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Table with 5 columns: APPLICATION NUMBER, FILING OR 371(C) DATE, FIRST NAMED APPLICANT, ATTY.DOCKET NO./TITLE, REQUEST ID. Values: 12/502,064, 07/13/2009, John Douglas Steinberg, EFACT.011A, 99798

Acknowledgement of Loss of Entitlement to Entity Status Discount

The entity status change request below filed through Private PAIR on 11/14/2019 has been accepted.

CERTIFICATIONS:

Change of Entity Status:
X Applicant changing to regular undiscounted fee status.
NOTE: Checking this box will be taken to be notification of loss of entitlement to small or micro entity status, as applicable.

This portion must be completed by the signatory or signatories making the entity status change in accordance with 37 CFR 1.4(d)(4).

Table with 2 columns: Label, Value. Rows: Signature: /John R. King/, Name: John R. King, Registration Number: 34362



APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/502,064	05/15/2012	8180492	EFACT.011A	5514

20995            7590            04/25/2012  
KNOBBE MARTENS OLSON & BEAR LLP  
2040 MAIN STREET  
FOURTEENTH FLOOR  
IRVINE, CA 92614

### ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

**Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**  
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

John Douglas Steinberg, Millbrae, CA;

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
(Multiple sheets used when necessary)		Examiner
SHEET 2 OF 4		Attorney Docket No. JSTEIN.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	6,695,218	02-24-2004	Fleckenstein	
	31	6,726,113	04-27-2004	Guo	
	32	6,731,992	05-04-2004	Ziegler	
	33	6,734,806	05-11-2004	Cratsley	
	34	6,772,052	08-03-2004	Amundsen	
	35	6,785,592	08-31-2004	Smith	
	36	6,785,630	08-31-2004	Kolk	
	37	6,789,739	09-14-2004	Howard Rosen	
	38	6,853,959	02-08-2005	Ikeda, et al.	
	39	6,868,293	03-15-2005	Schurr	
	40	6,868,319	03-15-2005	Kipersztok, et al.	
	41	6,882,712	04-19-2005	Iggulden, et al.	
	42	6,889,908	05-10-2005	Crippen, et al.	
5-10-2005	43	6,891,838	<del>10-10-2005</del>	Petite, et al.	
	44	6,991,029	01-31-2006	Orfield, et al.	
	45	7,009,493	03-07-2006	Howard	
	46	7,031,880	04-18-2006	Seem, et al.	
	47	7,039,532	05-02-2006	Hunter	
Change(s) applied to document, LAS/ 4/4/2012	48	7,089,088	08-08-2006	Terry, et al.	
	49	7,130,719	10-31-2006	Ehlers, et al.	
	50	7,130,832	10-31-2006	Bannai, et al.	
	51	7,167,079	01-23-2007	Smyth, et al.	
	52	7,187,986	03-06-2007	Johnson, et al.	
	53	7,205,892	04-17-2007	Luebke, et al.	
	54	7,215,746	05-08-2007	Iggulden, et al.	
	55	7,216,015	05-08-2007	Poth, Robert J.	
	56	7,231,424	06-11-2007	Bodin, et al.	
	57	7,232,075	06-19-2007	Rosen	
	58	2003/0040934 A1	02-27-2003	Skidmore, et al.	

Examiner Signature	Date Considered
--------------------	-----------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



UNITED STATES PATENT AND TRADEMARK OFFICE

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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
12/502,064 07/13/2009 John Douglas Steinberg EFACT.011A 5514

7590 04/19/2012
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
ROBERTSON, DAVID

ART UNIT PAPER NUMBER
2127

NOTIFICATION DATE DELIVERY MODE
04/19/2012 ELECTRONIC

NOTICE OF NON-COMPLIANT INFORMATION DISCLOSURE STATEMENT

An Information Disclosure Statement (IDS) filed 4-16-12 in the above-identified application fails to meet the requirements of 37 CFR 1.97(d) for the reason(s) specified below. Accordingly, the IDS will be placed in the file, but the information referred to therein has not been considered.

The IDS is not compliant with 37 CFR 1.97(d) because:

- The IDS lacks a statement as specified in 37 CFR 1.97(e).
The IDS lacks the fee set forth in 37 CFR 1.17(p).
The IDS was filed after the issue fee was paid. Applicant may wish to consider filing a petition to withdraw the application from issue under 37 CFR 1.313(c) to have the IDS considered. See MPEP 1308.

Handwritten signature

571-272-4200 or 1-888-786-0101
Application Assistance Unit
Office of Data Management

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450**  
or **Fax (571)-273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

20995 7590 03/20/2012  
**KNOBBE MARTENS OLSON & BEAR LLP**  
 2040 MAIN STREET  
 FOURTEENTH FLOOR  
 IRVINE, CA 92614

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/502,064	07/13/2009	John Douglas Steinberg	RFACT.011A	5514

TITLE OF INVENTION: SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$0	\$0	\$870	06/20/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
ROBERTSON, DAVID	2121	700-276000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list  
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 **Knobbe, Martens,**
- 2 **Olson & Bear, LLP**
- 3 \_\_\_\_\_

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE **EcoFactor, Inc.** (B) RESIDENCE: (CITY and STATE OR COUNTRY) **Millbrae, CA**

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are submitted:  
 Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  
 A check is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s); any deficiency, or credit any overpayment, to Deposit Account Number 11-1410 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)  
 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature *John R. King*  
 Typed or printed name **John R. King**

Date 4-16-2012  
 Registration No. 34,362

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Applicant : John Douglas Steinberg  
App. No : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC  
DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY  
MANAGEMENT SYSTEM  
Examiner : David Robertson  
Art Unit : 2121  
Conf No. : 5514

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Supplemental Information Disclosure Statement is being filed to submit the enclosed PTO/SB/08 Equivalent listing five (5) references, two of which are enclosed/attached.

Pursuant to 37 C.F.R § 1.97(g) and (h), Applicants make no representation that the information is considered to be material to patentability. Additionally, inclusion on this list is not an admission that any of the cited documents are prior art in this application. Further, Applicants make no representation regarding the completeness of this list, nor represent that better art does not exist.

If this Supplemental IDS can be considered, Appellants authorize the Office to charge the relevant fee, if any, to Deposit Account 11-1410. If the IDS cannot be considered, Appellants request that it be placed in the file in accordance with Rule 1.97(i).

Respectfully submitted,  
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 4-16-2012

By: John R. King  
John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	2121
<i>(Multiple sheets used when necessary)</i>	Examiner	Robertson, David
SHEET 1 OF 1	Attorney Docket No.	EFACT.011A

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,475,685	10-1984	Grimado, et al.	
	2	2004/0176880	09-09-2004	Obradovich, et al.	
	3	2006/0214014	09-28-2006	Bash, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document <i>Country Code-Number-Kind Code</i> Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	4	Bourhan, et al., "Cynamic model of an HVAC system for control analysis", Elsevier 2004	
	5	Written Opinion and Search Report for PCT/US2011/032537, dated 12/12/11 (our reference EFACT.012WO)	

13092139:ad  
041012

Examiner Signature	Date Considered
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language <sup>0007</sup> Translation is attached.

## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:

KING JOHN R.

KNOBBE, MARTENS, OLSON & BEAR, LLP 2040 MAIN  
STREET, 14TH FLOOR IRVINE CA 92614 USA**PCT****NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT AND  
THE WRITTEN OPINION OF THE INTERNATIONAL  
SEARCHING AUTHORITY, OR THE DECLARATION**

(PCT Rule 44.1)

Date of mailing  
(day/month/year) 12 DECEMBER 2011 (12.12.2011)

Applicant's or agent's file reference

EFACT012WO

**FOR FURTHER ACTION** See paragraphs 1 and 4 below

International application No.

**PCT/US2011/032537**International filing date  
(day/month/year)**14 APRIL 2011 (14.04.2011)**

Applicant

**ECOFACOR, INC. et al**

1.  The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

**When?** The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.**Where?** Directly to the International Bureau of WIPO, 34 chemin des Colombettes  
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70**For more detailed instructions, see PCT Applicant's Guide, International Phase, paragraphs 9.004 - 9.011.**

2.  The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3.  **With regard to any protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:**  
 the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.  
 no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

**4. Reminders**

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. Following the expiration of 30 months from the priority date, these comments will also be made available to the public.

Shortly after the expiration of **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months.

For details about the applicable time limits, Office by Office, see [www.wipo.int/pct/en/texts/time\\_limits.html](http://www.wipo.int/pct/en/texts/time_limits.html) and the PCT Applicant's Guide, National Chapters.

Name and mailing address of the ISA/KR



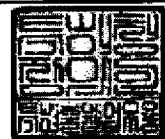
Korean Intellectual Property Office  
Government Complex-Daejeon, 189 Cheongsa-ro,  
Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

COMMISSIONER

Telephone No. 82-42-481-8755





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IRVINE INT.

**DEC 19 2011**

**KNOBBE, MARTENS,  
OLSON & BEAR, LLP**

\* Attention

Copies of the documents cited in the international search report can be searched in the following Korean Intellectual Property Office English website for three months from the date of mailing of the international search report.

<http://www.kipo.go.kr/en/> => PCT Services => PCT Services

ID : PCT international application number

PW : **4ZMSLLZF**

Inquiries related to PCT International Search Report or Written Opinion prepared by KIPO as an International Searching Authority can be answered not only by KIPO but also through IPKC (Intellectual Property Korea Center), located in Vienna, VA, which functions as a PCT Help Desk for PCT applicants.

Homepage: <http://www.ipkcenter.com>

Email: [ipkc@ipkcenter.com](mailto:ipkc@ipkcenter.com)

Phone: +1 703 388 1066

Fax: +1 703 388 1084

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference EFACT012WO	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/US2011/032537</b>	International filing date ( <i>day/month/year</i> ) <b>14 APRIL 2011 (14.04.2011)</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>26 MAY 2010 (26.05.2010)</b>
Applicant <b>ECOFACOR, INC. et al</b>		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**
  - a. With regard to the **language**, the international search was carried out on the basis of:
    - the international application in the language in which it was filed
    - a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))
  - b.  This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).
  - c.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.
2.  **Certain claims were found unsearchable** (See Box No. II)
3.  **Unity of invention is lacking** (See Box No. III)
4. With regard to the **title**,
  - the text is approved as submitted by the applicant.
  - the text has been established by this Authority to read as follows:
5. With regard to the **abstract**,
  - the text is approved as submitted by the applicant.
  - the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. With regard to the **drawings**,
  - a. the figure of the **drawings** to be published with the abstract is Figure No. 7
    - as suggested by the applicant.
    - as selected by this Authority, because the applicant failed to suggest a figure.
    - as selected by this Authority, because this figure better characterizes the invention.
  - b.  none of the figure is to be published with the abstract.

**A. CLASSIFICATION OF SUBJECT MATTER***F24F 11/02(2006.01)i, H04Q 9/04(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

F24F 11/02; G06F 17/00; G05D 23/00; F25B 9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models  
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

cKOMPASS(KIPO internal) &amp; Keywords: mobile, geographic, location, temperature

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006-0214014 A1 (CULLEN BASH et al.) 28 September 2006 See Abstract	1-22
A	US 2004-0176880 A1 (MICHAEL L. OBRADOVICH et al.) 09 September 2004 See Column 124-126	1-22

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

12 DECEMBER 2011 (12.12.2011)

Date of mailing of the international search report

12 DECEMBER 2011 (12.12.2011)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office  
Government Complex-Daejeon, 189 Cheongsu-ro,  
Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

JANG, GIJEONG

Telephone No. 82-42-481-5498



## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/032537

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2006-0214014 A1	28.09.2006	US 7640760 B2	05.01.2010
US 2004-0176880 A1	09.09.2004	AT 356734 T	15.04.2007
		AT 399110 T	15.07.2008
		AU 6245398 A	26.08.1998
		AU 6245398 A	26.08.1998
		CA 2283843 A1	13.08.1998
		CA 2283843 C	20.11.2007
		CA 2596489 A1	13.08.1998
		DE 69837318 D1	16.10.2008
		EP 0956219 A2	17.11.1999
		EP 0956219 A2	30.10.2002
		EP 0956219 A4	24.01.2001
		EP 0956219 B1	25.06.2008
		JP 2002-505631 A	19.02.2002
		JP 2002-505631 T	19.02.2002
		JP 2002-505631 T	19.02.2002
		US 06009355A A	28.12.1999
		US 06131060A A	10.10.2000
		US 2001-0020202 A1	06.09.2001
		US 2001-0021887 A1	13.09.2001
		US 2001-0029410 A1	11.10.2001
		US 2001-0038414 A1	08.11.2001
		US 2002-0065585 A1	30.05.2002
		US 2002-0082751 A1	27.06.2002
		US 2002-0082752 A1	27.06.2002
		US 2002-0156555 A1	24.10.2002
		US 2002-0198635 A1	26.12.2002
		US 2003-0004616 A1	02.01.2003
		US 2004-0162645 A1	19.08.2004
		US 2004-0162646 A1	19.08.2004
		US 2005-0165513 A1	28.07.2005
		US 2005-0203674 A1	15.09.2005
		US 2006-0200285 A1	07.09.2006
		US 2010-0175014 A1	08.07.2010
		US 6175782 B1	16.01.2001
		US 6233506 B1	15.05.2001
		US 6282464 B1	28.08.2001
		US 6330497 B1	11.12.2001
		US 6438465 B2	20.08.2002
		US 6449535 B1	10.09.2002
		US 6459961 B1	01.10.2002
		US 6542794 B2	01.04.2003
		US 6542795 B2	01.04.2003
		US 6577928 B2	10.06.2003
		US 6587758 B2	01.07.2003
		US 6587759 B2	01.07.2003
		US 6859687 B2	22.02.2005
		US 6922616 B2	26.07.2005

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2011/032537**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 7062362 B2	13.06.2006
		US 7124004 B2	17.10.2006
		US 7171291 B2	30.01.2007
		US 7499778 B2	03.03.2009
		WO 98-34812 A2	13.08.1998
		WO 98-34812A2	13.08.1998
		WO 98-34812A3	05.11.1998
		WO 98-34812A3	05.11.1998

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:  
KING JOHN R.  
  
KNOBBE, MARTENS, OLSON & BEAR, LLP 2040 MAIN  
STREET, 14TH FLOOR IRVINE CA 92614 USA

# PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) **12 DECEMBER 2011 (12.12.2011)**

Applicant's or agent's file reference  
EFACT012WO

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No. <b>PCT/US2011/032537</b>	International filing date (day/month/year) <b>14 APRIL 2011 (14.04.2011)</b>	Priority date(day/month/year) 26 MAY 2010 (26.05.2010)
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International Patent Classification (IPC) or both national classification and IPC

**F24F 11/02(2006.01)i, H04Q 9/04(2006.01)l**

Applicant

**ECOFACOR, INC. et al**

1. This opinion contains indications relating to the following items:



- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

 <p>Name and mailing address of the ISA/KR Korean Intellectual Property Office Government Complex-Daejeon, 189 Cheongsu-ro, Seo-gu, Daejeon 302- 701, Republic of Korea Facsimile No. 82-42-472-7140</p>	Date of completion of this opinion 12 DECEMBER 2011 (12.12.2011)	Authorized officer JANG, GI JEONG Telephone No.82-42-481-5498
		

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US2011/032537

Box No. 1 Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of:

- the international application in the language in which it was filed
- a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

2.  This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of:

a. a sequence listing filed or furnished

- on paper
- in electronic form

b. time of filing or furnishing

- contained in the international application as filed.
- filed together with the international application in electronic form.
- furnished subsequently to this Authority for the purposes of search.

4.  In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:



WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US2011/032537

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-22	YES
	Claims	NONE	NO
Inventive step (IS)	Claims	1-22	YES
	Claims	NONE	NO
Industrial applicability (IA)	Claims	1-22	YES
	Claims	NONE	NO

2. Citations and explanations :

Reference is made to the following documents:

D1: US 2006-0214014 A1 (CULLEN BASH et al.) 28 September 2006

D2: US 2004-0176880 A1 (MICHAEL L. OBRADOVICH et al.) 09 September 2004

**1. Novelty and Inventive step**

1.1 Claims 1 and 12

The subject matter of claims 1 and 12 differs from the prior art documents of D1-D2 in that the prior art documents do not disclose a adjusting temperature setpoint comprising a mobile location and climate control devices. And it is not obvious to a person skilled in the art by the documents, taken alone or in combination.

Therefore, the subject matter of claims 1 and 12 meets the requirements of PCT Article 33(2) and (3) with respect to novelty and inventive step.

1.2 Claims 2-11 and 13-22

Claims 2-11 and 13-22 are dependent on 1 and 12.

Therefore, the subject matter of claims 2-11 and 13-22 meets the requirements of PCT Article 33(2) and (3) with respect to novelty and inventive step automatically.

**2. Industrial Applicability**

The subject matter of claims 1-22 is industrially applicable under PCT Article 33(4).

