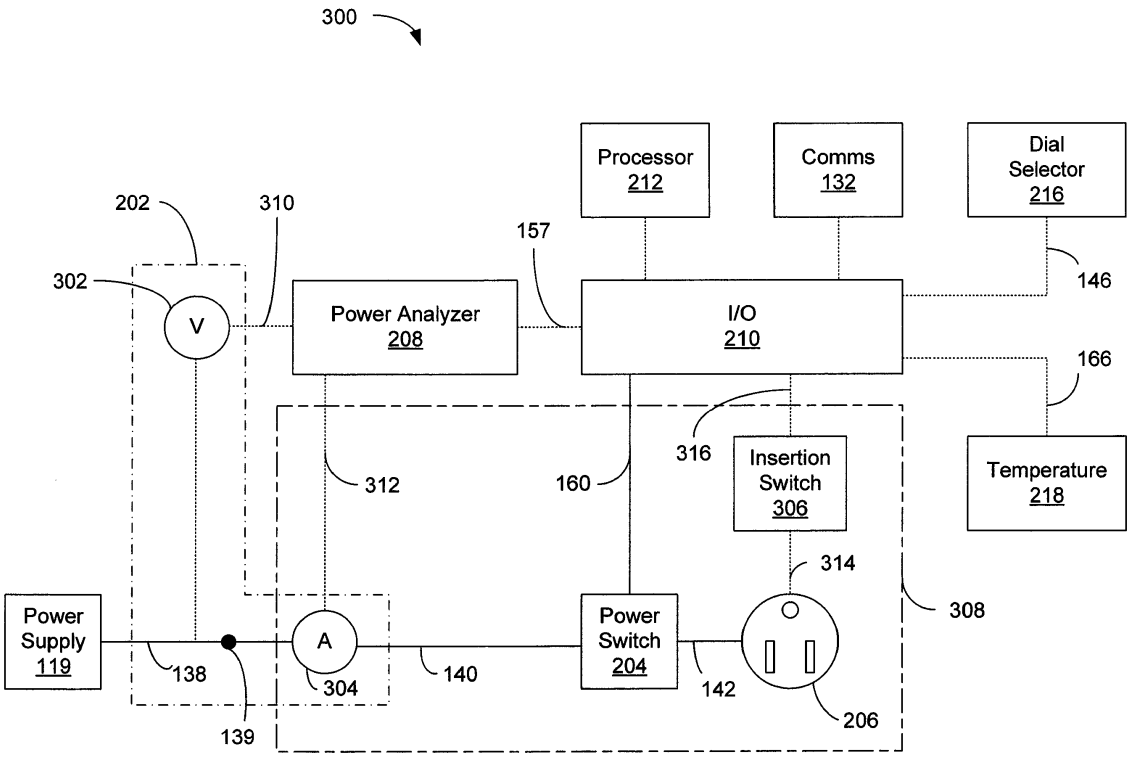
Family 3/5 - FAMPAT - ©Questel

Title

(EP2561583)

Power node with network switch

Images



Publication data including kind & date

WO2011050297	A2	2011-04-28	WO201150297
WO2011050212	A2	2011-04-28	WO201150212
WO2011050013	A2	2011-04-28	WO201150013
US20110098953	A1	2011-04-28	US20110098953
US20110098867	A1	2011-04-28	US20110098867
US20110095608	A1	2011-04-28	US20110095608
WO2011050297	A3	2011-08-11	WO201150297

WO2011050013	A3	2011-09-09	WO201150013
WO2011050212	A3	2011-09-29	WO201150212
WO2011142868	A1	2011-11-17	WO2011142868
US8138626	B2	2012-03-20	US8138626
US8185333	B2	2012-05-22	US8185333
CN102577234	A	2012-07-11	CN102577234
EP2491351	A2	2012-08-29	EP2491351
EP2491674	A2	2012-08-29	EP2491674
EP2491682	A2	2012-08-29	EP2491682
EP2561583	A1	2013-02-27	EP2561583
EP2491674	A4	2013-05-15	EP2491674
US8452554	B2	2013-05-28	US8452554
CN102577234	B	2013-10-02	CN102577234B
US20130311114	A1	2013-11-21	US20130311114
EP2491351	B1	2013-12-11	EP2491351
US8781769	B2	2014-07-15	US8781769
EP2561583	A4	2016-08-17	EP2561583
EP2491682	B1	2017-11-15	EP2491682

