

# Petition Exhibit 1004

U.S. Patent No. 7,142,949 to Brewster *et al.* issued  
on November 28, 2006



US007142949B2

(12) **United States Patent**  
**Brewster et al.**

(10) **Patent No.:** **US 7,142,949 B2**  
(45) **Date of Patent:** **Nov. 28, 2006**

(54) **AGGREGATION OF DISTRIBUTED GENERATION RESOURCES**

6,785,592 B1 \* 8/2004 Smith et al. .... 700/291  
6,853,930 B1 \* 2/2005 Hayashi et al. .... 700/287  
6,915,185 B1 \* 7/2005 Yamamoto et al. .... 700/286

(75) Inventors: **David B. Brewster**, Boston, MA (US);  
**Timothy G. Healy**, Boston, MA (US)

**FOREIGN PATENT DOCUMENTS**

(73) Assignee: **EnerNOC, Inc.**, Boston, MA (US)

EP 1263108 A1 12/2002  
WO WO01/06612 A1 1/2001  
WO WO01/61820 A1 8/2001  
WO WO01/71881 A2 9/2001  
WO WO01/98851 A1 12/2001  
WO WO02/15365 A2 2/2002  
WO WO03/056681 A1 7/2003

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 401 days.

(21) Appl. No.: **10/314,920**

**OTHER PUBLICATIONS**

(22) Filed: **Dec. 9, 2002**

Sonderegger, Robert C., "Distributed Generation Architecture and Control", *E-Vision 2000 Conference, 'Online 2000*, pp. 292-301.

(65) **Prior Publication Data**

US 2004/0111226 A1 Jun. 10, 2004

\* cited by examiner

(51) **Int. Cl.**  
**H02J 3/38** (2006.01)

*Primary Examiner*—Leo Picard

*Assistant Examiner*—Charles Kasenge

(52) **U.S. Cl.** ..... **700/286; 700/295; 700/297**

(74) *Attorney, Agent, or Firm*—Bromberg & Sunstein LLP

(58) **Field of Classification Search** ..... **700/286, 700/291, 295, 22, 297; 705/412; 702/61**

See application file for complete search history.

(57) **ABSTRACT**

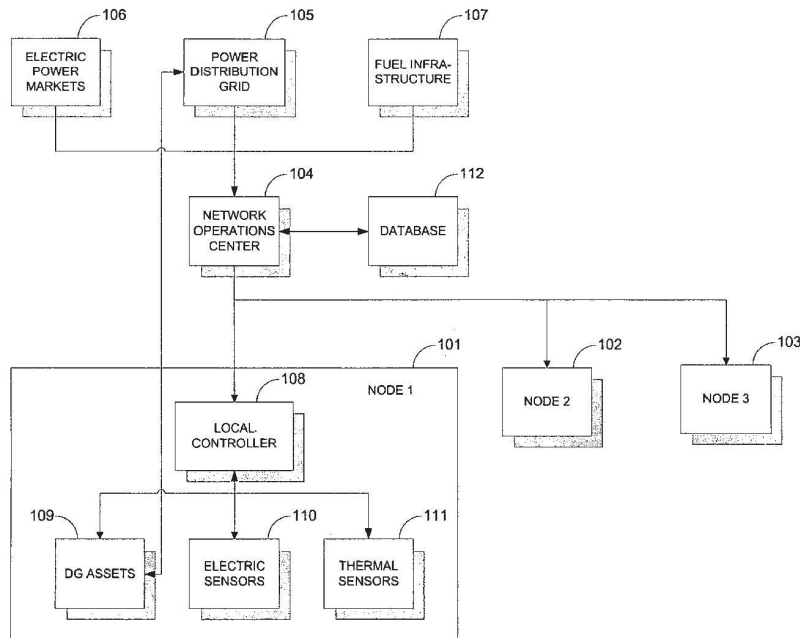
A method and system are associated with distributed generation of electric power. Power demand data of at least one electric power consumer is monitored over time. Power supply data of a regional power distribution system is also monitored over time. The power demand data and the power supply data are analyzed to coordinate control of at least one distributed generation system associated with the electric power consumer.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