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12502064
<b>Filing Date:</b>	13-Jul-2009
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Filer:</b>	John R. King/Amy Durrant
<b>Attorney Docket Number:</b>	EFACT.011A

Filed as Small Entity

### Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
Utility Appl issue fee	2501	1	870	870

**Extension-of-Time:** 0018

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>870</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	12553240
<b>Application Number:</b>	12502064
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5514
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Customer Number:</b>	20995
<b>Filer:</b>	John R. King/Daniela Lopez
<b>Filer Authorized By:</b>	John R. King
<b>Attorney Docket Number:</b>	EFACT.011A
<b>Receipt Date:</b>	16-APR-2012
<b>Filing Date:</b>	13-JUL-2009
<b>Time Stamp:</b>	18:42:32
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$870
RAM confirmation Number	5868
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section ~~0020~~ (Patent application and reexamination processing fees)

<b>File Listing:</b>					
<b>Document Number</b>	<b>Document Description</b>	<b>File Name</b>	<b>File Size(Bytes)/ Message Digest</b>	<b>Multi Part /.zip</b>	<b>Pages (if appl.)</b>
1	Issue Fee Payment (PTO-85B)	EFACT-011A_issuefee.pdf	105040 ae89f096589b32b75e25e70538d0aebfd4154a8	no	1
<b>Warnings:</b>					
<b>Information:</b>					
2		EFACT-011A_ids.pdf	90900 8a9b4a1fa8ce680285a9c6bdb3aef9c4c1234015	yes	2
	<b>Multipart Description/PDF files in .zip description</b>				
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Transmittal Letter		1	1	
	Information Disclosure Statement (IDS) Form (SB08)		2	2	
<b>Warnings:</b>					
<b>Information:</b>					
3	Non Patent Literature	EFACT-011A_REF4.pdf	677648 8b5907a19d056c34acc79374dec4b726b6981e39	no	17
<b>Warnings:</b>					
<b>Information:</b>					
4	Non Patent Literature	EFACT-011A_REF5.pdf	342266 ad380e35af8a8ee5d7371d495fd1525d51ed2c09	no	10
<b>Warnings:</b>					
<b>Information:</b>					
5	Fee Worksheet (SB06)	fee-info.pdf	30696 464b608af61f5686f810c49b7b3827f018757f2a	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			1246550		

**This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.**

**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064	
	Filing Date	07-13-2009	
	First Named Inventor	Steinberg, John Douglas	
	Art Unit	2121	
<i>(Multiple sheets used when necessary)</i>		Examiner	Robertson, David
SHEET 1 OF 1		Attorney Docket No.	EFACT.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	7,356,384	04-2008	Gull, et al.	
	2	7,784,704	08-31-2010	Harter	
	3	7,848,900	12-07-2010	Steinberg, John Douglas et al.	
	4	7,894,943	02-22-2011	Sloup et al.	
	5	2009/0240381	09-2009	Lane	
	6	2009/0281667	11-2009	Masui, et al.	
	7	2010/0019052	01-2010	Yip	
	8	2010/0070086	03-2010	Harrod, et al.	
	9	2010/0070089	03-2010	Harrod, et al.	
	10	2010/0070093	03-2010	Harrod, et al.	
	11	2010/0211224	08-2010	Keeling, et al.	
	12	2010/0235004	09-2010	Thind	
	13	2010/0289643	11-2010	Trundle, et al.	
	14	2011/0031323	02-2011	Nold, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document <i>Country Code-Number-Kind Code</i> Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>


11686335:ad  
08022011

Examiner Signature	/Dave Robertson/ (08/10/2011)	Date Considered	08/10/2011
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**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH /DCR/

<b>Issue Classification</b> 	<b>Application/Control No.</b> 12502064	<b>Applicant(s)/Patent Under Reexamination</b> STEINBERG, JOHN DOUGLAS
	<b>Examiner</b> DAVE ROBERTSON	<b>Art Unit</b> 2121

ORIGINAL				INTERNATIONAL CLASSIFICATION											
CLASS		SUBCLASS		CLAIMED				NON-CLAIMED							
700		276		G	0	5	B	15 / 00 (2006.01.01)							
CROSS REFERENCE(S)				G	0	5	D	23 / 00 (2006.01.01)							
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)														
700	299														
236	46R														

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant																<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original						
1	1	15	17																		
2	2	16	18																		
3	3	-	19																		
4	4	17	20																		
5	5	18	21																		
6	6	-	22																		
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9	10																				
-	11																				
10	12																				
11	13																				
12	14																				
13	15																				
14	16																				

NONE		<b>Total Claims Allowed:</b>	
		18	
(Assistant Examiner)		(Date)	
/DAVE ROBERTSON/ Primary Examiner.Art Unit 2121		03/10/2012	
(Primary Examiner)		(Date)	
		O.G. Print Claim(s)	O.G. Print Figure
		1	7





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NOTICE OF ALLOWANCE AND FEE(S) DUE

20995 7590 03/20/2012
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
ROBERTSON, DAVID
ART UNIT PAPER NUMBER

2121
DATE MAILED: 03/20/2012

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

12/502,064 07/13/2009 John Douglas Steinberg EFAC011A 5514
TITLE OF INVENTION: SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:
A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

**PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 or Fax (571)-273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

20995                      7590                      03/20/2012  
**KNOBBE MARTENS OLSON & BEAR LLP**  
 2040 MAIN STREET  
 FOURTEENTH FLOOR  
 IRVINE, CA 92614

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/502,064	07/13/2009	John Douglas Steinberg	EFACT.011A	5514

TITLE OF INVENTION: SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$0	\$0	\$870	06/20/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
ROBERTSON, DAVID	2121	700-276000

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. <b>Use of a Customer Number is required.</b></p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____</p> <p>(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____</p> <p>3 _____</p>
---	---

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE \_\_\_\_\_ (B) RESIDENCE: (CITY and STATE OR COUNTRY) \_\_\_\_\_

Please check the appropriate assignee category or categories (will not be printed on the patent) :  Individual  Corporation or other private group entity  Government

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
---	--

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.       b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
12/502,064 07/13/2009 John Douglas Steinberg EFACT.011A 5514

20995 7590 03/20/2012
KNOBBE MARTENS OLSON & BEAR LLP
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FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER

ROBERTSON, DAVID

ART UNIT PAPER NUMBER

2121

DATE MAILED: 03/20/2012

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Privacy Act Statement

**The Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

**Notice of Allowability**

<b>Application No.</b> 12/502,064	<b>Applicant(s)</b> STEINBERG, JOHN DOUGLAS	
<b>Examiner</b> Dave Robertson	<b>Art Unit</b> 2121	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1.  This communication is responsive to 3/1/2012.
- 2.  An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.
- 3.  The allowed claim(s) is/are 1-10 and 12-21.
- 4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    - 1.  Certified copies of the priority documents have been received.
    - 2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_ .
    - 3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

- 5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  - 6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_.
    - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**


- 1.  Notice of References Cited (PTO-892)
- 2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3.  Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_
- 4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5.  Notice of Informal Patent Application
- 6.  Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_ .
- 7.  Examiner's Amendment/Comment
- 8.  Examiner's Statement of Reasons for Allowance
- 9.  Other \_\_\_\_.

/Dave Robertson/  
Primary Examiner, Art Unit 2121

**EAST Search History****EAST Search History (Interference)**

<b>Ref #</b>	<b>Hits</b>	<b>Search Query</b>	<b>DBs</b>	<b>Default Operator</b>	<b>Plurals</b>	<b>Time Stamp</b>
L182	196	700/276.cor.	USPAT; UPAD	ADJ	ON	2012/03/10 23:47
L183	410	236/46R.cor.	USPAT; UPAD	ADJ	ON	2012/03/10 23:47

**3/ 10/ 2012 11:48:06 PM****C:\Users\drobertson2\Documents\EAST\Workspaces\12502064 Steinberg energy use monitor tv viewing habits.wsp**

<b>Search Notes</b>  	<b>Application/Control No.</b>  12502064	<b>Applicant(s)/Patent Under Reexamination</b>  STEINBERG, JOHN DOUGLAS
	<b>Examiner</b>  Dave Robertson	<b>Art Unit</b>  2121

<b>SEARCHED</b>			
<b>Class</b>	<b>Subclass</b>	<b>Date</b>	<b>Examiner</b>
700	276	9/28/2010	dcr
62	176.6	2/26/2011	dcr
236	46R	2/26/2011	dcr
700	276, 278, 295, 296	2/26/2011	dcr
	(updated)	8/22/2011	dcr
	(updated)	3/10/2012	dcr

<b>SEARCH NOTES</b>		
<b>Search Notes</b>	<b>Date</b>	<b>Examiner</b>
EAST (USPAT, PgPUB, Derwent - see complete search history in application file)	9/29/2010	dcr
"236"/\$ "700"/\$ "340"/\$ (text-limited and cross-classification search - see search history)	9/28/2010	dcr
EAST (updated)	2/26/2011	dcr
EAST (text limited, targeted limitation search - see EAST search note)	8/22/2011	dcr
STIC (EIC 2100) search (see search strategy note in application file)	8/19/2011	dcr
EAST (updated, targeted limitation search, see search note)	8/29/2011	dcr
EAST (updated)	3/10/2012	dcr

<b>INTERFERENCE SEARCH</b>			
<b>Class</b>	<b>Subclass</b>	<b>Date</b>	<b>Examiner</b>
700	276	3/10/2012	dcr

	/DAVE ROBERTSON/ Primary Examiner.Art Unit 2121
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## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L49	1	"12502064".rlan. or ("12".src. and "502064".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2012/03/10 23:39
L50	1	"61134714".rlan. or ("61".src. and "134714".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2012/03/10 23:39
L51	70	((JOHN) near2 (STEINBERG)).INV.	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39
L52	58	("20090099699"   "20090125151"   "4403644"   "4674027"   "5572438"   "5717609"   "6145751"   "6178362"   "6351693"   "6400996"   "6437692"   "6480803"   "6536675"   "6542076"   "6549130"   "6574537"   "6594825"   "6595430"   "6598056"   "6619555"   "6622097"   "6622925"   "6622926"   "6628997"   "6633823"   "6643567"   "6671586").PN.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2012/03/10 23:39
L53	527	700/276.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L54	38	("236"/\$ "700"/\$ "340"/\$).ccls.	US-PGPUB; USPAT; DERWENT	AND	ON	2012/03/10 23:39
L55	227122	("236"/\$ "700"/\$ "340"/\$).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L56	16	(unoccup\$3 or occup\$3 or occupancy) and L54	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L57	157769	(unoccup\$3 or occup\$3 or occupancy or presence) with (who! or person or user! or identi\$2)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L58	7	L57 and L56	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L59	8	L57 and L54	US-PGPUB;	OR	ON	2012/03/10 23:39



			USPAT; DERWENT			
L60	6	L57 and L52	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L61	14	L58 or L59 or L60	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L62	10277	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity) with (identify or recognize)))	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L63	919	L62 and L55	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L64	1	L62 and L54	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L65	1	L62 and L52	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L66	33	("6145751").URPN.	USPAT	ADJ	ON	2012/03/10 23:39
L67	0	("H002176").URPN.	USPAT	ADJ	ON	2012/03/10 23:39
L68	27	("20090099699"   "20090125151"   "4403644"   "4674027"   "5572438"   "5717609"   "6145751"   "6178362"   "6351693"   "6400996"   "6437692"   "6480803"   "6536675"   "6542076"   "6549130"   "6574537"   "6594825"   "6595430"   "6598056"   "6619555"   "6622097"   "6622925"   "6622926"   "6628997"   "6633823"   "6643567"   "6671586").PN.	US- PGPUB; USPAT; USOCR	ADJ	ON	2012/03/10 23:39
L69	1141	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity) with (identify or recognize))).ti,ab,clm.	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L70	107	L55 and L69	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L71	5508	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity or individual) with (identif\$5 or recogni\$7))).ti,ab,clm.	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L72	396	L71 and L55	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L73	2816	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity or individual) near3	US- PGPUB; USPAT;	OR	ON	2012/03/10 23:39

		(identif\$5 or recogni\$7)).ti,ab,clm.	DERWENT			
L74	213	L73 and L55	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L75	3	(television near5 (in\$1-use or usage or turned adj on)) and L71	US-PGPUB; USPAT; DERWENT	AND	ON	2012/03/10 23:39
L76	11	((video or television or TV! or DVD!) near5 (in\$1-use or usage or turned adj on)) and L71	US-PGPUB; USPAT; DERWENT	AND	ON	2012/03/10 23:39
L77	1	(10/672712).APP.	USPAT; USOCR	ADJ	ON	2012/03/10 23:39
L78	55	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$).did. or (WO-2009069998-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L79	0	(11/183602).APP.	USPAT; USOCR	ADJ	ON	2012/03/10 23:39
L80	1470	((television or TV! or video) with (channel or media or program\$4 or content)) same ((unoccup\$3 or occupied or occupancy or presence)) same (((who! or person or user or individual or viewer or occupant or identity) with (identi\$6 or recogni\$7 or determin\$ or detect\$)))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L81	811	((television or TV! or video) with (channel or media or program\$4 or content)) same ((unoccup\$3 or occupied or occupancy or presence))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39

		with (detect\$ or determin\$ or recogniz\$) same ((who! or person or user or individual or viewer or occupant or identity) with (identi\$6 or recogni\$7 or determin\$ or detect\$)))				
L82	129	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control\$4 or setting or set\$1point) and L81	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L83	2	"5977964".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L84	2	((television or TV! or video) (channel or media or program\$4 or content)) ((unoccup\$3 or occupied or occupancy or presence) (detect\$ or determin\$ or recogniz\$)) ((who! or person or user or individual or viewer or occupant or identity) (identi\$6 or recogni\$7 or determin\$ or detect\$))) and L83	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L85	1	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control\$4 or setting or set\$1point) and L84	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L86	294	("5977964").URPN.	USPAT	ADJ	ON	2012/03/10 23:39
L87	294	((television or TV! or video) (channel or media or program\$4 or content)) ((unoccup\$3 or occupied or occupancy or presence) (detect\$ or determin\$ or recogniz\$)) ((who! or person or user or individual or viewer or occupant or identity) (identi\$6 or recogni\$7 or determin\$ or detect\$))) and L86	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L88	23	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control\$4 or setting or set\$1point) and L87	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L89	17	(temperature or thermostat or HVAC! or heating or cooling) with (control\$4 or setting or set\$1point) and L87	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L90	2	(US-20090052859-\$).did. or (US-5977964-\$).did.	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39
L91	1	(temperature or thermostat or HVAC! or heating or cooling) with (control\$4 or setting or set\$1point) and L90	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L92	2	"6993417".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L93	22	("6993417").URPN.	USPAT	ADJ	ON	2012/03/10 23:39
L94	80	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-	US-PGPUB; USPAT;	ADJ	ON	2012/03/10 23:39

		20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$).did. or (WO-2009069998-\$).did.	DERWENT			
L95	14	(US-20080281472-\$ or US-20100156608-\$ or US-20100162285-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20070146126-\$).did. or (US-5977964-\$ or US-5682949-\$ or US-H002176-\$ or US-7061393-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6912429-\$).did.	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39
L96	0	L95 and (non\$1occup\$)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L97	2	L94 and (non\$1occup\$)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L100	53	(US-20090125151-\$ or US-20090099699-\$ or US-20100162285-\$ or US-20100156608-\$ or US-20090052859-\$ or US-20080281472-\$	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39

		or US-20070146126-\$ or US-20060045105-\$).did. or (US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6549130-\$ or US-6542076-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6351693-\$ or US-6178362-\$ or US-6145751-\$ or US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7644869-\$).did. or (US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$ or US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7483964-\$ or US-7260823-\$ or US-7242988-\$ or US-H002176-\$ or US-7061393-\$ or US-6912429-\$ or US-5977964-\$ or US-5682949-\$).did.				
L101	16	(unoccup\$3 or non\$1occup\$4) and L100	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L102	543	(unoccup\$3 or non\$1occup\$4) with (notice or prompt or message or confirm\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L103	0	(unoccup\$3 or non\$1occup\$4) with (notice or prompt or message or confirm\$5) and L100	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L104	0	(unoccup\$3 or non\$1occup\$4) with (notic\$2 or prompt\$3 or messag\$3 or confirm\$5) and L100	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L105	0	(unoccup\$3 or non\$1occup\$4) same (notic\$2 or prompt\$3 or messag\$3 or confirm\$5) and L100	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L106	12	(unoccup\$3 or non\$1occup\$4) and (notic\$2 or prompt\$3 or messag\$3 or confirm\$5) and L100	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L107	75	("5682949").URPN.	USPAT	ADJ	ON	2012/03/10 23:39
L108	14	(unoccup\$3 or non\$1occup\$4) and (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5) and L100	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L109	2	L108 not L106	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L110	47	("6912429").URPN.	USPAT	ADJ	ON	2012/03/10 23:39

L111	14	(unoccup\$3 or non\$1occup\$4) and (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3) and L100	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L112	108	("6549130").URPN.	USPAT	ADJ	ON	2012/03/10 23:39
L113	87	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$).did. or (WO-2009069998-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L114	22	(unoccup\$3 or non\$1occup\$4) and (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3) and L113	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L115	10	(unoccup\$3 or non\$1occup\$4) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3) and L113	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39

L116	1	"12502064".rlan. or ("12".src. and "502064".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2012/03/10 23:39
L117	2	"12177822".rlan. or ("12".src. and "177822".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2012/03/10 23:39
L118	8	("20080283621"   "5261481"   "5476221"   "6196468").PN.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2012/03/10 23:39
L119	2	("5261481").URPN.	USPAT	ADJ	ON	2012/03/10 23:39
L120	143	62/176.6.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L121	10	(unoccup\$3 or non\$1occup\$4) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7) and L113	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L122	744	(unoccup\$3 or non\$1occup\$4) with (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L123	5382	(unoccup\$3 or non\$1occup\$4 or occupied) with (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L124	90	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39

		6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$).did. or (WO-2009069998-\$ or US-6196468-\$).did.				
L125	53	(US-20090125151-\$ or US-20090099699-\$ or US-20100162285-\$ or US-20100156608-\$ or US-20090052859-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20060045105-\$).did. or (US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6549130-\$ or US-6542076-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6351693-\$ or US-6178362-\$ or US-6145751-\$ or US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7644869-\$).did. or (US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$ or US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7483964-\$ or US-7260823-\$ or US-7242988-\$ or US-H002176-\$ or US-7061393-\$ or US-6912429-\$ or US-5977964-\$ or US-5682949-\$).did.	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39
L126	11	(L124 or L125) and L123	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L127	17	(US-20090052859-\$ or US-20080281472-\$ or US-20100156608-\$ or US-20100162285-\$ or US-20060045105-\$ or US-20080283621-\$).did. or (US-5977964-\$ or US-5261481-\$ or US-6594825-\$ or US-5682949-\$ or US-H002176-\$ or US-	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39



		7354005-\$ or US-7061393-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6351693-\$.did.				
L128	12942	(unoccup\$3 or non\$1occup\$4 or occupied) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L129	5	L128 and L127	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L130	1	(12/041472).APP.	USPAT; USOCR	ADJ	ON	2012/03/10 23:39
L131	230702	(unoccup\$3 or non\$1occup\$4 or occupied or presence) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L132	6	L131 and L127	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L133	1	(12/041472).APP.	USPAT; USOCR	ADJ	ON	2012/03/10 23:39
L134	91	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20080283621-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$.did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39

		6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$).did. or (WO-2009069998-\$ or US-6196468-\$).did.				
L135	230702	(unoccup\$3 or non\$1occup\$4 or occupied or presence) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L136	32	L134 and L135	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L137	143	62/176.6.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L138	527	700/276.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L139	452	236/46R.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L140	1266	700/276,278,295,296.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L141	3	(US-20090052859-\$ or US-20080281472-\$).did. or (US-5977964-\$).did.	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39
L142	230702	(unoccup\$3 or non\$1occup\$4 or occupied or presence) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L143	1	L142 and L141	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L144	2	"7055759".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L145	230702	(unoccup\$3 or non\$1occup\$4 or occupied or presence) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39

L146	0	L144 and L145	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L147	1	(unoccup\$3 or non\$1occup\$4 or occupied or presence) and L144	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L148	15	(US-20080281472-\$ or US-20100156608-\$ or US-20100162285-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20070146126-\$).did. or (US-5977964-\$ or US-5682949-\$ or US-H002176-\$ or US-7061393-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6912429-\$ or US-7055759-\$).did.	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39
L149	8	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity or individual) with (identif\$5 or recogni\$7))) and L148	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L150	7	(prompt\$3 or ask\$3) and L148	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L151	11840	((prompt\$3 or ask\$3) same L145)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L152	0	((prompt\$3 or ask\$3) same L145) and L148	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L153	92	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20080283621-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39