Abstract

(EP2561583)

A power node provides energy management and network expansion features in a networked data communications and control environment that may be utilized in an energy management system implementing a method of managing energy.Network expansion may be provided by integrating a networking bridge from a power line network to one or more wired network ports or a wireless network.The power outlet on the power node providing power to a device may be identified and associated with information about the device.

Inventors

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Latest standardized assignees - inventors removed

GREENWAVE SYSTEMS PTE

Family 4/5 - FAMPAT - ©Questel

Title

(EP2171401)

Intelligent automatic meter reading system for collecting and managing data from metering devices

Images

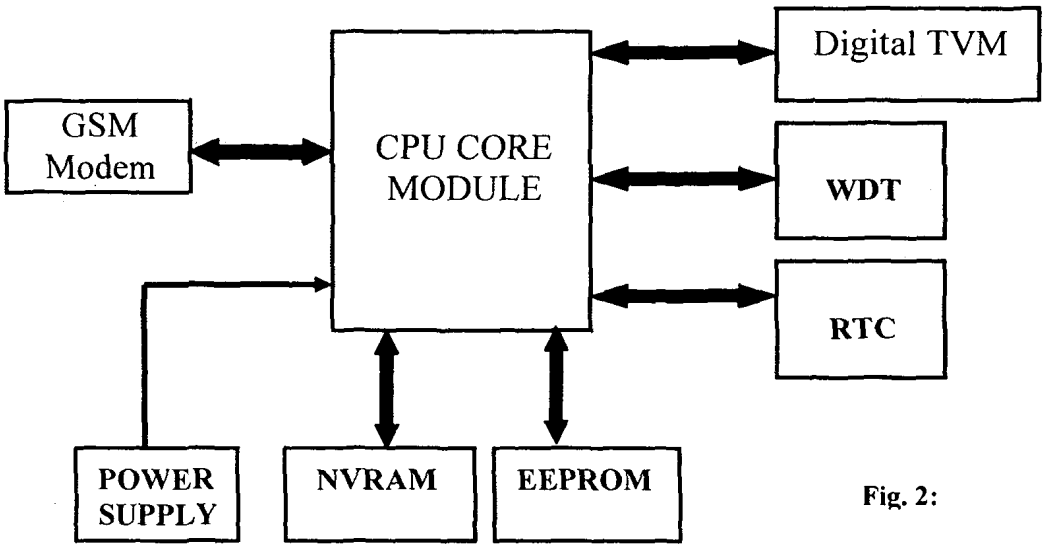


Fig. 2:

Publication data including kind & date

IN1282/CHE/2007	A	2008-12-26	IN2007CH01282
WO2009013762	A1	2009-01-29	WO200913762
EP2171401	A1	2010-04-07	EP2171401

Abstract

(EP2171401)

Intelligent automatic meter reading system for collecting and managing data from metering devices which comprises of two main modules i.e., CPU and GSM modern module, CPU module being powered with an ARM7 core controller (LPC2214), the microcontroller has two internal UARTs (compatible with 16C550) that are utilized for connecting a serial GSM modem and an Electronic TVM, the firmware is built such a way, that the controller reads the meter instantaneous parameters at regular intervals and analyzes the data for any abnormal conditions, in case an abnormality is found, the controller further checks for some more time for the existence of the same abnormality and after the fixed time is lapsed, it sends an SMS message to the base station about the abnormality with the snapshot of the instantaneous parameters, the unit having a large memory space to store additional data such as billing parameters and load survey, the data is being sent to the base station from time to time in the form of SMS and different reports are generated and presented at the base station for a proper analysis of load flow and power consumption.