6,157,874 A \* 12/2000 Cooley et al. .... 700/295  
6,269,287 B1 \* 7/2001 March ..... 700/286  
6,522,955 B1 \* 2/2003 Colborn ..... 700/286  
6,625,520 B1 \* 9/2003 Chen et al. .... 700/286  
6,633,823 B1 \* 10/2003 Bartone et al. .... 700/295  
6,691,065 B1 \* 2/2004 Hayashi et al. .... 700/22

**56 Claims, 4 Drawing Sheets**



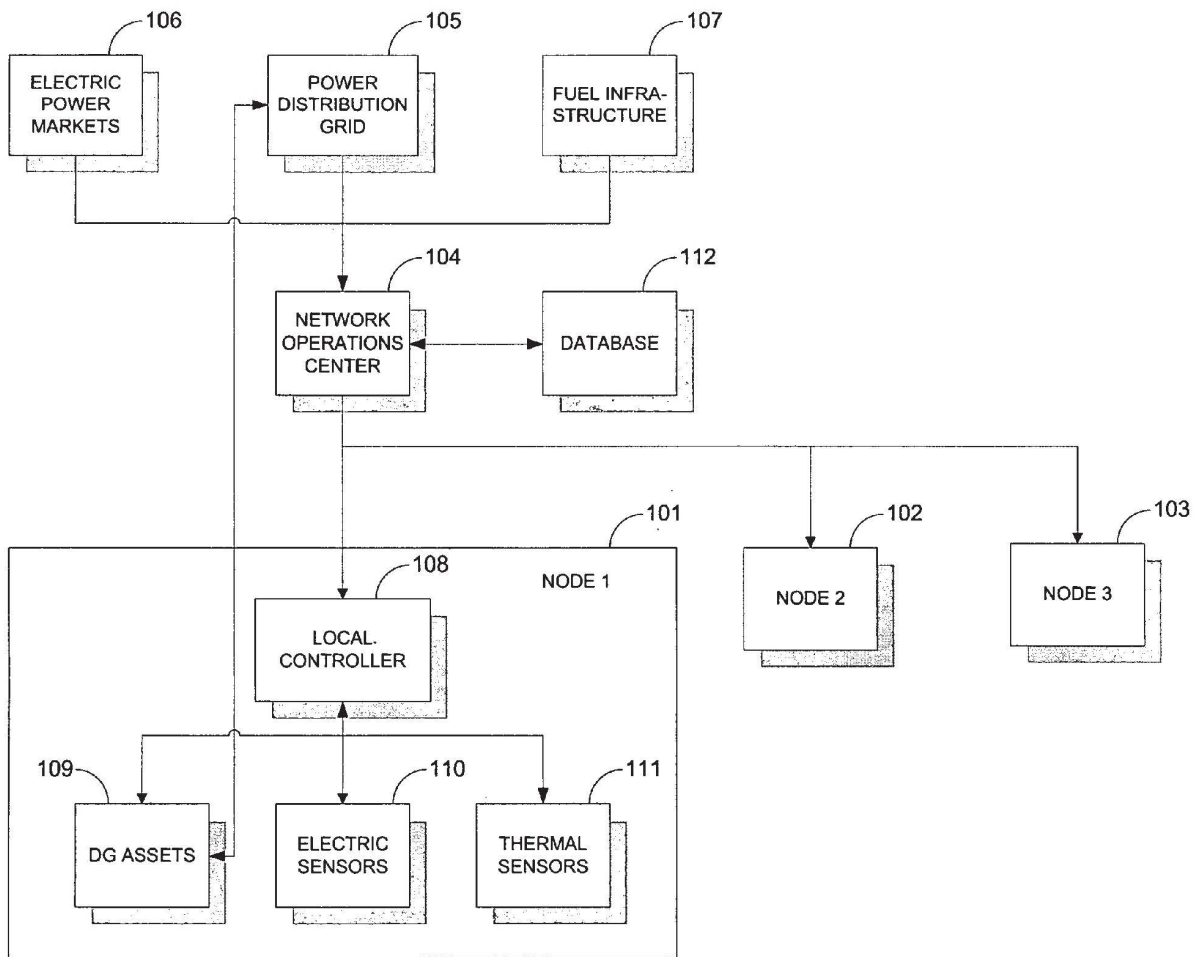