		6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$ or US-7055759-\$).did. or (WO-2009069998-\$ or US-6196468-\$).did.				
L154	2	((prompt\$3 or ask\$3) same L145) and L153	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L155	0	"are you there"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L156	1	"11892171".rlan. or ("11".src. and "892171".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2012/03/10 23:39
L157	42	((HAL) near2 (GREENBERGER)).INV.	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39
L158	14	((SANTIAGO) near2 (CARVAJAL)).INV.	US-PGPUB; USPAT	ADJ	ON	2012/03/10 23:39
L159	14	("20040051813"   "20080052710"   "6259486"   "6518561"   "6677589"   "7312450").PN.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2012/03/10 23:39
L160	11	"2633200"	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L161	92	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39

		or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20080283621-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$ or US-7055759-\$).did. or (WO-2009069998-\$ or US-6196468-\$).did.				
L162	2	L161 and rosen.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L163	1	L161 and rosen.in. and override	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L164	0	"11926950"	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L165	22	("20050040250"   "20060071087"   "20060186214"   "20070045431"   "5395042"   "5396048"   "5476221"   "5538181"   "6843068"   "6845918"   "6991029").PN.	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L166	6	L165 and override	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L167	1	(11/335182).APP.	USPAT; USOCR	OR	ON	2012/03/10 23:39

L168	0	(11/394581).APP.	USPAT; USOCR	OR	ON	2012/03/10 23:39
L169	104	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20080283621-\$ or US-20060186214-\$ or US-20070045431-\$).did. or (US-20060071087-\$ or US-20050040250-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$ or US-7055759-\$ or US-6845918-\$ or US-5395042-\$ or US-7802618-\$).did. or (WO-2009069998-\$ or US-6196468-\$ or US-20070045431-\$ or US-20060186214-\$ or US-6843068-\$ or US-20040245351-\$ or WO-9520782-\$).did.	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L170	3046	"I1" and over\$1ride	US- PGPUB; USPAT;	OR	ON	2012/03/10 23:39


			DERWENT			
L171	33	L169 and (over\$1ride)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L172	16	L169 and (over\$1ride same \$2occup\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L173	10	L169 and (over\$1ride same \$2occup\$5) same (user or operator)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L174	6	L169 and (over\$1ride same \$2occup\$5) same (user or operator) same (input or prompt\$4 or ask\$3)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L175	143	("5544036").URPN.	USPAT	OR	ON	2012/03/10 23:39
L176	3	L175 and (over\$1ride same \$2occup\$5) same (user or operator)	US-PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39
L177	15	(US-20080281472-\$ or US-20100156608-\$ or US-20100162285-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20070146126-\$).did. or (US-5977964-\$ or US-5682949-\$ or US-H002176-\$ or US-7061393-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6912429-\$ or US-7055759-\$).did.	US-PGPUB; USPAT	OR	ON	2012/03/10 23:39
L178	53	(US-20090125151-\$ or US-20090099699-\$ or US-20100162285-\$ or US-20100156608-\$ or US-20090052859-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20060045105-\$).did. or (US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6549130-\$ or US-6542076-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6351693-\$ or US-6178362-\$ or US-6145751-\$ or US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7644869-\$).did. or (US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$ or US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7483964-\$ or US-7260823-\$ or US-7242988-\$ or US-H002176-\$ or US-7061393-\$ or US-6912429-\$ or US-5977964-\$ or US-5682949-\$).did.	US-PGPUB; USPAT	OR	ON	2012/03/10 23:39
L179	106	(US-20090125151-\$ or US-	US-	OR	ON	2012/03/10

		20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US- 20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US- 20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US- 20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US- 20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US- 20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US- 20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US- 20060045105-\$ or US-20080283621-\$ or US-20060186214-\$ or US- 20070045431-\$).did. or (US- 20060071087-\$ or US-20050040250- \$).did. or (US-6912429-\$ or US- 6851621-\$ or US-5682949-\$ or US- 6145751-\$ or US-H002176-\$ or US- 6549130-\$ or US-6542076-\$ or US- 6351693-\$ or US-6549816-\$ or US- 6671586-\$ or US-6643567-\$ or US- 6633823-\$ or US-6628997-\$ or US- 6622926-\$ or US-6622925-\$ or US- 6622097-\$ or US-6619555-\$ or US- 6598056-\$ or US-6595430-\$ or US- 6594825-\$ or US-6574537-\$ or US- 6536675-\$ or US-6480803-\$ or US- 6437692-\$ or US-6400996-\$ or US- 6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US- 4403644-\$ or US-7354005-\$ or US- 7392042-\$ or US-7248170-\$ or US- 7027617-\$ or US-6633223-\$ or US- 7061393-\$ or US-5977964-\$ or US- 7260823-\$ or US-7242988-\$ or US- 7483964-\$ or US-6640145-\$ or US- 6418424-\$ or US-7706928-\$ or US- 7702421-\$ or US-7644869-\$ or US- 6260765-\$ or US-5818347-\$ or US- 5555927-\$ or US-5544036-\$ or US- 5462225-\$ or US-5314004-\$ or US- 5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US- 7587464-\$ or US-7590703-\$ or US- 7657636-\$ or US-7455236-\$ or US- 7421727-\$ or US-7156316-\$ or US- 5261481-\$ or US-7793510-\$ or US- 7055759-\$ or US-6845918-\$ or US- 5395042-\$ or US-7802618-\$ or US- 7565225-\$ or US-5761083-\$).did. or (WO-2009069998-\$ or US-6196468-\$ or US-20070045431-\$ or US- 20060186214-\$ or US-6843068-\$ or US-20040245351-\$ or WO-9520782- \$).did.	PGPUB; USPAT; DERWENT			23:39
L180	52	L179 not L178 not L177	US- PGPUB; USPAT; DERWENT	OR	ON	2012/03/10 23:39



**3/ 10/ 2012 11:47:14 PM**

**C:\Users\drobertson2\Documents\EAST\Workspaces\12502064 Steinberg energy use  
monitor tv viewing habits.wsp**

<b>Issue Classification</b> 	<b>Application/Control No.</b> 12502064	<b>Applicant(s)/Patent Under Reexamination</b> STEINBERG, JOHN DOUGLAS
	<b>Examiner</b> DAVE ROBERTSON	<b>Art Unit</b> 2121

ORIGINAL					INTERNATIONAL CLASSIFICATION												
CLASS		SUBCLASS			CLAIMED					NON-CLAIMED							
700		276			G	0	5	B	15 / 00 (2006.0)								
CROSS REFERENCE(S)					G	0	5	D	23 / 00 (2006.01.01)								
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																
700	299																
236	46R																

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	16	17												
2	2	17	18												
3	3	18	19												
4	4	19	20												
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NONE		<b>Total Claims Allowed:</b>	
		20	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/DAVE ROBERTSON/ Primary Examiner.Art Unit 2121	03/10/2012	1	7
(Primary Examiner)	(Date)		

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant	: John Douglas Steinberg
App. No.	: 12/502,064
Filed	: July 13, 2009
For	: SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
Examiner	: David Robertson
Art Unit	: 2121
Conf No.	: 5514

**RESPONSE TO OFFICE ACTION DATED OCTOBER 4, 2011****Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed October 4, 2011, Applicant respectfully submits the following amendments and comments.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Summary of Interview** begins on page 7 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.

### AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 9, 10, 12, 20, and 21 as indicated below. Also, please cancel Claims 11 and 22 without prejudice or disclaimer.

1. (Currently Amended) A method for varying temperature setpoints for an HVAC system comprising:

storing at least a first HVAC temperature setpoint associated with a structure that is deemed to be non-occupied and at least a second HVAC temperature setpoint associated with a said structure deemed to be occupied;

determining whether one or more networked electronic devices inside said structure are in use, wherein said networked electronic devices comprise a graphic user interface comprising a display, wherein said networked electronic devices receive input from one or more users and wherein use of said networked electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said networked electronic devices by one or more users;

in response to use of said one or more networked devices, determining whether that said HVAC system is set to said first HVAC temperature setpoint indicating that said structure is deemed to be non occupied;

determining that said one or more users has previously indicated a preference that said user's input be obtained before automatically changing said first HVAC temperature setpoint to said second HVAC temperature setpoint indicating that said structure is deemed to be occupied;

prompting said one or more users based on said determining that ~~providing electronic notice to said one or more of said users~~ user's input should be obtained, wherein said prompting sends a message to at least one of said networked electronic devices that said first HVAC system is set for a non-occupied structure and whether to change said first HVAC temperature setpoint to a said second HVAC temperature setpoint associated with occupancy of said structure; and

in response to said prompting, receiving input from said one or more users to keep said first HVAC temperature setpoint; and

keeping said first HVAC temperature setpoint based upon said input from said one or more users ~~user response to said electronic notice.~~

2. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices is a television.

3. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices is a personal computer.

4. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices is connected to the Internet.

5. (Previously Presented) The method of Claim 1 in which programming being watched or listened to using at least one of said networked electronic devices is used to determine which occupant of said structure is likely to be present, and the second HVAC temperature setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said at least one networked electronic device.

6. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices is a game console.

7. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices communicates with a remote server.

8. (Canceled)

9. (Currently Amended) The method of Claim 1 further comprising ~~in which said adjusting of said temperature setpoint is initiated by~~ with a remote computer.

10. (Currently Amended) The method of Claim 1 in which said first HVAC temperature setpoint is varied automatically based on said input from said one or more users.

11. (Canceled)

12. (Currently Amended) A system for altering the setpoint on a thermostat for space conditioning of a structure comprising:

at least one thermostat having at least a first temperature setpoint associated with a non-occupied structure, and at least a second temperature setpoint associated with the existence of occupants in said structure;

one or more electronic devices having at least a graphic user interface comprising a display wherein said electronic devices receive input from one or more users and wherein use of said electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said electronic devices by one or more users wherein activity of one or more networked electronic devices indicates whether said thermostat should be changed from said first temperature setpoint to said second temperature setpoint;

wherein said electronic devices and said thermostat are connected to a network;

an application comprising one or more computer processors in communication with said network, wherein said application determines whether said one or more electronic devices are in use and in response, whether said thermostat is set to said first temperature setpoint that indicates said structure is not occupied,

said application determining that said one or more users has previously indicated a preference that said user's input be obtained before automatically changing said first HVAC temperature setpoint to said second HVAC temperature setpoint indicating that said structure is deemed to be occupied;

said application prompting said one or more users based on said determining that said one or more of said user's input should be obtained,

wherein said application provides electronic notice to one or more of said users of said electronic devices that said thermostat is set for a non-occupied

structure and whether to keep said first temperature setpoint or change to said second temperature setpoint ; and

wherein said application in response to said prompting, receives input from said one or more users to keep said first HVAC temperature setpoint; and

wherein said ~~said~~ thermostat is kept at said first temperature setpoint based upon said input from said one or more users~~user response to said electronic notice.~~

13. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices is a television.

14. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices is a personal computer.

15. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices is connected to the Internet.

16. (Previously Presented) The system of Claim 12 in which the programming being watched or listened to using said electronic devices is used to determine which occupant of said structure is likely to be using at least one of said electronic devices, and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said at least one electronic device.

17. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices is a game console.

18. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices communicates with a remote server.

19. (Canceled)

20. (Currently Amended) The system of Claim 12 further comprising a remote computer that varies ~~in which variation of said first temperature setpoint is initiated by a remote computer.~~

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

21. (Currently Amended) The system of Claim 12 in which said first temperature setpoint is varied automatically based on said input from said one or more users.

22. (Canceled)



Application No.: 12/502,064  
Filing Date: July 13, 2009

## SUMMARY OF INTERVIEW

### Attendees, Date and Type of Interview

The interview was conducted on February 7, 2012 and attended by Examiner Robertson, John Steinberg and John R. King.

### Exhibits and/or Demonstrations

None.

### Identification of Claims Discussed

Claim 1.

### Identification of Prior Art Discussed

U.S. Publication No. 2008/0281472 to Podgorny, et al.

“Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor Networks in Buildings” to Wang, et al.

Johnson Controls - T600HCx-3 Single-Stage Thermostats Installation Instructions T600HCN-3, T600HCP-3 Part No. 24-9890-560, 2006.

Emerson Climate Technologies - Network Thermostat of E2 Building Controller Installation and Operation Manual.

U.S. Patent No. 5,977,964 to Williams, et al.

### Proposed Amendments

See the amendments made to Claim 1 as set forth above.

### Principal Arguments and Other Matters

In brief, none of the cited references, even when combined, have the following elements: monitoring usage of a networked electronic device to determine a structure deemed non-occupied is now occupied, providing electronic notice of a potential change to occupancy, and allowing a user to decline a proposed change so that the non-occupancy setting remains.

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

For example, the cited Johnson Controls and Emerson references describe the ability for a user to change a non-occupancy setting to an occupancy setting, such as when a user is returning from vacation.

These references, however, fail to teach the concept of automatically notifying the user that a non-occupied setting will be changed to an occupied setting and then allowing the user to override the change by retaining the non-occupied setting.

In other words, the amended claims allow a user to override a proposed change to occupancy so that the non-occupied setting remains.

#### Results of Interview

It was Applicant's understanding that it would be helpful to clarify how the claimed elements interact with each other. It was also Applicant's understanding that the proposed amendments would be further reviewed upon submission of this response.

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

### **REMARKS**

The October 4, 2011 Office Action was based upon pending Claims 1-7, 9-18 and 20-22. This Amendment amends Claims 1, 9, 10, 12, 20, and 21 as well as cancels Claims 11 and 22.

Thus, after entry of this Amendment, Claims 1-7, 9, 10, 12-18, 20 and 21 are pending and presented for further consideration.

### **INTERVIEW**

Applicant would like to thank Examiner Robertson for the interview extended to Applicant's counsel of record, John R. King and inventor John Steinberg. The interview helped applicant better understand the rejections raised in the Office Action.

### **ISSUES RAISED IN THE OFFICE ACTION**

In the Office Action, Claims 1, 3, 4, 7, 9-12, 14, 15, 18 and 20-22 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Publication No. 2008/0281472 to Podgorny, et al. (hereinafter "Podgorny") in view of the article "Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor Networks in Buildings" to Wang, et al. (hereinafter "Wang") and either of Johnson Controls - T600HCx-3 Single-Stage Thermostats Installation Instructions T600HCN-3, T600HCP-3 Part No. 24-9890-560, 2006 (hereinafter "Johnson Controls"), or the Emerson Climate Technologies - Network Thermostat of E2 Building Controller Installation and Operation Manual (hereinafter "Emerson").

Further, Claims 2, 5, 6, 13, 16 and 17 were rejected under 35 U.S.C. §103(a) as being unpatentable over Podgorny in view of Wang, Johnson Controls or Emerson Climate Technologies as applied to Claims 1 and 12, and further in view of U.S. Patent No. 5,977,964 to Williams, et al. (hereinafter "Williams").

In this response, Podgorny, Wang, Johnson Controls, Emerson Climate Technologies and Williams will be referred to both individually and collectively as "the cited references."

In addition, paragraph numbers referenced herein are based on the paragraph numbering set forth in the published application – U.S. Publication No. 2010/0280667 A1 (hereafter “the Published Application”).

**REJECTION OF CLAIMS 1, 3, 4, 7, 9-12, 14, 15, 18, AND 20-22 UNDER § 103(a)**

In the Office Action, Claims 1, 3, 4, 7, 9-12, 14, 15, 18 and 20-22 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Podgorny, in view of Wang, and either of Johnson Controls, or Emerson.

Claims 1 and 12

As discussed in the interview, none of the cited references, even when combined, have the following elements: 1) determining that a user has previously indicated a preference for input before changing temperature settings, 2) before automatically changing the temperature setting prompting a user for input, 3) receiving user input to keep the non-occupied setting, and 4) keeping the non-occupancy setting. Each of these differences is discussed below.

1) User Preferences

In amended Claims 1 and 12, the use of networked electronic devices is used to determine whether a structure that was previously deemed non-occupied should be treated as occupied.

In addition, in response to use of the networked electronic devices, a determination is made that the HVAC system is set to a non-occupied temperature setpoint.

Before automatically changing a temperature setpoint from non-occupied to occupied, amended Claims 1 and 12 include determining whether the user has indicated a preference for user input.

In contrast, none the cited references, either alone or in combination, teach this concept.

2) Before Automatically Changing a Temperature Setting Prompting The User For Input

Amended Claims 1 and 12 are also directed to prompting a user for input regarding a potential change from a non-occupied to an occupied setting. For example, the user is prompted based on determining that the user's input should be obtained. This prompting sends a message to the user that the HVAC system is set for a non-occupied structure and prompts whether to change the HVAC temperature setpoint to a second HVAC temperature setpoint associated with occupancy of the structure.

Again, none of the cited references, even when combined, prompt a user before automatically changing from a non-occupied to occupied setting.

3) Receiving User Input To Keep The Non-Occupied Setting

After the user has been prompted, amended Claims 1 and 12 are directed to the situation where the user then chooses not to automatically change the temperature setting from non-occupied to occupied. In other words, the user chooses to keep the HVAC temperature setting for a non-occupied structure.

As discussed in the interview, none of the cited references, even when combined, describe the concept of overriding an automatic change from non-occupied to occupied so that the non-occupied setting remains.

4) Keeping The Non-Occupancy Setting

In amended Claims 1 and 12, based on the user input, the HVAC temperature setpoint is not changed and remains at the non-occupancy setting. Thus, even though the system determines occupancy and desires to automatically change the non-occupied setting, the non-occupancy setting remains.

During the interview, it was discussed that the cited Johnson Controls and Emerson references describe the ability for a user to change a non-occupancy setting to an occupancy setting, such as when a user is returning from vacation.

These references, however, fail to teach the concept of automatically notifying the user that a non-occupied setting will be changed to an occupied setting and then allowing the user to override the change by retaining the non-occupied setting.

In other words, the amended claims allow a user to override a proposed change to occupancy so that the non-occupied setting remains.

#### Legal Standard for Obviousness Under § 103

The case, KSR International Co. v. Teleflex Inc., 127 S.Ct. 1727, 82 U.S.P.Q.2d 1385 (2007), in no way relieves the Patent Office of its obligation to consider all claim limitations when determining patentability of an invention over the prior art.

Accordingly, it remains well settled law that a finding of “obviousness requires a suggestion of all limitations in a claim.” CFMT, Inc. v. Yieldup Intern. Corp., 349 F.3d 1333, 1342 (Fed. Cir. 2003) (emphasis added) (cited in Ex Parte Wada, 2008 WL 142652, \*4 (Bd.Pat.App. & Interf., Jan. 14, 2008)).

In the aftermath of KSR, the Board of Patent Appeals and Interferences has repeatedly reversed findings of obviousness when the Examiner has failed to proffer a prima facie case of obviousness. See, e.g., Wada, 2008 WL 142652 at \*5 (“Because the Examiner has not explained why every limitation in claim 1 would have been obvious to a person of ordinary skill in the art, we agree with Appellants that the Examiner has not made out a case of prima facie obviousness.”)