Inventors

REDDY G BALA

Latest standardized assignees - inventors removed

ICSA INDIA

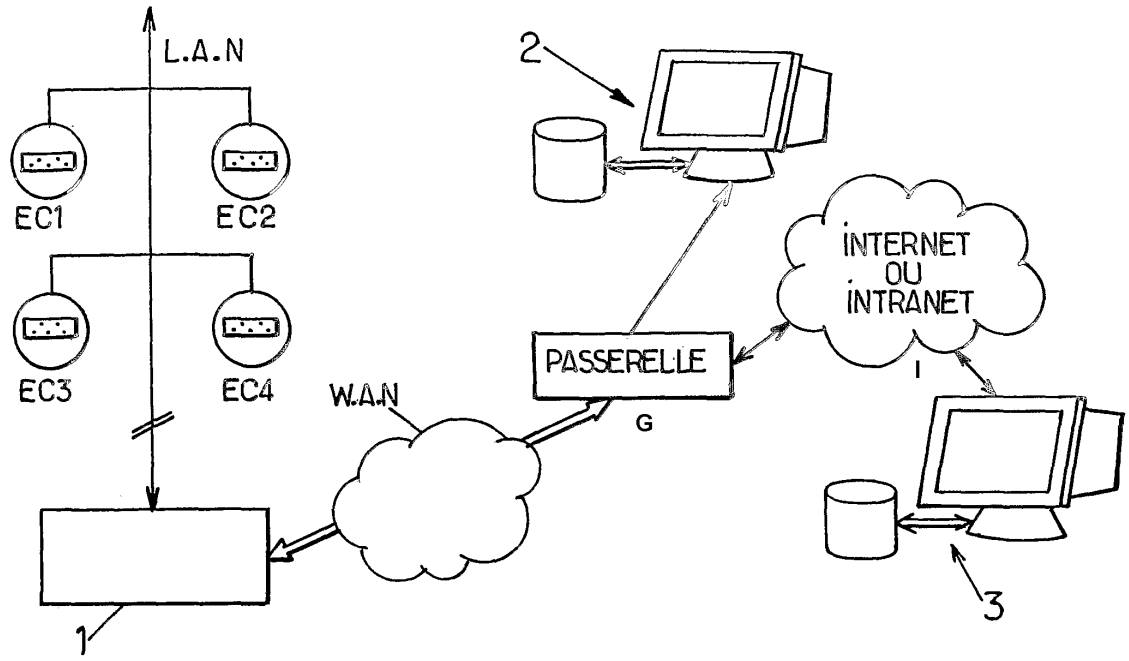
Family 5/5 - FAMPAT - ©Questel

Title

(EP1616296)

System for the real-time management of a plurality of electronic meters used to measure energy and/or effluent consumed

Images



G GATEWAY
I INTERNET OR INTRANET

Publication data including kind & date

WO2004095327	A2	2004-11-04	WO200495327
AU2003246786	A1	2004-11-19	AU2003246786
AU2003246786	A8	2004-11-19	AU2003246786
WO2004095327	A3	2005-11-03	WO200495327
EP1616296	A2	2006-01-18	EP1616296

Abstract

(EP1616296)

The invention relates to a system for the real-time management of a group of meters used to measure energy and/or effluent consumed, said system supplying metering data on a local network.The inventive system comprises: a module (1) ensuring temporary and/or essentially permanent connection to, and interfacing with, the local network, enabling said metering data to be transmitted on a wide area network; a database (2) which is connected to the wide area network and enables the metering data to be archived; and a module (3) for managing the metering data by subscriber or group of subscribers, enabling consumption behaviour profiles to be established for each subscriber and/or group of subscribers.The invention can be applied to the management of electrical energy and all types of effluent.

Inventors

ALBOUY JEAN-MICHEL

Latest standardized assignees - inventors removed

EDF - ELECTRICITE DE FRANCE