FIGURE 1

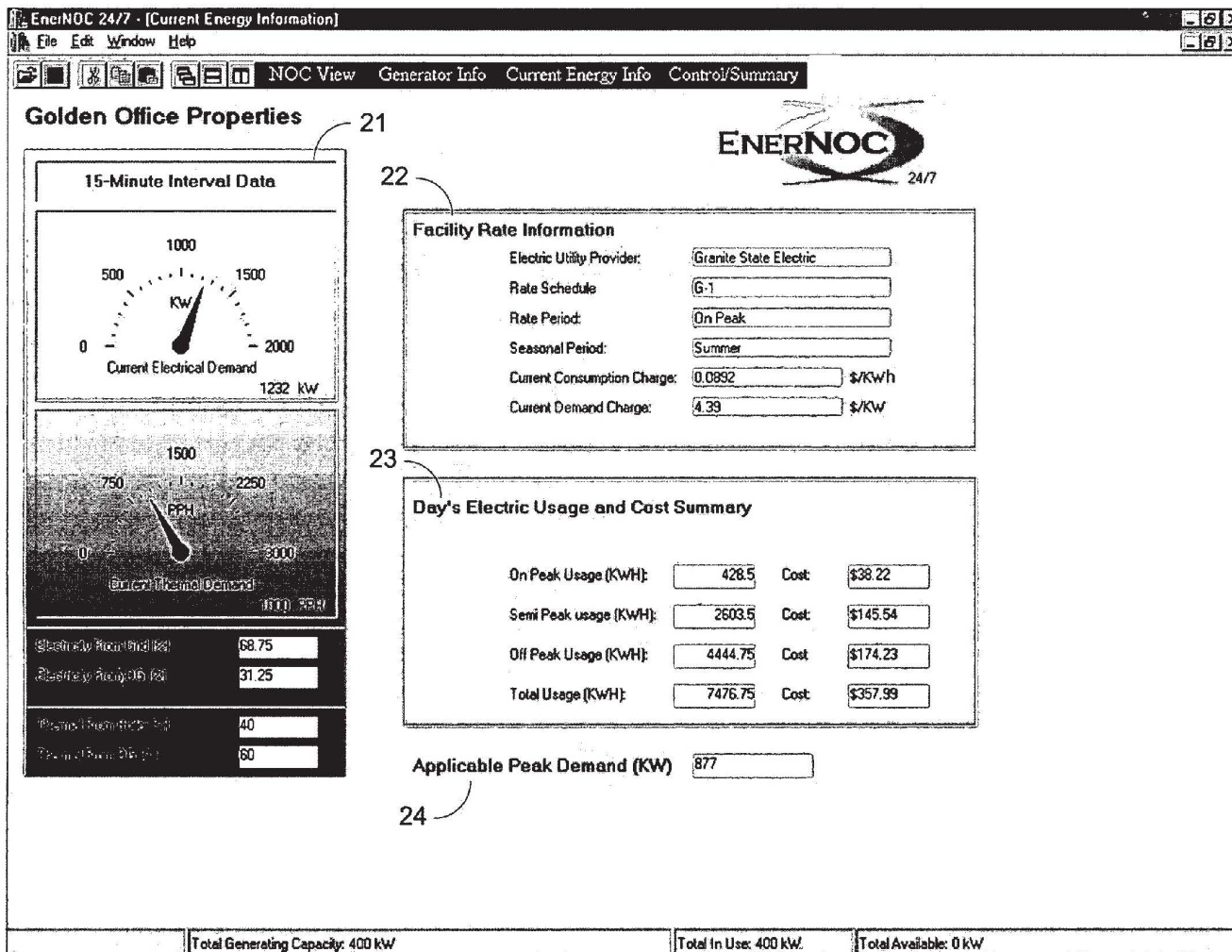


FIGURE 2

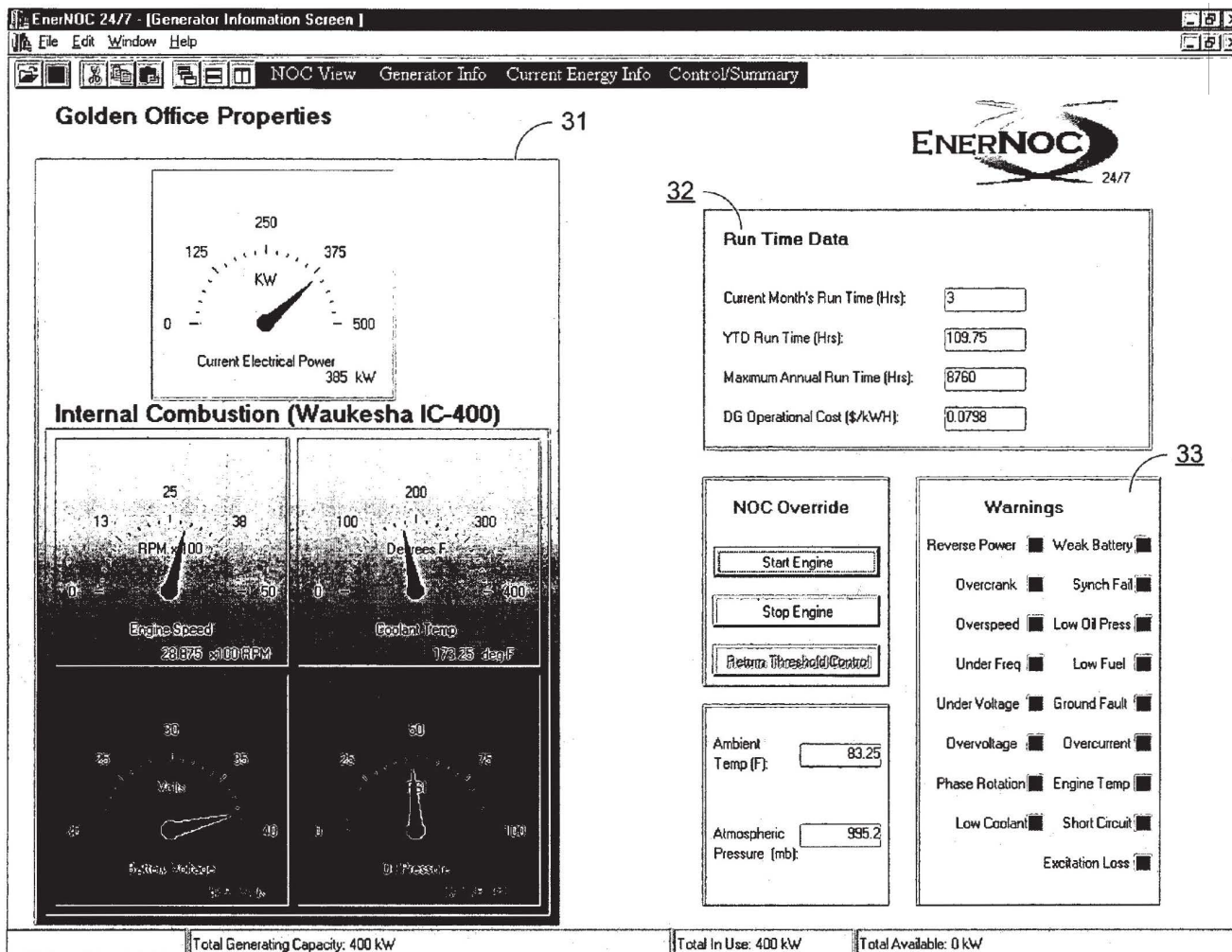


FIGURE 3

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.