#### No Prima Facie Case of Obviousness

In view of the arguments set forth herein, Appellant submits that Claims 1 and 12 are patentable over the cited references based on at least the following elements:

- 1) determining that a user has previously indicated a preference for input before changing temperature settings,
- 2) before automatically changing a temperature setting, prompting a user for input,
- 3) receiving user input to keep the non-occupied setting, and

4) keeping the non-occupancy setting.

Thus, in order to establish a prima facie case of obviousness for the pending claims, references must be presented that when combined, have each and every claim element. However, none of cited references even when combined suggests such elements. Accordingly, Applicant asserts that Claim 1 is not obvious in view of the cited references.

Applicant therefore respectfully submits that Claim 1 is patentably distinguished over the cited references and Applicant respectfully requests allowance of Claim 1.

Claims 3, 4, 7, and 9-11

Claims 3, 4, 7, and 9-11 depend from amended Claim 1 and are believed to be patentable for the same reasons articulated above with respect to amended Claim 1, and because of the additional features recited therein.

Claim 11

In this response, Claim 11 has been canceled; thus the rejection associated with Claim 11 is now moot.

Claims 14, 15, 18, 20, and 21

Claims 14, 15, 18, 20, and 21 depend from amended Claim 12 and are believed to be patentable for the same reasons articulated above with respect to amended Claim 12, and because of the additional features recited therein.

Claim 22

In this response, Claim 22 has been canceled; thus the rejection associated with Claim 22 is now moot.

**REJECTION OF CLAIMS 2, 5, 6, 13, 16, AND 17 UNDER 35 U.S.C. §103(a)**

Claims 2, 5, 6, 13, 16, and 17 were rejected under 35 U.S.C. §103(a) as being unpatentable over Podgorny in view of Wang, Johnson Controls or Emerson Climate Technologies as applied to Claims 1 and 12, and further in view of U.S. Patent No. 5,977,964 to Williams, et al. (hereinafter "Williams").

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

Claims 2, 5 and 6

Applicant notes that Claims 2, 5, and 6 depend from amended Claim 1 and are believed to be patentable for the same reasons articulated above with respect to amended Claim 1, and because of the additional features recited therein.

Claims 13, 16, and 17

Applicant notes that Claims 13, 16, and 17 depend from amended Claim 12 and are believed to be patentable for the same reasons articulated above with respect to amended Claim 12, and because of the additional features recited therein.

**OTHER APPLICATIONS OF ASSIGNEE**

Applicant wishes to draw the Examiner's attention to the following applications owned by of the present application's assignee:

<b>Inventors</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Attorney Docket No.</b>	<b>Title</b>
Steinberg et al.	60/963,183 Now Expired	08/03/07	EFACT.003PR	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	60/944,011 Now Expired	09/17/07	EFACT.005PR	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	12/183,990 Now Pat. 7,908,117	07/31/08	EFACT.003A	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	12/183,949 Now Pat. 7,908,116	07/31/08	EFACT.004A	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	12/211,733 Now Pat. 7,848,900	09/16/08	EFACT.005A	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	12/211,690 Now Pat. 8,019,567	09/16/08	EFACT.006A	System And Method For Evaluating Changes In The Efficiency Of An HVAC System
Steinberg	61/215,816 Now Expired	05/11/09	EFACT.008PR	System, Method And Apparatus For Dynamically Variable Compressor Delay In Thermostat To Reduce Energy Consumption
Steinberg et al.	61/215,657 Now Expired	05/08/09	EFACT.009PR	System, Method And Apparatus For Just-In-Time Conditioning Using A Thermostat



Application No.: 12/502,064  
 Filing Date: July 13, 2009

Inventors	Appl. No.	Filing Date	Attorney Docket No.	Title
Steinberg et al.	61/215,999 Now Expired	05/12/09	EFACT.007PR	System, Method And Apparatus For Identifying Manual Inputs To And Adaptive Programming Of A Thermostat
Cheung et al.	12/498,142 Now Pat. 8,010,237	07/06/09	EFACT.010A	System And Method For Using Ramped Setpoint Temperature Variation With Networked Thermostats To Improve Efficiency
Steinberg	12/502,064 Published 2010/0280667	07/13/09	EFACT.011A	System And Method For Using A Networked Electronic Device As An Occupancy Sensor For An Energy Management System
Steinberg et al.	12/773,690 Published 2010/0318227	05/04/10	EFACT.009A	System, Method And Apparatus For Just-In-Time Conditioning Using A Thermostat
Steinberg	12/774,580 Published 2010/0282857	05/05/10	EFACT.008A	System, Method And Apparatus For Dynamically Variable Compressor Delay In Thermostat To Reduce Energy Consumption
Steinberg et al.	12/778,052 Published 2010/0308119	05/11/10	EFACT.007A	System, Method And Apparatus For Identifying Manual Inputs To And Adaptive Programming Of A Thermostat
Steinberg	12/788,246 Pending	05/26/10	EFACT.012A	System And Method For Using A Mobile Electronic Device To Optimize An Energy Management System
Steinberg	12/860,821 Now Pat. 8,090,477	08/20/10	EFACT.013A	System And Method For Optimizing Use Of Plug-In Air Conditioners And Portable Heaters
Steinberg et al.	12/959,225 Published 2011/0077896	12/02/10	EFACT.005C1	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	13/037,162 Published 2011/0166828	02/28/11	EFACT.004C1	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Cheung et al.	13/219,381 Published 2011/0307103	08/26/11	EFACT.010C1	System And Method For Using Ramped Setpoint Temperature Variation With Networked Thermostats To Improve Efficiency
Steinberg et al.	13/230,610 Pending	09/12/11	EFACT.006C1	System And Method For Evaluating Changes In The Efficiency Of An HVAC System

**Application No.:** 12/502,064  
**Filing Date:** July 13, 2009

<b>Inventors</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Attorney Docket No.</b>	<b>Title</b>
Steinberg	13/329,117 Pending	12/16/11	EFACT.013C1	System And Method For Optimizing Use Of Plug-In Air Conditioners And Portable Heaters

Applicant notes that cited references, office actions, responses and notices of allowance currently exist or will exist for the above-referenced matters. Applicant also understands that the Examiner has access to sophisticated online Patent Office computing systems that provide ready access to the full file histories of these matters including, for example, specifications, drawings, pending claims, cited art, office actions, responses, declarations, and notices of allowance.

Rather than submit these file histories, Applicant respectfully requests that the Examiner continue to review these file histories online for past, current, and future information about these matters. Also, if the Examiner cannot readily access these file histories, the Applicant would be pleased to provide any portion of any of the file histories at any time upon specific Examiner request.

#### **NO DISCLAIMERS OR DISAVOWALS**

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application.

Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution.

Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Application No.: 12/502,064  
Filing Date: July 13, 2009

**CONCLUSION**

Applicants have endeavored to address all of the Examiner's concerns as expressed in the outstanding Office Action. In light of the above remarks, reconsideration and withdrawal of the outstanding rejections is specifically requested.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

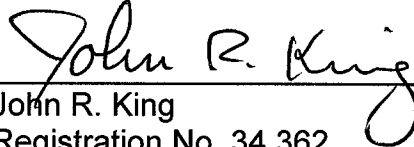
Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: \_\_\_\_\_

3/1/2012

By: \_\_\_\_\_



John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

12859216  
030112

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12502064
<b>Filing Date:</b>	13-Jul-2009
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Filer:</b>	John R. King/Amy Durrant
<b>Attorney Docket Number:</b>	EFACT.011A

Filed as Small Entity

### Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				
Extension - 2 months with \$0 paid	0068 2252	1	280	280

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>280</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	12205743
<b>Application Number:</b>	12502064
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5514
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Customer Number:</b>	20995
<b>Filer:</b>	John R. King/Erica Van Sciver
<b>Filer Authorized By:</b>	John R. King
<b>Attorney Docket Number:</b>	EFACT.011A
<b>Receipt Date:</b>	01-MAR-2012
<b>Filing Date:</b>	13-JUL-2009
<b>Time Stamp:</b>	18:18:17
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$280
RAM confirmation Number	6459
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section ~~0070~~ (Patent application and reexamination processing fees)

<b>File Listing:</b>					
<b>Document Number</b>	<b>Document Description</b>	<b>File Name</b>	<b>File Size(Bytes)/ Message Digest</b>	<b>Multi Part /.zip</b>	<b>Pages (if appl.)</b>
1		EFACT-011A_response.pdf	712609 <small>615b196e9f922902fa4ff16df0e97f26681db70c</small>	yes	17
<b>Multipart Description/PDF files in .zip description</b>					
<b>Document Description</b>			<b>Start</b>	<b>End</b>	
Amendment/Req. Reconsideration-After Non-Final Reject			1	1	
Claims			2	6	
Applicant summary of interview with examiner			7	8	
Applicant Arguments/Remarks Made in an Amendment			9	17	
<b>Warnings:</b>					
<b>Information:</b>					
2	Fee Worksheet (SB06)	fee-info.pdf	30951 <small>83b82adaf2f02ddfd96fb795caba2115681ddc3</small>	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			743560		
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>PATENT APPLICATION FEE DETERMINATION RECORD</b> Substitute for Form PTO-875	Application or Docket Number <b>12/502,064</b>	Filing Date <b>07/13/2009</b>	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY				
	(Column 1)	(Column 2)	SMALL ENTITY <input checked="" type="checkbox"/>	OR			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	OR	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		OR	N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (j), or (m))</small>	N/A	N/A	N/A		OR	N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		OR	N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(j))</small>	minus 20 =	*	X \$ =		OR	X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =		OR	X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				OR		
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>					OR		
			TOTAL		OR	TOTAL	

\* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY				
	(Column 1)	(Column 2)	(Column 3)						
AMENDMENT	<b>03/01/2012</b>	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR	RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	* 18	Minus ** 22	= 0	X \$30 =	0	OR	X \$ =	
	Independent <small>(37 CFR 1.16(h))</small>	* 2	Minus ***3	= 0	X \$125 =	0	OR	X \$ =	
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR		
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR		
					TOTAL ADD'L FEE	<b>0</b>	OR	TOTAL ADD'L FEE	

	(Column 1)	(Column 2)	(Column 3)						
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR	RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	*	Minus **	=	X \$ =		OR	X \$ =	
	Independent <small>(37 CFR 1.16(h))</small>	*	Minus ***	=	X \$ =		OR	X \$ =	
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR		
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".  
 \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".  
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:  
 /STELLA LITTLE/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**  
 If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.





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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/502,064	07/13/2009	John Douglas Steinberg	EFACT.011A	5514
20995	7590	02/17/2012	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614			ROBERTSON, DAVID	
			ART UNIT	PAPER NUMBER
			2121	
			NOTIFICATION DATE	DELIVERY MODE
			02/17/2012	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com  
efiling@kmob.com  
eOAPilot@kmob.com

<b><i>Applicant-Initiated Interview Summary</i></b>	<b>Application No.</b> 12/502,064	<b>Applicant(s)</b> STEINBERG, JOHN DOUGLAS	
	<b>Examiner</b> Dave Robertson	<b>Art Unit</b> 2121	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Dave Robertson. (3) John Steinberg (Applicant).  
(2) Atty John King (Reg. No. 34,362). (4) \_\_\_\_\_.

Date of Interview: 07 February 2012.

Type:  Telephonic  Video Conference  
 Personal [copy given to:  applicant  applicant's representative]

Exhibit shown or demonstration conducted:  Yes  No.  
If Yes, brief description: \_\_\_\_\_.

Issues Discussed 101 112 102 103 Others  
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1.

Identification of prior art discussed: \_\_\_\_\_.

**Substance of Interview**

(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed proposed and further clarifying amendments to claim 1 in view of distinctions and advantages of the present invention over the prior art and as described generally in the marketplace by Applicant. No agreement reached on allowability, however, Examiner indicated particular amendments capturing discussion and filed in response with Remarks thereto, subject to final search and consideration, may give rise to allowability, and recommended further exchange of potential claim amendments to be followed by submission of same in response, with remarks arguing claimed distinction(s) over the prior art of record and/or as previously applied. Representative agreed to recordation of Interview Summary herein in lieu of copy provided at interview.

**Applicant recordation instructions:** The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

**Examiner recordation instructions:** Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

/Dave Robertson/  
Primary Examiner, Art Unit 2121

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

<b>Applicant-Initiated Interview Summary</b>	<b>Application No.</b> 12/502,064	<b>Applicant(s)</b> STEINBERG, JOHN DOUGLAS	
	<b>Examiner</b> Dave Robertson	<b>Art Unit</b> 2121	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Dave Robertson. (3) Inventor John Steinberg.  
(2) Atty John King. (4) \_\_\_\_\_.

Date of Interview: 26 August 2011.

Type:  Telephonic  Video Conference  
 Personal [copy given to:  applicant  applicant's representative]

Exhibit shown or demonstration conducted:  Yes  No.  
If Yes, brief description: \_\_\_\_\_.

Issues Discussed 101 112 102 103 Others  
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1 and 12.

Identification of prior art discussed: Johnson Controls T600HCx-3 Single-Stage Thermostats Installation Instructions T600HCN-3; Emerson Climate Technologies. Network Thermostat for E2 Building Controller Installation and Operation Manua; Wang, D.; Arens, E.; Federspiel, C.. Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor Networks in Buildings (see 892 attached herewith for complete citation).

**Substance of Interview**

(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed amendment of 8/2/2001 wrt 112(2) rejection previously made. Examiner agreed present amendments overcome rejections under 112(2) and that claims are supported by the disclosure. Examiner called attention to page 7 of the prior office action (3/3/2011) as stating that allowance over Podgorny et al. may be negated by amendments that render the claims definite, because prior indication of allowability was explained as based on the best interpretation possible from the plain meaning of the words in the claim in light of the specification. Examiner indicated that with the present amendments, while satisfying 112, could be rejected over Podgorny et al. in view of additional prior art. Discussion of the potential rejection of Podgorney et al. in view of either Emerson or Johnson Controls (as above and cited in the office action herewith), and further in view of Wang and Federspiel et al. did not result in any agreement. Examiner recommended issuing an office action with the new grounds of rejection over amended claims to afford Applicant opportunity to fully consider the prior art and response. Examiner indicated further interview may be warranted and welcomed after Applicant receipt and review of forthcoming office action.

**Applicant recordation instructions:** The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

**Examiner recordation instructions:** Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

/Dave Robertson/  
Primary Examiner, Art Unit 2121



**Summary of Record of Interview Requirements****Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record**

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

**Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews**

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

**Examiner to Check for Accuracy**

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/502,064	07/13/2009	John Douglas Steinberg	EFACT.011A	5514
20995	7590	10/04/2011	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614			ROBERTSON, DAVID	
			ART UNIT	PAPER NUMBER
			2121	
			NOTIFICATION DATE	DELIVERY MODE
			10/04/2011	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com  
efiling@kmob.com  
eOAPilot@kmob.com

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	12/502,064	STEINBERG, JOHN DOUGLAS	
	<b>Examiner</b>	<b>Art Unit</b>	
	Dave Robertson	2121	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1)  Responsive to communication(s) filed on 02 August 2011.
- 2a)  This action is **FINAL**.
- 2b)  This action is non-final.
- 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4)  Claim(s) 1-7,9-18 and 20-22 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5)  Claim(s) \_\_\_\_\_ is/are allowed.
- 6)  Claim(s) 1-7,9-18 and 20-22 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some \*    c)  None of:
    - 1.  Certified copies of the priority documents have been received.
    - 2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    - 3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1)  Notice of References Cited (PTO-892)
- 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3)  Information Disclosure Statement(s) (PTO/SB/08)  
 Paper No(s)/Mail Date 8/2/2011.
- 4)  Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. attached.
- 5)  Notice of Informal Patent Application
- 6)  Other: \_\_\_\_\_.



### **DETAILED ACTION**

1. This is a Non-final office action in response to Applicant's reply of 8/2/2011. Claims 1-7, 9-18, and 20-22 are pending.

#### ***Response to Amendment***

2. Applicant amends claims 1 and 12 to clarify the invention and in response to rejections previously made under 35 U.S.C. 112, 2<sup>nd</sup> paragraph. Accordingly, the rejections are withdrawn.
3. Applicant's amendments substantively distinguish the present invention from the scope of claims previously presented for which an interpretation was taken for examination on the merits and an indication of allowability *based on the interpretation* and conditioned on overcoming the rejection under 112, 2<sup>nd</sup> paragraph, was made. While the present amendments overcome the 112, 2<sup>nd</sup> paragraph, rejection, the scope of claim is not the scope of claims previously presented. Accordingly, the indication of allowability of claims 1-7, 9-18, and 20-22 as set forth in the previous office action (of 3/3/201, see page 6) is withdrawn.

#### ***Response to Arguments***

2. Applicant's arguments with respect to claims 1 and 12 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 1, 3, 4, 7, 9-12, 14, 15, 18, and 20-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Podgorny et al. (US 20080281472 A1) in view of Wang et al. ("Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor Networks in Buildings," 2003) and either of Johnson Controls (T600HCx-3 Single-Stage Thermostats Installation Instructions T600HCN-3, T600HCP-3 Part No. 24-9890-560, 2006) or Emerson Climate Technologies (Network Thermostat for E2 Building Controller Installation and Operation Manual, 2007).

Claim 1

Podgorny et al. teaches **a method for varying temperature setpoints for an HVAC system** (Abstract) **comprising:**

**storing at least a first HVAC temperature setpoint associated with a structure that is deemed to be non-occupied and at least a second HVAC temperature setpoint associated a said structure deemed to be occupied** (see ¶[0009, 0019, 0028, 0092] see also Table 2, occupancy and high/low min/max temperature setting fields);

**determining whether one or more networked electronic devices inside said structure are in use (see ¶[0083]),**

**wherein said networked electronic devices comprise a graphic[al] user interface, comprising a display (see ¶[0027,0067,0080]),**

**wherein said networked electronic devices receive input from one or more users (see ¶[0027]), wherein use of said networked electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said networked electronic devices by one or more users (see ¶[0083]);**

However, Podgorny does not *expressly* teach as specifically recited:

**determining whether said HVAC system is set to said first HVAC temperature setpoint indicating that said structure is deemed to be non-occupied;**

**providing electronic notice to one or more of said users of said networked electronic devices that said HVAC system is set for a non-occupied structure and offering to change said first HVAC temperature setpoint to a second HVAC temperature setpoint associated with occupancy of said structure; and**

**keeping said first HVAC temperature setpoint upon user response to said electronic notice.**

Wang et al. (2003) expressly teaches advantage to occupant's involvement in control loops (see pg. 3, section 4.3) by allowing occupants to receive messages to help improve environmental control and reduce energy usage, including where "ideally occupants should have access to the system's control strategy, and also be able to

Art Unit: 2121

override it at any time.” (pg. 4, left column). Both Johnson Controls (pgs. 10 and 12) and Emerson Climate Technologies (pg. 9) teach thermostat user interfaces which prompt users to override the unoccupied temperature settings, expressly such that in Emerson, the prompt is provided only if status is nonoccupied as in Johnson Controls where the “override prompt only appears when the thermostat is in the unoccupied state.” That, Podgorny teaches a Notification Agent (see ¶[0109,0127]) as well as a Presence Agent (¶[0083]) including full integration with occupancy sensors and notifications to a user interface, and that Wang et al. teaches advantage at providing such override capability in the form of user prompts, and further that Johnson Controls and Emerson teach prompts to the user provided only when the HVAC system is set for non-occupied status, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide such prompts, thereby involving the user advantageously in control of their environment, and whereby the effect of the user not responding to such prompt allows the system to maintain the unoccupied temperature setpoint thus reducing energy usage.

### Claim 3

Podgorny et al. teaches **the method of Claim 1 in which at least one of said networked electronic devices is a personal computer** (Fig. 2B).

### Claim 4

Podgorny et al. teaches **the method of Claim 1 in which at least one of said networked electronic devices is connected to the Internet** (see ¶[0024]).

Art Unit: 2121

Claims 7 and 9

Podgorny et al. teaches **he method of Claim 1 in which at least one of said networked electronic devices communicates with a remote server; and in which said adjusting of said temperature setpoint is initiated by a remote computer** (see Abstract, the user controlling “over the Internet” at a remote computer).

Claim 10

Podgorny et al. teaches **the method of Claim 1 in which said first HVAC temperature setpoint is varied automatically** (see Abstract, “autonomous process control” is *automatic*).

Claim 11

Podgorny et al. teaches **the method of Claim 1 in which an occupant is prompted to confirm occupancy prior to the adjusting of said first HVAC temperature setpoint** (see rationale above for claim 1 in combination with Wang et al., the override prompt serving to *confirm occupancy*, broadly, by requiring a response to override the current unoccupied temperature setting).

Claim 12

Podgorny et al. teaches **a system for altering the setpoint on a thermostat for space conditioning of a structure** (see Abstract), **comprising:**

**at least one thermostat having at least a first temperature setpoint associated with a non-occupied structure** (see ¶[0195]), **and**

Art Unit: 2121

**at least a second temperature setpoint associated with the existence of occupants in said structure** (see ¶[0009, 0019, 0028, 0092] see also Table 2, occupancy and high/low min/max temperature setting fields);

**one or more electronic devices having at least a graphic[al] user interface comprising a display** (see ¶[0027,0067,0080]);

**wherein said electronic devices receive input from one or more users** (see ¶[0027]) **wherein use of said electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said electronic devices by one or more users** (see ¶[0083])

**wherein activity of one or more networked electronic devices indicates whether said thermostat should be changed from said first temperature setpoint to said second temperature setpoint** (see ¶[0083, 0122]);

**wherein said electronic devices and said thermostat are connected to a network** (see Figure 22);

**an application comprising one or more computer processors in communication with said network** (see Figure 20, 22),

However, Podgorny does not *expressly* teach as specifically recited:

**wherein said application determines whether said one or more electronic devices are in use and whether said thermostat is set to said first temperature setpoint that indicates said structure is not occupied,**

**wherein said application provides electronic notice to one or more of said users of said electronic devices that said thermostat is set for a non-occupied**

Art Unit: 2121

**structure, and whether to keep said first temperature setpoint or change to said second temperature setpoint of a determination of non-occupancy; and**

**wherein said thermostat is kept at adjusted from said first temperature setpoint setting associated with the presence of one or more occupants in said structure to said temperature setting associated with the absence of occupants in said structure based upon user response to said electronic notice.**

Wang et al. (2003) expressly teaches advantage to occupant's involvement in control loops (see pg. 3, section 4.3) by allowing occupants to receive messages to help improve environmental control and reduce energy usage, including where "ideally occupants should have access to the system's control strategy, and also be able to override it at any time." (pg. 4, left column). Both Johnson Controls (pgs. 10 and 12) and Emerson Climate Technologies (pg. 9) teach thermostat user interfaces which prompt users to override the unoccupied temperature settings, expressly such that in Emerson, the prompt is provided only if status is nonoccupied as in Johnson Controls where the "override prompt only appears when the thermostat is in the unoccupied state." That, Podgorny teaches a Notification Agent (see ¶[0109,0127]) as well as a Presence Agent (¶[0083]) including full integration with occupancy sensors and notifications to a user interface, and that Wang et al. teaches advantage at providing such override capability in the form of user prompts, and further that Johnson Controls and Emerson teach prompts to the user provided only when the HVAC system is set for non-occupied status, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide such prompts, thereby involving the user

Art Unit: 2121

advantageously in control of their environment, and whereby the effect of the user not responding to such prompt allows the system to maintain the unoccupied temperature setpoint thus reducing energy usage.

Claims 14, 15, 18, and 20-22 recite further system features of claim 12 similarly as above for the methods of claims 3, 4, 7, 9, 10 and 11, and is/are similarly rejected for reasons given above, for the respective claim and claim elements.

6. Claim 2, 5, 6, 13, 16, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Podgorny et al. in view of Wang et al. Johnson Controls or Emerson Climate Technologies as applied to claims 1 and 12 above, and further in view of Williams et al. (US Pat. No. 5,977,964)

Podgorny et al. does not expressly teach **at least one of said networked electronic devices is a television; in which programming being watched or listened to using at least one of said networked electronic devices is used to determine which occupant of said structure is likely to be present, and the second HVAC temperature setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said at least one networked electronic device; or in which at least one of said networked electronic devices is a game console.**

Williams et al. expressly teaches selecting the second temperature setpoint (occupied setting) in response to identifying the user based on the programming being watched on a television (see Figure 1; Abstract; column 5, lines 20-40) or a game



Art Unit: 2121

console (see column 5, lines 25-30: computer used to access Internet Games is a “games console”). As Podgorny expressly also identifies the specific user (see ¶[0082]) by Presence Monitoring by various means including keyboard activity and biometrics to select environmental settings including temperature settings, it would have been obvious to one of ordinary skill in the art at the time of the invention that the electronic device of Podgorny may be an electronics device such as a television or game console, thereby expanding the range of devices known in the art for monitoring to indicate occupancy and more precisely identify particular users.

### ***Conclusion***

7. The prior art made of record and listed on the attached PTO Form 892 but not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2121

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dave Robertson whose telephone number is (571)272-8220. The examiner can normally be reached on Weekdays 8:15 am to 4:15 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dave Robertson/  
Examiner, Art Unit 2121

<b>Notice of References Cited</b>	Application/Control No. 12/502,064	Applicant(s)/Patent Under Reexamination STEINBERG, JOHN DOUGLAS	
	Examiner Dave Robertson	Art Unit 2121	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
*	A	US-5,261,481 A	11-1993	Baldwin et al.	165/237
*	B	US-5,761,083 A	06-1998	Brown et al.	700/296
*	C	US-7,354,005 B2	04-2008	Carey et al.	236/46R
*	D	US-2008/0283621 A1	11-2008	QUIRINO et al.	236/1.C
*	E	US-7,565,225 B2	07-2009	Dushane et al.	700/276
*	F	US-2010/0019051 A1	01-2010	Rosen, Howard	236/46.R
*	G	US-7,802,618 B2	09-2010	Simon et al.	165/254
*	H	US-2007/0045431	03-2007	Chapman et al.	236/046.00C
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			


**FOREIGN PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N				
	O				
	P				
	Q				
	R				
	S				
	T				

**NON-PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)			
	U	Wang, D.; Arens, E.; Federspiel, C.. Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor Networks in Buildings. Energy Systems Laboratory ( <a href="http://esl.tamu.edu">http://esl.tamu.edu</a> ), 2003 [Retrieved 9/1/2011] Downloaded from <a href="http://repository.tamu.edu/handle/1969.1/5210">http://repository.tamu.edu/handle/1969.1/5210</a> ].			
	V	Johnson Controls T600HCx-3 Single-Stage Thermostats Installation Instructions T600HCN-3, T600HCP-3 Part No. 24-9890-560, Rev. — Issued September 20, 2006			
	W	Emerson Climate Technologies. Network Thermostat for E2 Building Controller Installation and Operation Manual. 026-1721 Rev 0 10/30/2007.			
	X				

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<b>Search Notes</b>  	<b>Application/Control No.</b>  12502064	<b>Applicant(s)/Patent Under Reexamination</b>  STEINBERG, JOHN DOUGLAS
	<b>Examiner</b>  Dave Robertson	<b>Art Unit</b>  2121

<b>SEARCHED</b>			
<b>Class</b>	<b>Subclass</b>	<b>Date</b>	<b>Examiner</b>
700	276	9/28/2010	dcr
62	176.6	2/26/2011	dcr
236	46R	2/26/2011	dcr
700	276, 278, 295, 296	2/26/2011	dcr
	(updated)	8/22/2011	dcr

<b>SEARCH NOTES</b>		
<b>Search Notes</b>	<b>Date</b>	<b>Examiner</b>
EAST (USPAT, PgPUB, Derwent - see complete search history in application file)	9/29/2010	dcr
"236"/\$ "700"/\$ "340"/\$ (text-limited and cross-classification search - see search history)	9/28/2010	dcr
EAST (updated)	2/26/2011	dcr
EAST (text limited, targeted limitation search - see EAST search note)	8/22/2011	dcr
STIC (EIC 2100) search (see search strategy note in application file)	8/19/2011	dcr
EAST (updated, targeted limitation search, see search note)	8/29/2011	dcr

<b>INTERFERENCE SEARCH</b>			
<b>Class</b>	<b>Subclass</b>	<b>Date</b>	<b>Examiner</b>

	/DAVE ROBERTSON/ Primary Examiner.Art Unit 2121
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File 347: JAPI O Dec 1976- 2011/ APR( Updat ed 110807)

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File 350: Derwent WPI X 1963- 2011/ UD=201152

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Set	Items	Description
S1	7799704	OCCUPAN? OR OCCUPY? OR OCCUPIE? ? OR INHABIT? OR PRESENT? - OR PRESENCE? OR ACTI V? OR MOTI ON? OR MOVEMENT? OR MOVI NG? OR - MOVE? ? OR KEYSTROKE? OR KEY( ) STROKE? OR ( BUTT ON? OR MOUSE? ) (- 2N) ( PRESS? OR CLI CK? OR DOUBLECLI CK? ) OR UNOCCUPAN? OR UNOCCU- PY? OR UNOCCUPIE? ? OR NONOCCUP? OR UNI NHABI T?
S2	3401381	( NETWORK? OR DEVI CE? ? OR APPLI ANCE? ? OR APPARATUS?? OR E- LECTRONI CS OR COMPUTER? OR PHONE? ? OR CELLPHONE? OR SMARTPHO- NE? OR PDA OR PDAS OR PERSONAL( ) DI GI TAL( ) ASSI STANT? OR BLACKB- ERR?? ? OR CONSOLE? ? OR ( GAME? ? OR GAM I NG) ( 1N) MACHI NE? ? OR - TV OR TELEVI SI ON? ) ( 2N) ( USE OR USES OR USED OR USI NG? OR USAGE? OR UTI LI Z? OR UTI LI S? OR TRAFFI C? OR OPERAT? OR ON OR VI EW - OR VI EWED OR VI EW I NG? )
S3	936131	S1: S2( 5N) ( DETERM I N? OR DETECT? OR FI ND?? ? OR FOUND OR LOCA- T? OR I DENTI F? OR DI SCOVER? OR SENS?? ? OR LEARN?? ? OR RECGNI ? OR NOTI C? OR ASCERTAI N? OR DI SCERN? )
S4	3049946	USER? ? OR PERSON? ? OR PEOPLE? OR I NDI VI DUAL? OR EMPLOYE?? OR WORKER? ? OR COWORKER? ? OR STUDENT? ? OR I NHABI TANT? OR - RESI DENT? OR OCCUPANT? OR DWELLER? ? OR TENANT? ? OR GUEST? ? OR ENTI TY? OR ENTI TI E? ? OR VI EWER? ? OR PLAYER? ? OR WHO
S5	166164	S4( 5N) ( PROMPT? OR ASK?? ? OR I NQUI R? OR ENQUI R? OR QUERY?? ? OR QUERI E? ? OR QUESTI ON? OR SUMMON? OR SOLI CI T? OR NOTI C? OR NOTI F? OR MESSAGE? OR MESSAGI NG? OR POPUP? OR POP( ) ( UP OR UPS) OR CONFI RM? OR VALI DAT? OR VERI F? )
S6	3651692	HVAC OR CL I MATE( ) CONTRL? OR HEATI NG( 1W) ( COOLI NG? OR AI R( ) - CONDI TI ONI NG? OR VENTI LATI ON? ) OR THERMOSTAT? OR TEMPERATURE? OR WARM?? ? ? ? OR COOL?? ? ? ? OR HUM I D?
S7	359787	S6( 3N) ( SETPOI NT? OR SET( ) POI NT? OR SETTI NG? ? OR PROGRAM? ? OR PROGRAMMI NG? OR LEVEL? ? OR CONTRL? )
S8	44279	S7( 7N) ( CHANG? OR MODI F? OR ALTER? OR AMEND? OR ADJUST? OR - ADAPT? OR SW TCH? OR OVERRI D? OR OVER( ) RI D?? ? OR SUPERSED? OR I GNOR? OR DI SREGARD? OR ACCEPT? OR REPLAC? )
S9	23	S5( 20N) S8
S10	1	S3 AND S9
S11	22	S9 NOT S10
S12	14	( S11 AND PY=1963:2008) OR ( S11 AND AY=1963:2008 AND AC=US)
S13	14	IDPAT S12 ( sorted i n dupl i cat e/ non-dupl i cat e order)
S14	34	S3 AND S5 AND S8
S15	33	S14 NOT ( S10 OR S11)
S16	26	( S15 AND PY=1963:2008) OR ( S15 AND AY=1963:2008 AND AC=US)
S17	26	IDPAT S16 ( sorted i n dupl i cat e/ non-dupl i cat e order)

File 348: EUROPEAN PATENTS 1978-201132  
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File 349: PCT FULLTEXT 1979-2011/UB=20110811|UT=20110804  
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Set	Items	Description
S1	3142620	OCCUPAN? OR OCCUPY? OR OCCUPIE? ? OR INHABIT? OR PRESENT? - OR PRESENCE? OR ACTIV? OR MOTION? OR MOVEMENT? OR MOVING? OR - MOVE? ? OR KEYSTROKE? OR KEY() STROKE? OR (BUTTON? OR MOUSE?)(- 2N)(PRESS? OR CLICK? OR DOUBLECLICK?) OR UNOCCUPAN? OR UNOCCU- PY? OR UNOCCUPIE? ? OR NONOCCUP? OR UNINHABIT?
S2	1199424	(NETWORK? OR DEVICE? ? OR APPLIANCE? ? OR APPARATUS?? OR E- LECTRONICS OR COMPUTER? OR PHONE? ? OR CELLPHONE? OR SMARTPHO- NE? OR PDA OR PDAS OR PERSONAL() DIGITAL() ASSI STANT? OR BLACKB- ERR??? OR CONSOLE? ? OR (GAME? ? OR GAMING)(1N) MACHINE? ? OR - TV OR TELEVISION?)(2N)(USE OR USES OR USED OR USING? OR USAGE? OR UTILIZ? OR UTILIS? OR TRAFFIC? OR OPERAT? OR ON OR VIEW- OR VIEWED OR VIEWING?)
S3	1037010	S1: S2(5N)(DETERMINE? OR DETECT? OR FIND??? OR FOUND OR LOCA- T? OR IDENTIFY? OR DISCOVER? OR SENS??? OR LEARN??? OR RECOGNI? OR NOTIC? OR ASCERTAIN? OR DISCERN?)
S4	2036522	USER? ? OR PERSON? ? OR PEOPLE? OR INDIVIDUAL? OR EMPLOYEE?? OR WORKER? ? OR COWORKER? ? OR STUDENT? ? OR INHABITANT? OR - RESIDENT? OR OCCUPANT? OR DWELLER? ? OR TENANT? ? OR GUEST? ? OR ENTITY? OR ENTITIE? ? OR VIEVER? ? OR PLAYER? ? OR WHO
S5	175563	S4(5N)(PROMPT? OR ASK??? OR INQUIR? OR ENQUIR? OR QUERY??? OR QUERIE? ? OR QUESTION? OR SUMMON? OR SOLICIT? OR NOTIC? OR NOTIF? OR MESSAGE? OR MESSAGING? OR POPUP? OR POP()(UP OR UPS) OR CONFIRM? OR VALIDAT? OR VERIFY?)
S6	1507469	HVAC OR CLIMATE() CONTROL? OR HEATING1W(COOLING? OR AIR()- CONDI TIONING? OR VENTILATION?) OR THERMOSTAT? OR TEMPERATURE? OR WARM???? OR COOL???? OR HUMID?
S7	228040	S6(3N)(SETPOINT? OR SET() POINT? OR SETTING? ? OR PROGRAM? ? OR PROGRAMMING? OR LEVEL? ? OR CONTROL?)
S8	31555	S7(7N)(CHANG? OR MODIF? OR ALTER? OR AMEND? OR ADJUST? OR - ADAPT? OR SWITCH? OR OVERRID? OR OVER()RID??? OR SUPERSEDED? OR I GNOR? OR DISREGARD? OR ACCEPT? OR REPLAC?)
S9	38	S5(20N) S8
S10	5	S3(100N) S9
S11	33	S9 NOT S10
S12	26	(S11 AND PY=1978:2008) OR (S11 AND AY=1978:2008 AND AC=US)
S13	26	IDPAT S12 (sorted in duplicate/non-duplicate order)
S14	41	S3(100N) S5(100N) S8
S15	35	S14 NOT (S10 OR S11)
S16	25	(S15 AND PY=1978:2008) OR (S15 AND AY=1978:2008 AND AC=US)
S17	25	IDPAT S16 (sorted in duplicate/non-duplicate order)

File 8: Ei Compendex(R) 1884-2011/ Aug W2  
(c) 2011 Elsevier Eng. Info. Inc.

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Set	Items	Description
S1	29258183	OCCUPAN? OR OCCUPY? OR OCCUPIE? ? OR INHABIT? OR PRESENT? - OR PRESENCE? OR ACTIV? OR MOTION? OR MOVEMENT? OR MOVING? OR - MOVE? ? OR KEYSTROKE? OR KEY() STROKE? OR ( BUTTON? OR MOUSE? ) (- 2N) (PRESS? OR CLICK? OR DOUBLECLICK?) OR UNOCCUPAN? OR UNOCCU- PY? OR UNOCCUPIE? ? OR NONOCCUP? OR UNINHABIT?
S2	2912919	( NETWORK? OR DEVICE? ? OR APPLIANCE? ? OR APPARATUS?? OR E- LECTRONICS OR COMPUTER? OR PHONE? ? OR CELLPHONE? OR SMARTPHO- NE? OR PDA OR PDAS OR PERSONAL() DIGITAL() ASSISTANT? OR BLACKB- ERR??? OR CONSOLE? ? OR ( GAME? ? OR GAMING) (1N) MACHINE? ? OR - TV OR TELEVISION?) (2N) (USE OR USES OR USED OR USING? OR USAGE? OR UTILIZ? OR UTILIS? OR TRAFFIC? OR OPERAT? OR ON OR VIEW- OR VIEWED OR VIEWING?)
S3	2452459	S1: S2(5N) ( DETERMIN? OR DETECT? OR FIND??? OR FOUND OR LOCA- T? OR IDENTIFY? OR DISCOVER? OR SENS??? OR LEARN??? OR RECOGNI? OR NOTIC? OR ASCERTAIN? OR DISCERN?)
S4	9387950	USER? ? OR PERSON? ? OR PEOPLE? OR INDIVIDUAL? OR EMPLOYEE?? OR WORKER? ? OR COWORKER? ? OR STUDENT? ? OR INHABITANT? OR - RESIDENT? OR OCCUPANT? OR DWELLER? ? OR TENANT? ? OR GUEST? ? OR ENTITY? OR ENTITIE? ? OR VIEWER? ? OR PLAYER? ? OR WHO
S5	273875	S4(5N) ( PROMPT? OR ASK??? OR INQUIR? OR ENQUIR? OR QUERY??? OR QUERIE? ? OR QUESTION? OR SUMMON? OR SOLICIT? OR NOTIC? OR NOTIF? OR MESSAGE? OR MESSAGING? OR POPUP? OR POP() (UP OR UPS) OR CONFIRM? OR VALIDAT? OR VERIFY?)
S6	10992933	HVAC OR CLIMATE() CONTROL? OR HEATING(1W) (COOLING? OR AIR() - CONDITIONING? OR VENTILATION?) OR THERMOSTAT? OR TEMPERATURE? OR WARM????? OR COOL????? OR HUMID?
S7	415111	S6(3N) ( SETPOINT? OR SET() POINT? OR SETTING? ? OR PROGRAM? ? OR PROGRAMMING? OR LEVEL? ? OR CONTROL?)
S8	26275	S7(7N) ( CHANG? OR MODIF? OR ALTER? OR AMEND? OR ADJUST? OR - ADAPT? OR SWITCH? OR OVERRID? OR OVER() RID??? OR SUPERSED? OR IGNOR? OR DISREGARD? OR ACCEPT? OR REPLAC?)
S9	10	S5(20N) S8

S10	4	S3 AND S5 AND S8
S11	10	S9: S10 NOT PY>2008
S12	9	RD S11 (unique items)
S13	238	S3(20N) S8
S14	50	S13 AND S4
S15	48	S14 NOT S9: S10
S16	42	S15 NOT PY>2008
S17	34	RD S16 (unique items)
S18	2865	S3(15N) S5
S19	76	S18 AND S6
S20	75	S19 NOT (S9: S10 OR S14)
S21	62	S20 NOT PY>2008
S22	50	RD S21 (unique items)
S23	2396	AU=( STEI NBERG, J? OR STEI NBERG J?)
S24	0	S23 AND S3 AND S7



File 275: Gale Group Computer DB(TM) 1983-2011/ Jun 28  
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File 621: Gale Group New Prod. Annou. (R) 1985-2011/ Jun 17  
(c) 2011 Gale/Cengage  
File 636: Gale Group Newsletter DB(TM) 1987-2011/ Aug 16  
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File 16: Gale Group PROMT(R) 1990-2011/ Aug 16  
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File 160: Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
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File 610: Business Wire 1999-2011/ Aug 19  
(c) 2011 Business Wire.  
File 613: PR Newswire 1999-2011/ Aug 19  
(c) 2011 PR Newswire Association Inc

Set	Items	Description
S1	24070949	OCCUPAN? OR OCCUPY? OR OCCUPIE? ? OR INHABIT? OR PRESENT? - OR PRESENCE? OR ACTIVE? OR MOTION? OR MOVEMENT? OR MOVING? OR - MOVE? ? OR KEYSTROKE? OR KEY()STROKE? OR (BUTTON? OR MOUSE?)(- 2N)(PRESS? OR CLICK? OR DOUBLECLICK?) OR UNOCCUPAN? OR UNOCCU- PY? OR UNOCCUPIE? ? OR NONOCCUP? OR UNINHABIT?
S2	5420590	(NETWORK? OR DEVICE? ? OR APPLIANCE? ? OR APPARATUS?? OR E- LECTRONICS OR COMPUTER? OR PHONE? ? OR CELLPHONE? OR SMARTPHO- NE? OR PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACKB- ERR??? OR CONSOLE? ? OR (GAME? ? OR GAMING)(1N)MACHINE? ? OR - TV OR TELEVISION?)(2N)(USE OR USES OR USED OR USING? OR USAGE? OR UTILIZE? OR UTILISE? OR TRAFFIC? OR OPERAT? OR ON OR VIEW- OR VIEWED OR VIEWING?)
S3	1432271	S1: S2(5N)(DETERMINE? OR DETECT? OR FIND??? OR FOUND OR LOCA- T? OR IDENTIFY? OR DISCOVER? OR SENS??? OR LEARN??? OR RECOGNI? OR NOTICE? OR ASCERTAIN? OR DISCERN?)
S4	34044422	USER? ? OR PERSON? ? OR PEOPLE? OR INDIVIDUAL? OR EMPLOYEE? OR WORKER? ? OR COWORKER? ? OR STUDENT? ? OR INHABITANT? OR - RESIDENT? OR OCCUPANT? OR DWELLER? ? OR TENANT? ? OR GUEST? ? OR ENTITY? OR ENTITIE? ? OR VIEWER? ? OR PLAYER? ? OR WHO
S5	1885240	S4(5N)(PROMPT? OR ASK??? OR INQUIRY? OR ENQUIRY? OR QUERY??? OR QUERIE? ? OR QUESTION? OR SUMMON? OR SOLICIT? OR NOTICE? OR NOTIFY? OR MESSAGE? OR MESSAGING? OR POPUP? OR POP()(UP OR UPS) OR CONFIRM? OR VALIDATE? OR VERIFY?)
S6	2535934	HVAC OR CLIMATE()CONTROL? OR HEATING(1W)(COOLING? OR AIR()- CONDITIONING? OR VENTILATION?) OR THERMOSTAT? OR TEMPERATURE? OR WARM???? OR COOL???? OR HUMID?
S7	208886	S6(3N)(SETPOINT? OR SET()POINT? OR SETTING? ? OR PROGRAM? ? OR PROGRAMMING? OR LEVEL? ? OR CONTROL?)
S8	16181	S7(7N)(CHANGE? OR MODIFY? OR ALTER? OR AMEND? OR ADJUST? OR - ADAPT? OR SWITCH? OR OVERRIDE? OR OVER()RID??? OR SUPERSEDE? OR

		IGNOR? OR DI SREGARD? OR ACCEPT? OR REPLAC?)
S9	29	S5( 20N) S8
S10	10	S3( 100N) S5( 100N) S8
S11	33	S9: S10 NOT PY>2008
S12	25	RD S11 (uni que i tems)
S13	260	S3( 20N) S8
S14	110	S13( 50N) S4
S15	106	S14 NOT S9: S10
S16	91	S15 NOT PY>2008
S17	59	RD S16 (uni que i tems)
S18	9147	S3( 15N) S5
S19	29	S18( 100N) S7
S20	25	S19 NOT ( S9: S10 OR S14)
S21	24	S20 NOT PY>2008
S22	16	RD S21 (uni que i tems)

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S184	92	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20080283621-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$ or US-7055759-\$).did. or (WO-2009069998-\$ or US-6196468-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 14:12
S185	2	S184 and rosen.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 14:12

S186	1	S184 and rosen.in. and override	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 14:17
S187	0	"11926950"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 14:18
S188	22	("20050040250"   "20060071087"   "20060186214"   "20070045431"   "5395042"   "5396048"   "5476221"   "5538181"   "6843068"   "6845918"   "6991029").PN.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 14:19
S189	6	S188 and override	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 14:19
S190	1	(11/335182).APP.	USPAT; USOCR	OR	ON	2011/08/22 14:21
S191	0	(11/394581).APP.	USPAT; USOCR	OR	ON	2011/08/22 14:26
S192	104	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20080283621-\$ or US-20060186214-\$ or US-20070045431-\$). did. or (US-20060071087-\$ or US-20050040250-\$). did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$). did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 15:55

		5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$ or US-7055759-\$ or US-6845918-\$ or US-5395042-\$ or US-7802618-\$).did. or (WO-2009069998-\$ or US-6196468-\$ or US-20070045431-\$ or US-20060186214-\$ or US-6843068-\$ or US-20040245351-\$ or WO-9520782-\$).did.				
S193	2884	"I1" and over\$1ride	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 15:55
S194	33	S192 and (over\$1ride)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 15:55
S195	16	S192 and (over\$1ride same \$2occup\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 15:56
S196	10	S192 and (over\$1ride same \$2occup\$5) same (user or operator)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 16:00
S197	6	S192 and (over\$1ride same \$2occup\$5) same (user or operator) same (input or prompt\$4 or ask\$3)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 16:01
S198	121	("5544036").URPN.	USPAT	OR	ON	2011/08/22 16:14
S199	2	S198 and (over\$1ride same \$2occup\$5) same (user or operator)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/08/22 16:14

8/ 29/ 2011 3:18:25 PM

C:\Users\drobertson2\Documents\EAST\Workspaces\12502064 Steinberg energy use monitor tv viewing habits.wsp

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064	
	Filing Date	07-13-2009	
	First Named Inventor	Steinberg, John Douglas	
	Art Unit	2121	
<i>(Multiple sheets used when necessary)</i>		Examiner	Robertson, David
SHEET 1 OF 1		Attorney Docket No.	EFACT.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	7,356,384	04-2008	Gull, et al.	
	2	7,784,704	08-31-2010	Harter	
	3	7,848,900	12-07-2010	Steinberg, John Douglas et al.	
	4	7,894,943	02-22-2011	Sloup et al.	
	5	2009/0240381	09-2009	Lane	
	6	2009/0281667	11-2009	Masui, et al.	
	7	2010/0019052	01-2010	Yip	
	8	2010/0070086	03-2010	Harrod, et al.	
	9	2010/0070089	03-2010	Harrod, et al.	
	10	2010/0070093	03-2010	Harrod, et al.	
	11	2010/0211224	08-2010	Keeling, et al.	
	12	2010/0235004	09-2010	Thind	
	13	2010/0289643	11-2010	Trundle, et al.	
	14	2011/0031323	02-2011	Nold, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>

11686335:ad  
08022011

Examiner Signature	/Dave Robertson/ (08/10/2011)	Date Considered	08/10/2011
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
(Multiple sheets used when necessary)	Examiner	
SHEET 1 OF 4	Attorney Docket No.	JSTEIN.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,403,644	09-13-1983	Hebert, Raymond T.	
	2	4,674,027	06-16-1987	Thomas J. Beckey	
	3	5,572,438	11-05-1996	Ehlers, et al.	
	4	5,717,609	02-10-1998	Packa, et al.	
	5	6,145,751	11-14-2000	Ahmed	
	6	6,178,362	01-23-2001	Woolard, et al.	
	7	6,351,693	02-26-2002	Monie	
	8	6,400,996	06-04-2002	Hoffberg, et al.	
	9	6,437,692	08-20-2002	Petite, et al.	
	10	6,478,233	11-12-2002	Shah	
	11	6,480,803	11-12-2002	Pierret, et al.	
	12	6,483,906	11-19-2002	Lggulden, et al.	
	13	6,536,675	03-25-2003	Pesko, et al.	
	14	6,542,076	04-01-2003	Joao	
	15	6,549,130	04-15-2003	Joao	
	16	6,574,537	06-02-2003	Kipersztok, et al.	
	17	6,580,950	06-17-2003	Johnson	
	18	6,594,825	07-15-2003	Goldschmidtki, et al.	
	19	6,595,430	07-22-2003	Shah	
	20	6,598,056	07-22-2003	Hull, et al.	
	21	6,619,555	09-16-2003	Howard B. Rosen	
	22	6,622,097	09-16-2003	Robert R. Hunter	
	23	6,622,115	09-16-2003	Brown, et al.	
	24	6,622,925	09-23-2003	Carner, et al.	
	25	6,622,926	09-23-2003	Sartain, et al.	
	26	6,628,997	09-30-2003	Fox, et al.	
	27	6,633,823	10-14-2003	Bartone, et al.	
	28	6,643,567	11-04-2003	Kolk et al.	
	29	6,671,586	12-30-2003	Davis, et al.	

Examiner Signature	Date Considered
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**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
(Multiple sheets used when necessary)	Examiner	
SHEET 2 OF 4	Attorney Docket No.	JSTEIN.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	6,695,218	02-24-2004	Fleckenstein	
	31	6,726,113	04-27-2004	Guo	
	32	6,731,992	05-04-2004	Ziegler	
	33	6,734,806	05-11-2004	Cratsley	
	34	6,772,052	08-03-2004	Amundsen	
	35	6,785,592	08-31-2004	Smith	
	36	6,785,630	08-31-2004	Kolk	
	37	6,789,739	09-14-2004	Howard Rosen	
	38	6,853,959	02-08-2005	Ikeda, et al.	
	39	6,868,293	03-15-2005	Schurr	
	40	6,868,319	03-15-2005	Kipersztok, et al.	
	41	6,882,712	04-19-2005	Iggulden, et al.	
	42	6,889,908	05-10-2005	Crippen, et al.	
	43	6,891,838	10-10-2005	Petite, et al.	
	44	6,991,029	01-31-2006	Orfield, et al.	
	45	7,009,493	03-07-2006	Howard	
	46	7,031,880	04-18-2006	Seem, et al.	
	47	7,039,532	05-02-2006	Hunter	
	48	7,089,088	08-08-2006	Terry, et al.	
	49	7,130,719	10-31-2006	Ehlers, et al.	
	50	7,130,832	10-31-2006	Bannai, et al.	
	51	7,167,079	01-23-2007	Smyth, et al.	
	52	7,187,986	03-06-2007	Johnson, et al.	
	53	7,205,892	04-17-2007	Luebke, et al.	
	54	7,215,746	05-08-2007	Iggulden, et al.	
	55	7,216,015	05-08-2007	Poth, Robert J.	
	56	7,231,424	06-11-2007	Bodin, et al.	
	57	7,232,075	06-19-2007	Rosen	
	58	2003/0040934 A1	02-27-2003	Skidmore, et al.	

Examiner Signature	Date Considered
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
(Multiple sheets used when necessary)		Examiner
SHEET 3 OF 4		Attorney Docket No. JSTEIN.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	59	2005/0222889 A1	10-06-2005	Lai, et al.	
	60	2005/0288822 A1	12-29-2005	Rayburn, Ronald	
	61	2007/0043477 A1	02-22-2007	Elhers, et al.	
	62	2008/0083234 A1	04-10-2008	Krebs et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	63	ARNES, FEDERSPEIL, WANG, HUIZENGA., How Ambient Intelligence Will Improve Habitability and Energy Efficiency in Buildings, 2005, research paper., Center for the Built Environment. Controls and Information Technology	
	64	Comverge SuperStat Flyer	
	65	Control4 Wireless Thermostat Brochure	
	66	Cooper Power Systems Web Page	
	67	Enernoc Web Page	
	68	Enerwise Website	
	69	JOHNSON CONTORLS, Touch4 building automation system brochure, 2007	
	70	KILICOTTE, PIETTE, WATSON, , Dynamic Controls for Energy Efficiency and Demand Response: Framework Concepts and a New Construction Study Case in New York, Proceedings of the 2006 ACEEE Summer Study of Energy Efficiency in Buildings, Pacific Grove. CA., August 13-18, 2006	
	71	LIN, AUSLANDER and FEDERSPEIL, "Multi-Sensor Single-Actuator Control of HVAC Systems", 2002	
	72	PIER, Southern California Edison., Deman Responsive Control of Air Conditioning via Programmable Communicating Thermostats Draft Report	
	73	Proliphix Thermostat Brochure	

Examiner Signature	Date Considered
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\***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>	Examiner	
SHEET 4 OF 4	Attorney Docket No.	JSTEIN.011A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	74	WANG, ARENS, FEDERSPIEL., "Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor networks in Buildings," (2003), Center for Environmental Design Research	
	75	WETTER, WRIGHT, A comparison of deterministic and probabilistic optimization algorithms for nonsmooth simulation-based optimization., Building and Environment 39, 2004, Pages 989-999	

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Examiner Signature	/Dave Robertson/ (09/27/2011)	Date Considered	09/27/2011
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**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language translation is attached. **ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DCR/**

<b>Index of Claims</b>  	<b>Application/Control No.</b> 12502064	<b>Applicant(s)/Patent Under Reexamination</b> STEINBERG, JOHN DOUGLAS
	<b>Examiner</b> Dave Robertson	<b>Art Unit</b> 2121

✓	<b>Rejected</b>
=	<b>Allowed</b>

-	<b>Cancelled</b>
÷	<b>Restricted</b>

N	<b>Non-Elected</b>
I	<b>Interference</b>

A	<b>Appeal</b>
O	<b>Objected</b>

Claims renumbered in the same order as presented by applicant
  CPA
  T.D.
  R.1.47

CLAIM		DATE							
Final	Original	09/28/2010	02/26/2011	08/29/2011					
	1	✓	✓	✓					
	2	✓	✓	✓					
	3	✓	✓	✓					
	4	✓	✓	✓					
	5	✓	✓	✓					
	6	✓	✓	✓					
	7	✓	✓	✓					
	8	-	-	-					
	9	✓	✓	✓					
	10	✓	✓	✓					
	11	✓	✓	✓					
	12	✓	✓	✓					
	13	✓	✓	✓					
	14	✓	✓	✓					
	15	✓	✓	✓					
	16	✓	✓	✓					
	17	✓	✓	✓					
	18	✓	✓	✓					
	19	-	-	-					
	20	✓	✓	✓					
	21	✓	✓	✓					
	22	✓	✓	✓					

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : John Douglas Steinberg  
App. No. : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR  
USING A NETWORKED  
ELECTRONIC DEVICE AS AN  
OCCUPANCY SENSOR FOR AN  
ENERGY MANAGEMENT SYSTEM  
Examiner : David Robertson  
Art Unit : 2121  
Conf No. : 5514

**RESPONSE TO MARCH 3, 2011 OFFICE ACTION****Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed March 3, 2011, Applicant respectfully submits the following amendments and comments.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.

### AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 5, 10-12, and 20-22 as indicated below.

1. (Currently Amended) A method for varying temperature setpoints for an HVAC system comprising:

storing at least ~~an~~ a first HVAC temperature setting setpoint associated with a structure that is deemed to be non-occupied and at least a second HVAC temperature setpoint associated a said structure deemed to be occupied;

determining whether one or more networked electronic devices inside said structure are in use, wherein said networked electronic devices comprise a graphic user interface comprising a display, wherein said networked electronic devices receive input from one or more users and wherein use of said networked electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said networked electronic devices by one or more users;

~~determining whether lack of said use of said networked electronic devices indicates non-occupancy of~~ said HVAC system is set to said first HVAC temperature setpoint indicating that said structure is deemed to be non occupied;

providing electronic notice to one or more of said users of said networked electronic devices ~~of a determination of non-occupancy that said HVAC system is set for a non-occupied structure and offering to change said first HVAC temperature setpoint to a second HVAC temperature setpoint associated with occupancy of said structure;~~ and

keeping said first HVAC temperature setpoint ~~adjusting the temperature setpoint on a thermostatic controller for an HVAC system for said structure to the HVAC temperature associated with a structure that is deemed to be non-occupied based upon user response to said~~ electronic notice.

2. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices is a television.

3. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices is a personal computer.

4. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices is connected to the Internet.

5. (Currently Amended) The method of Claim 1 in which programming being watched or listened to using at least one of said networked electronic devices is used to determine which occupant of said structure is likely to be present, and the second HVAC temperature setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said at least one networked electronic device.

6. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices is a game console.

7. (Previously Presented) The method of Claim 1 in which at least one of said networked electronic devices communicates with a remote server.

8. (Canceled)

9. (Previously Presented) The method of Claim 1 in which said adjusting of said temperature setpoint is initiated by a remote computer.

10. (Currently Amended) The method of Claim 1 in which said first HVAC temperature setpoint is varied automatically.

11. (Currently Amended) The method of Claim 1 in which an occupant is prompted to confirm occupancy prior to the adjusting of said first HVAC temperature setpoint.

12. (Currently Amended) A system for altering the setpoint on a thermostat for space conditioning of a structure comprising:

at least one thermostat having at least ~~one~~ a first temperature setpoint ~~setting~~ associated with the ~~presence of one or more occupants~~ in a non-

occupied structure, and at least one a second temperature setting setpoint associated with the existence absence of occupants in said structure;

one or more electronic devices having at least a graphic user interface comprising a display wherein said electronic devices receive input from one or more users and wherein use of said electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said electronic devices by one or more users, ~~and wherein lack of said use of said electronic devices indicates non-occupancy of said structure~~ wherein activity of one or more networked electronic devices indicates whether said thermostat should be changed from said first temperature setpoint to said second temperature setpoint;

wherein said electronic devices and said thermostat are connected to a network;

an application comprising one or more computer processors in communication with said network, wherein said application determines whether said one or more electronic devices are in use and whether said thermostat is set to said first temperature setpoint that indicates said structure is not occupied, wherein said application provides electronic notice to one or more of said users of said electronic devices that said thermostat is set for a non-occupied structure and whether to keep said first temperature setpoint or change to said second temperature setpoint of a determination of non-occupancy; and

wherein ~~said setpoint on said thermostat is kept at adjusted from said first temperature setpoint setting associated with the presence of one or more occupants in said structure to said temperature setting associated with the absence of occupants in said structure based upon user response to said electronic notice.~~

13. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices is a television.

14. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices is a personal computer.

15. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices is connected to the Internet.

16. (Previously Presented) The system of Claim 12 in which the programming being watched or listened to using said electronic devices is used to determine which occupant of said structure is likely to be using at least one of said electronic devices, and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said at least one electronic device.

17. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices is a game console.

18. (Previously Presented) The system of Claim 12 in which at least one of said electronic devices communicates with a remote server.

19. (Canceled)

20. (Currently Amended) The system of Claim 12 in which variation of said first temperature setpoints-setpoint is initiated by a remote computer.

21. (Currently Amended) The system of Claim 12 in which said first temperature setpoint is varied automatically.

22. (Currently Amended) The system of Claim 12 in which an occupant is prompted to confirm occupancy prior to adjustment of said first temperature setpoint.



**REMARKS**

The March 3, 2011 Office Action was based upon pending Claims 1-7, 9-18 and 20-22. This Amendment amends Claims 1, 5, 10-12, and 20-22. Thus, after entry of this Amendment, Claims 1-7, 9-18 and 20-22 are pending and presented for further consideration.

**ISSUES RAISED IN THE OFFICE ACTION**

In the Office Action, Claims 1-7, 9-18 and 20-22 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention.

In response, Applicant has amended the pending claims to more clearly focus on aspects of the embodiments shown in Figure 7 and described in paragraph 0039. Accordingly, Applicant submits that the pending claims have been amended to overcome the indefinite issues raised in the Office Action.

**Claim 1**

With respect to novelty and non-obviousness, the cited references do not appear to teach providing electronic notice to one or more users of the networked electronic devices that the HVAC system is set for a non-occupied structure. This notice also offers to change a first HVAC temperature setpoint to a second HVAC temperature setpoint associated with occupancy of said structure.

Futhermore, the cited references do not appear to teach the concept of keeping the first HVAC temperature setpoint based upon user response to the electronic notice.

Thus, Applicant respectfully requests allowance of Claim 1.

**Claims 2-7 and 9-11**

Claims 2-7 and 9-11 depend from Claim 1 and are believed to be patentable for the same reasons articulated above with respect to Claim 1, and because of the additional features recited therein.

Claim 12

Independent Claim 12 is of different scope than the other independent claims and Applicant requests the Examiner to separately evaluate the patentability of Claim 12 in light of the arguments set forth below.

In particular, Claim 12 is directed to a system for altering the setpoint on a thermostat for space conditioning of a structure. Claim 12 comprises at least one thermostat having at least a first temperature setpoint associated with a non-occupied structure, and at least a second temperature setpoint associated with the existence of occupants in the structure.

In addition, Claim 12 comprises one or more electronic devices having at least a graphic user interface comprising a display wherein the electronic devices receive input from one or more users and wherein use of the electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of the electronic devices by one or more users wherein activity of one or more networked electronic devices indicates whether the thermostat should be changed from the first temperature setpoint to the second temperature setpoint. The electronic devices and the thermostat are also connected to a network

Still further, Claim 12 comprises an application that in turn, comprises one or more computer processors in communication with the network. The application determines whether one or more of the electronic devices are in use and whether the thermostat is set to the first temperature setpoint that indicates the structure is not occupied. The application also provides electronic notice to one or more of the users of the electronic devices that the thermostat is set for a non-occupied structure and whether to keep the first temperature setpoint or change to the second temperature setpoint.

The thermostat is kept at the first temperature setpoint based upon user response to the electronic notice.

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

Because the cited references fail to teach the combination of these concepts, Applicant respectfully submits that Claim 12 is patentably distinct from the cited references and Applicant respectfully requests allowance of Claim 12.

Claims 13-18 and 20-22

Claims 13-18 and 20-22 depend from Claim 12 and are believed to be patentable for the same reasons articulated above with respect to Claim 12, and because of the additional features recited therein.

**OTHER APPLICATIONS OF ASSIGNEE**

Applicant wishes to draw the Examiner's attention to the following applications of the present application's assignee:

<b>Inventors</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Attorney Docket No.</b>	<b>Title</b>
Steinberg et al.	60/963,183 Now Expired	08/03/07	EFACT.003PR	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	60/944,011 Now Expired	09/17/07	EFACT.005PR	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	12/183,990 Now Pat. 7,908,117	07/31/08	EFACT.003A	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	12/183,949 Now Pat. 7,908,116	07/31/08	EFACT.004A	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	12/211,733 Now Pat. 7,848,900	09/16/08	EFACT.005A	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	12/211,690 Published 2010/0070234	09/16/08	EFACT.006A	System And Method For Evaluating Changes In The Efficiency Of An HVAC System
Steinberg	61/215,816 Now Expired	05/11/09	EFACT.008PR	System, Method And Apparatus For Dynamically Variable Compressor Delay In Thermostat To Reduce Energy Consumption
Steinberg et al.	61/215,657 Now Expired	05/08/09	EFACT.009PR	System, Method And Apparatus For Just-In-Time Conditioning Using A Thermostat

**Application No.: 12/502,064**

**Filing Date: July 13, 2009**

<b>Inventors</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Attorney Docket No.</b>	<b>Title</b>
Steinberg et al.	61/215,999 Now Expired	05/12/09	EFACT.007PR	System, Method And Apparatus For Identifying Manual Inputs To And Adaptive Programming Of A Thermostat
Cheung et al.	12/498,142 Published 2010/0262299	07/06/09	EFACT.010A	System And Method For Using Ramped Setpoint Temperature Variation With Networked Thermostats To Improve Efficiency
Steinberg	12/502,064 Published 2010/0280667	07/13/09	EFACT.011A	System And Method For Using A Networked Electronic Device As An Occupancy Sensor For An Energy Management System
Steinberg et al.	12/773,690 Published 2010/0318227	05/04/10	EFACT.009A	System, Method And Apparatus For Just-In-Time Conditioning Using A Thermostat
Steinberg	12/774,580 Published 2010/0282857	05/05/10	EFACT.008A	System, Method And Apparatus For Dynamically Variable Compressor Delay In Thermostat To Reduce Energy Consumption
Steinberg et al.	12/778,052 Published 2010/0308119	05/11/10	EFACT.007A	System, Method And Apparatus For Identifying Manual Inputs To And Adaptive Programming Of A Thermostat
Steinberg	12/788,246 Pending	05/26/10	EFACT.012A	System And Method For Using A Mobile Electronic Device To Optimize An Energy Management System
Steinberg	12/860,821 Pending	08/20/10	EFACT.013A	System And Method For Optimizing Use Of Plug-In Air Conditioners And Portable Heaters
Steinberg et al.	12/959,225 Pending	12/02/10	EFACT.005C1	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	13/037,162 Pending	02/28/11	EFACT.004C1	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction

Applicant notes that cited references, office actions, responses and notices of allowance currently exist or will exist for the above-referenced matters. Applicant also understands that the Examiner has access to sophisticated online Patent Office computing systems that provide ready access to the full file histories of these matters

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

including, for example, specifications, drawings, pending claims, cited art, office actions, responses, declarations, and notices of allowance.

Rather than submit copies these file histories, Applicant respectfully requests that the Examiner continue to review these file histories online for past, current, and future information about these matters.

Also, if the Examiner cannot readily access these file histories, the Applicant would be pleased to provide any portion of any of the file histories at any time upon specific Examiner request.

### **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Submitted concurrently herewith is a Supplemental Information Disclosure Statement citing 14 new references. Applicant respectfully requests the Examiner to consider the pending claims in connection with these references in order to make the references of record.

### **NO DISCLAIMERS OR DISAVOWALS**

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application.

Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution.

Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Application No.: 12/502,064  
Filing Date: July 13, 2009

**CONCLUSION**

Applicant has endeavored to address all of the Examiner's concerns as expressed in the outstanding Office Action. In light of the above remarks, reconsideration and withdrawal of the outstanding rejections is specifically requested.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 8-2-2011

By: John R. King  
John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

11615590:ad  
072011

**INFORMATION DISCLOSURE STATEMENT**

Applicant : John Douglas Steinberg  
App. No : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR USING A  
NETWORKED ELECTRONIC DEVICE AS AN  
OCCUPANCY SENSOR FOR AN ENERGY  
MANAGEMENT SYSTEM  
Examiner : Robertson, David  
Art Unit : 2121  
Conf No. : 5514

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing fourteen (14) references.

This Information Disclosure Statement is being filed before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,  
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 8-2-2011

By: John R. King  
John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	2121
<i>(Multiple sheets used when necessary)</i>	Examiner	Robertson, David
SHEET 1 OF 1	Attorney Docket No.	EFACT.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	7,356,384	04-2008	Gull, et al.	
	2	7,784,704	08-31-2010	Harter	
	3	7,848,900	12-07-2010	Steinberg, John Douglas et al.	
	4	7,894,943	02-22-2011	Sloup et al.	
	5	2009/0240381	09-2009	Lane	
	6	2009/0281667	11-2009	Masui, et al.	
	7	2010/0019052	01-2010	Yip	
	8	2010/0070086	03-2010	Harrod, et al.	
	9	2010/0070089	03-2010	Harrod, et al.	
	10	2010/0070093	03-2010	Harrod, et al.	
	11	2010/0211224	08-2010	Keeling, et al.	
	12	2010/0235004	09-2010	Thind	
	13	2010/0289643	11-2010	Trundle, et al.	
	14	2011/0031323	02-2011	Nold, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>

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08022011

Examiner Signature	Date Considered
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.



## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12502064
<b>Filing Date:</b>	13-Jul-2009
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Filer:</b>	John R. King/Amy Durrant
<b>Attorney Docket Number:</b>	EFACT.011A

Filed as Small Entity

### Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				
Extension - 2 months with \$0 paid	0121 2252	1	245	245

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
Submission- Information Disclosure Stmt	1806	1	180	180
<b>Total in USD (\$)</b>				<b>425</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	10652334
<b>Application Number:</b>	12502064
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5514
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Customer Number:</b>	20995
<b>Filer:</b>	John R. King/ThuyQuyen Nguyen
<b>Filer Authorized By:</b>	John R. King
<b>Attorney Docket Number:</b>	EFACT.011A
<b>Receipt Date:</b>	02-AUG-2011
<b>Filing Date:</b>	13-JUL-2009
<b>Time Stamp:</b>	18:32:54
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$425
RAM confirmation Number	5646
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 0128 (Patent application and reexamination processing fees)

<b>File Listing:</b>					
<b>Document Number</b>	<b>Document Description</b>	<b>File Name</b>	<b>File Size(Bytes)/ Message Digest</b>	<b>Multi Part /.zip</b>	<b>Pages (if appl.)</b>
1		EFACT-011A_response.pdf	479270 a0a9f87712eff940d619a85f2f8b1e1acb19f47	yes	11
	<b>Multipart Description/PDF files in .zip description</b>				
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	5	
	Applicant Arguments/Remarks Made in an Amendment		6	11	
<b>Warnings:</b>					
<b>Information:</b>					
2		EFACT-011A_ids.pdf	88752 f07a81f23f3d6a2d90b2d32d71df55d167af061a	yes	2
	<b>Multipart Description/PDF files in .zip description</b>				
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Transmittal Letter		1	1	
	Information Disclosure Statement (IDS) Form (SB08)		2	2	
<b>Warnings:</b>					
<b>Information:</b>					
3	Fee Worksheet (SB06)	fee-info.pdf	32554 a0ade85d4577cb1651b7bd2f138ec17aad0345e6	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			600576		

**This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.**

**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>PATENT APPLICATION FEE DETERMINATION RECORD</b> Substitute for Form PTO-875	Application or Docket Number <b>12/502,064</b>	Filing Date <b>07/13/2009</b>	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY			
	(Column 1)	(Column 2)	SMALL ENTITY <input checked="" type="checkbox"/>	OR		
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (j), or (m))</small>	N/A	N/A	N/A		N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(j))</small>	minus 20 =	*	X \$ =	OR	X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =		X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).					
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>						
			TOTAL		TOTAL	

\* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY			
	(Column 1)	(Column 2)	(Column 3)		SMALL ENTITY	OR		
AMENDMENT	<b>08/02/2011</b>	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	* 20	Minus ** 22	= 0	X \$26 =	0	OR	X \$ =
	Independent <small>(37 CFR 1.16(h))</small>	* 2	Minus ***3	= 0	X \$110 =	0	OR	X \$ =
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR	
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR	
					TOTAL ADD'L FEE	<b>0</b>	OR	TOTAL ADD'L FEE

	(Column 1)	(Column 2)	(Column 3)		SMALL ENTITY	OR		
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	*	Minus **	=	X \$ =		OR	X \$ =
	Independent <small>(37 CFR 1.16(h))</small>	*	Minus ***	=	X \$ =		OR	X \$ =
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR	
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR	
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".  
 \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:  
 /REGINA D. BALTIMORE/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/502,064	07/13/2009	John Douglas Steinberg	EFACT.011A	5514
20995	7590	03/03/2011	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614			ROBERTSON, DAVID	
			ART UNIT	PAPER NUMBER
			2121	
			NOTIFICATION DATE	DELIVERY MODE
			03/03/2011	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com  
efiling@kmob.com  
eOAPilot@kmob.com





### **DETAILED ACTION**

1. This is a Non-final office action in response to Applicant's reply of 2/7/2011. Claims 1-7, 9-18, and 20-22 are pending.

#### ***Response to Amendment***

2. Applicant amends claims to further recite aspects of the invention regarding detection and actions taken upon determination of *non-occupancy* from user activity on a networked electronic device. These amendments raise questions as to indefiniteness under 35 U.S.C. 112, 2<sup>nd</sup> paragraph, however, a scheduled interview for Feb. 23, 2011, could not be conducted, and therefore remained unresolved as of the time for statutory response to the amendment filed 2/7/2011 in this special status application. As a courtesy to Applicant, the office action is made non-final. Examiner notes an indication of allowability of claims is per an interpretation taken for examination, however, amendment or clarification on the record will be required for final allowance given the issues raised by these amendments.

#### ***Response to Arguments***

3. Applicant's arguments filed 2/7/2011 regarding amending claims filed 2/7/2011 are persuasive as to Williams et al. under 35 U.S.C. 102.

Art Unit: 2121

***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claim 1-7, 9-18, and 20-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is unclear how the claimed method as recited achieves the desired outcome of *adjusting the temperature setpoint....based upon user response to said notice*. Claim 1 as presently amended recites:

A method for varying temperature setpoints for an HVAC system comprising:

storing at least an HVAC temperature setting associated with a structure that is deemed to be non-occupied;

determining whether one or more networked electronic devices inside said structure are in use, wherein said networked electronic devices comprise a graphic user interface comprising a display, wherein said networked electronic devices receive input from one or more users and wherein use of said networked electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said networked electronic devices by one or more users;

determining whether lack of said use of said networked electronic devices indicates non-occupancy of said structure;

providing electronic notice to one or more of said users of said networked electronic devices of a determination of non-occupancy; and

adjusting the temperature setpoint on a thermostatic controller for an HVAC system for said structure to the HVAC temperature associated with a structure that is deemed to be non-occupied based upon user response to said notice.

Art Unit: 2121

An interpretation of the method of claim 1 as recited in whole, and specifically to the limitation of *providing electronic notice to the one or more users of said networked electronic devices*, of which *devices* are recited in the antecedent as *inside said structure*, encompasses a step of providing electronic notice of non-occupancy to users of electronic devices residing within a structure determined, by lack of use, to be within a non-occupied structure. Claim 1 further recites *adjusting the temperature setpoint on a thermostatic controller for an HVAC system for said structure to the HVAC temperature associated with a structure that is deemed to be non-occupied based upon user response to said notice*. It is therefore unclear how an electronic notification sent to an electronic device in an unoccupied structure can result in a response by a user, and therefore, indefinite as to what response the adjusting step is based. It is further unclear how a user could indicate a response (presumably using the electronic device to which the notice is sent) and not be deemed occupying the structure as a result of the use; and still further how, in the case of a plurality of users (said one or more users) of the one or more networked electronic devices, an electronic notice could be sent to the user of a corresponding device (if such user could in fact both occupy and not occupy the structure in which a particular electronic device resides) without identification of the particular user and networked device.

Claims are interpreted in light of the specification. Looking to the specification as originally filed (see pages 10-12, ¶[0039-0041]) provides no further clue as to how the method would operate to receive a response from a user to a notification to the networked electronic device when the structure in which both user and device reside

Art Unit: 2121

are *unoccupied*. There is no apparent disclosure of an alternative electronic device for receiving the electronic notice or any disclosed acts or means of directing the notification to an alternative device that is *not* in the unoccupied structure (see e.g. Figure 2 and related description). Rather, looking to the detailed description and the flowchart in Figure 7, there appears to *require* a response to the “requesting action” (the electronic notification) to perform the *adjusting*... step of the method.

Claim 12 recites a system implementing the method of claim 1. Claims 2-7, 9-11, 13-18, and 20-22 depend from claims 1 or 12 and are similarly deficient. Claims 5 and 12 however, by identification of the user by usage pattern, are reasonably clear on the point of which networked electronic device to send the notice because the user of the one or more users may be identified.

For the purposes of examination, the interpretation taken will be as claimed and disclosed, that of *adjusting the temperature setpoint...based upon user response to said notice and requiring a user response to the notification before adjusting the temperature setpoint of the unoccupied structure*. The present disclosure appears to support the claim as recited and interpreted, however, the disclosure does not appear to disclose an action taken in the absence of a user response, and therefore how an adjustment can be made if the user no longer occupies the structure housing the networked device to which the electronic notification of non-occupancy is provided.

Applicant is advised however that this interpretation taken for examination on the merits does not waive the written description requirement that claim amendments must be fully supported and enabled by the original disclosure.

***Allowable Subject Matter***

6. Notwithstanding the above Examiner comments under *Response to Amendments*, claims 1-7, 9-18, and 20-22 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action, pending final search and consideration after amendments and/or arguments curing of the points of indefiniteness raised above. The reasons for indicating allowable subject matter would be as follows:

The closest prior art **Podgorny et al. (US 2008/0281472)** teaches a method and system substantially as recited in claims 1 and 12, expressly including a graphical user interface (the “Personalization Interface GUI”) capable of receiving notifications (from the “Notification Agent”) for displaying and setting current environmental settings and preferences (see Table 3, page 28 “User’s Interface”), user setting of environmental preferences (Table 3, page 27 “Environmental Model”), and setting an HVAC temperature associated with a structure that is deemed to be non-occupied (see ¶[0201]).

However, Podgorny et al. does not expressly teach ***adjusting the temperature setpoint...to the HVAC temperature associated with a structure that is deemed to be non-occupied based upon user response to said notice [of determination of non-occupancy]***. That is, Podgorny et al. does not teach, as claimed and disclosed by the present invention (as explained in section 35 U.S.C. 112 above) *requiring* a user response to adjust the HVAC temperature associated with a structure deemed to be

Art Unit: 2121

non-occupied upon electronic notification of non-occupancy to the user of the networked electronic device residing in the unoccupied structure.

While Podgorny et al. teaches a Personalized Web UI (user interface) and a Presence Detector capable of prompting a user in response to a detection of non-occupancy, Podgorny et al., alone or in view of the prior art of record, does not teach or fairly suggest adjusting the temperature setpoint within a structure that is deemed to be non-occupied based upon user response to said notice of non-occupancy. Contrary to common sense, it would not be obvious to one of ordinary skill in art to require a user of a networked device residing in a structure deemed to be unoccupied, to respond to a notification of non-occupancy in order to set an HVAC temperature associated with non-occupancy of the structure. Rather, one of ordinary skill in the art would assume that a determination of non-occupancy implies that the user is not present to respond to a notification, and therefore (as in Podgorny et al. ¶[0201]) simply “turn down the temperature” without requiring a user response. To require a user response to “turn down the temperature” when the structure is deemed unoccupied would defeat the purpose of the “Smart Building System” or any such system that saved energy by reducing heating when buildings or zones of buildings are deemed unoccupied.

***Conclusion***

7. The prior art made of record and listed on the attached PTO Form 892 but not relied upon is considered pertinent to applicant's disclosure.

**Wacker et al.** (US 7,055,759) teaches user-controlled networked-device enabled setting and control of environmental settings including temperature settings for occupied and unoccupied buildings.

Examiner believes prosecution would be advanced by Interview following receipt of the office action above and review of the cited art of record and comments above.

The Examiner may be reached at the telephone number indicated below.

Art Unit: 2121

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dave Robertson whose telephone number is (571)272-8220. The examiner can normally be reached on Weekdays 8:15 am to 4:15 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dave Robertson/  
Examiner, Art Unit 2121



<b>Notice of References Cited</b>	Application/Control No. 12/502,064	Applicant(s)/Patent Under Reexamination STEINBERG, JOHN DOUGLAS	
	Examiner Dave Robertson	Art Unit 2121	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-7,055,759 B2	06-2006	Wacker et al.	236/51
	B US-			
	C US-			
	D US-			
	E US-			
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			

**FOREIGN PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N				
	O				
	P				
	Q				
	R				
	S				
	T				

**NON-PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
	U				
	V				
	W				
	X				

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<b>Search Notes</b>  <b>*1250206</b>  <b>4*</b>	<b>Application/Control No.</b>  12502064	<b>Applicant(s)/Patent Under Reexamination</b>  STEINBERG, JOHN DOUGLAS
	<b>Examiner</b>  Dave Robertson	<b>Art Unit</b>  2121

SEARCHED			
Class	Subclass	Date	Examiner
700	276	9/28/2010	dcr
62	176.6	2/26/2011	dcr
236	46R	2/26/2011	dcr
700	276, 278, 295, 296	2/26/2011	dcr

SEARCH NOTES		
Search Notes	Date	Examiner
EAST (USPAT, PgPUB, Derwent - see complete search history in application file)	9/29/2010	dcr
"236"/\$ "700"/\$ "340"/\$ (text-limited and cross-classification search - see search history)	9/28/2010	dcr
EAST (updated)	2/26/2011	dcr

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/Dave Robertson/ Examiner.Art Unit 2121	
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## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S71	14	("20090099699"   "20090125151"   "4136732"   "4341345"   "4655279"   "5244146"   "5270952"   "5314004"   "5462225"   "5544036"   "5555927"   "5818347"   "6260765"   "7644869").PN.	US-PGPUB; USPAT	ADJ	ON	2011/02/19 14:25
S116	12	("6993417").URPN.	USPAT	ADJ	ON	2011/02/19 14:30
S115	2	"6993417".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S114	1	(temperature or thermostat or HVAC! or heating or cooling) with (control\$4 or setting or set \$1point) and S113	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S113	2	(US-20090052859-\$).did. or (US-5977964-\$).did.	US-PGPUB; USPAT	ADJ	ON	2011/02/19 14:30
S112	9	(temperature or thermostat or HVAC! or heating or cooling) with (control\$4 or setting or set \$1point) and S110	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S111	13	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control \$4 or setting or set\$1point) and S110	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S110	227	((television or TV! or video) (channel or media or program \$4 or content)) ((unoccup\$3 or occupied or occupancy or presence) (detect\$ or determin \$ or recogniz\$)) ((who! or person or user or individual or viewer or occupant or identity) (identi\$6 or recogni\$7 or determin\$ or detect\$))) and S109	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S109	227	("5977964").URPN.	USPAT	ADJ	ON	2011/02/19 14:30
S108	1	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control \$4 or setting or set\$1point) and S107	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30

S107	2	((television or TV! or video) (channel or media or program \$4 or content)) ((unoccup\$3 or occupied or occupancy or presence) (detect\$ or determin \$ or recogniz\$)) (((who! or person or user or individual or viewer or occupant or identity) (identi\$6 or recogni\$7 or determin\$ or detect\$)))) and S106	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S106	2	"5977964".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S105	105	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control \$4 or setting or set\$1point) and S104	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S104	675	((television or TV! or video) with (channel or media or program\$4 or content)) same ((unoccup\$3 or occupied or occupancy or presence) with (detect\$ or determin\$ or recogniz\$)) same (((who! or person or user or individual or viewer or occupant or identity) with (identi\$6 or recogni\$7 or determin\$ or detect\$)))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S103	1218	((television or TV! or video) with (channel or media or program\$4 or content)) same ((unoccup\$3 or occupied or occupancy or presence)) same (((who! or person or user or individual or viewer or occupant or identity) with (identi\$6 or recogni\$7 or determin\$ or detect\$)))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S102	0	(11/183602).APP.	USPAT; USOCR	ADJ	ON	2011/02/19 14:30
S101	55	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30

		20060283938-\$ or US-20040178889-\$ or US-20040231003-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$).did. or (WO-2009069998-\$).did.				
S100	1	(10/672712).APP.	USPAT; USOCR	ADJ	ON	2011/02/19 14:30
S99	9	((video or television or TV! or DVD!) near5 (in\$1-use or usage or turned adj on)) and S94	US-PGPUB; USPAT; DERWENT	AND	ON	2011/02/19 14:30
S98	2	(television near5 (in\$1-use or usage or turned adj on)) and S94	US-PGPUB; USPAT; DERWENT	AND	ON	2011/02/19 14:30
S97	186	S96 and S78	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S96	2489	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity or individual) near3 (identif\$5 or recogni\$7))).ti,ab,clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S95	356	S94 and S78	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S94	4976	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity or individual) with (identif\$5 or recogni\$7))).ti,ab,clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S93	99	S78 and S92	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30

S92	1005	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity) with (identify or recognize))).ti,ab,clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S91	27	("20090099699"   "20090125151"   "4403644"   "4674027"   "5572438"   "5717609"   "6145751"   "6178362"   "6351693"   "6400996"   "6437692"   "6480803"   "6536675"   "6542076"   "6549130"   "6574537"   "6594825"   "6595430"   "6598056"   "6619555"   "6622097"   "6622925"   "6622926"   "6628997"   "6633823"   "6643567"   "6671586").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/02/19 14:30
S90	0	("H002176").URPN.	USPAT	ADJ	ON	2011/02/19 14:30
S89	16	("6145751").URPN.	USPAT	ADJ	ON	2011/02/19 14:30
S88	1	S85 and S75	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S87	1	S85 and S77	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S86	771	S85 and S78	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S85	8709	(unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity) with (identify or recognize))	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S84	12	S81 or S82 or S83	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S83	6	S80 and S75	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S82	6	S80 and S77	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S81	5	S80 and S79	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S80	138664	(unoccup\$3 or occup\$3 or occupancy or presence) with (who! or person or user! or identi\$2)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30

S79	13	(unoccup\$3 or occup\$3 or occupancy) and S77	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S78	213926	("236"/\$ "700"/\$ "340"/\$).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/19 14:30
S77	31	("236"/\$ "700"/\$ "340"/\$).ccls.	US-PGPUB; USPAT; DERWENT	AND	ON	2011/02/19 14:30
S76	424	700/276.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:30
S75	57	"20090099699"   "20090125151"   "4403644"   "4674027"   "5572438"   "5717609"   "6145751"   "6178362"   "6351693"   "6400996"   "6437692"   "6480803"   "6536675"   "6542076"   "6549130"   "6574537"   "6594825"   "6595430"   "6598056"   "6619555"   "6622097"   "6622925"   "6622926"   "6628997"   "6633823"   "6643567"   "6671586").PN.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2011/02/19 14:30
S74	59	((JOHN) near2 (STEINBERG)). INV.	US-PGPUB; USPAT	ADJ	ON	2011/02/19 14:30
S73	1	"61134714".rlan. or ("61".src. and "134714".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2011/02/19 14:30
S72	1	"12502064".rlan. or ("12".src. and "502064".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2011/02/19 14:30
S118	14	(US-20080281472-\$ or US- 20100156608-\$ or US- 20100162285-\$ or US- 20090052859-\$ or US- 20060045105-\$ or US- 20070146126-\$).did. or (US- 5977964-\$ or US-5682949-\$ or US-H002176-\$ or US-7061393- \$ or US-7260823-\$ or US- 7242988-\$ or US-7483964-\$ or US-6912429-\$).did.	US-PGPUB; USPAT	ADJ	ON	2011/02/19 14:37

S117	80	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$).did. or (WO-2009069998-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:37
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S119	0	S118 and (non\$1occup\$)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:38
S120	2	S117 and (non\$1occup\$)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/19 14:39
S124	16	(unoccup\$3 or non\$1occup\$4) and S123	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 13:59
S123	53	(US-20090125151-\$ or US- 20090099699-\$ or US- 20100162285-\$ or US- 20100156608-\$ or US- 20090052859-\$ or US- 20080281472-\$ or US- 20070146126-\$ or US- 20060045105-\$).did. or (US- 6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US- 6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US- 6594825-\$ or US-6574537-\$ or US-6549130-\$ or US-6542076-\$ or US-6536675-\$ or US- 6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6351693-\$ or US-6178362-\$ or US- 6145751-\$ or US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US- 7644869-\$).did. or (US- 6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US- 5314004-\$ or US-5270952-\$ or US-5244146-\$ or US-4655279-\$ or US-4341345-\$ or US- 4136732-\$ or US-7483964-\$ or US-7260823-\$ or US-7242988-\$ or US-H002176-\$ or US- 7061393-\$ or US-6912429-\$ or US-5977964-\$ or US-5682949- \$).did.	US-PGPUB; USPAT	ADJ	ON	2011/02/24 13:59
S126	0	(unoccup\$3 or non\$1occup\$4) with (notice or prompt or message or confirm\$5) and S123	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:01
S125	472	(unoccup\$3 or non\$1occup\$4) with (notice or prompt or message or confirm\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:01
S129	12	(unoccup\$3 or non\$1occup\$4) and (notic\$2 or prompt\$3 or messag\$3 or confirm\$5) and S123	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:02

S128	0	(unoccup\$3 or non\$1occup\$4) same (notic\$2 or prompt\$3 or messag\$3 or confirm\$5) and S123	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:02
S127	0	(unoccup\$3 or non\$1occup\$4) with (notic\$2 or prompt\$3 or messag\$3 or confirm\$5) and S123	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:02
S130	60	("5682949").URPN.	USPAT	ADJ	ON	2011/02/24 14:05
S132	2	S131 not S129	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:08
S131	14	(unoccup\$3 or non\$1occup\$4) and (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5) and S123	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:08
S133	19	("6912429").URPN.	USPAT	ADJ	ON	2011/02/24 14:10
S134	14	(unoccup\$3 or non\$1occup\$4) and (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3) and S123	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:14
S135	84	("6549130").URPN.	USPAT	ADJ	ON	2011/02/24 14:15
S137	22	(unoccup\$3 or non\$1occup\$4) and (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3) and S136	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:20
S136	87	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/24 14:20

		or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$). did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$).did. or (WO-2009069998-\$). did.				
S138	10	(unoccup\$3 or non\$1occup\$4) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3) and S136	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:26
S139	1	"12502064".rlan. or ("12".src. and "502064".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2011/02/24 14:31
S141	8	("20080283621"   "5261481"   "5476221"   "6196468").PN.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2011/02/24 14:33
S140	1	"12177822".rlan. or ("12".src. and "177822".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2011/02/24 14:33
S142	1	("5261481").URPN.	USPAT	ADJ	ON	2011/02/24 14:36
S143	137	62/176.6.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/24 14:37

S146	4766	(unoccup\$3 or non\$1occup\$4 or occupied) with (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:39
S145	655	(unoccup\$3 or non\$1occup\$4) with (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:39
S144	10	(unoccup\$3 or non\$1occup\$4) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7) and S136	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:39
S149	11	(S147 or S148) and S146	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/24 14:40
S148	53	(US-20090125151-\$ or US-20090099699-\$ or US-20100162285-\$ or US-20100156608-\$ or US-20090052859-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20060045105-\$).did. or (US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6549130-\$ or US-6542076-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6351693-\$ or US-6178362-\$ or US-6145751-\$ or US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7644869-\$).did. or (US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$ or US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7483964-\$ or US-7260823-\$ or US-7242988-\$ or US-H002176-\$ or US-7061393-\$ or US-6912429-\$ or US-5977964-\$ or US-5682949-\$).did.	US-PGPUB; USPAT	ADJ	ON	2011/02/24 14:40

S147	90	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/24 14:40
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		US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$).did. or (WO-2009069998-\$ or US-6196468-\$).did.				
S153	0	(12/041472).APP.	USPAT; USOCR	ADJ	ON	2011/02/24 14:53
S152	5	S151 and S150	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:53
S151	11543	(unoccup\$3 or non\$1occup\$4 or occupied) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:53
S150	17	(US-20090052859-\$ or US-20080281472-\$ or US-20100156608-\$ or US-20100162285-\$ or US-20060045105-\$ or US-20080283621-\$).did. or (US-5977964-\$ or US-5261481-\$ or US-6594825-\$ or US-5682949-\$ or US-H002176-\$ or US-7354005-\$ or US-7061393-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6351693-\$).did.	US-PGPUB; USPAT	ADJ	ON	2011/02/24 14:53
S155	6	S154 and S150	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:55
S154	205997	(unoccup\$3 or non\$1occup\$4 or occupied or presence) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/24 14:55
S156	0	(12/041472).APP.	USPAT; USOCR	ADJ	ON	2011/02/26 13:54
S159	32	S157 and S158	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 13:55
S158	206013	(unoccup\$3 or non\$1occup\$4 or occupied or presence) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/26 13:55

S157	91	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20080283621-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$).did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 13:55
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		7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$.did. or (WO-2009069998-\$ or US-6196468-\$.did.				
S161	429	700/276.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 16:34
S160	137	62/176.6.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 16:34
S162	445	236/46R.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 16:35
S163	989	700/276,278,295,296.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 16:36
S164	3	(US-20090052859-\$ or US-20080281472-\$.did. or (US-5977964-\$.did.	US-PGPUB; USPAT	ADJ	ON	2011/02/26 16:52
S166	1	S165 and S164	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/26 16:53
S165	206013	(unoccup\$3 or non\$1occup\$4 or occupied or presence) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/26 16:53
L3	0	I1 and L2	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 18:21
L2	206013	(unoccup\$3 or non\$1occup\$4 or occupied or presence) same (notic\$2 or notif\$7 or prompt\$3 or messag\$3 or confirm\$5 or user near input\$3 or validat\$3 or verif\$7)	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/26 18:21
L1	2	"7055759".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 18:21
L4	1	(unoccup\$3 or non\$1occup\$4 or occupied or presence) and I1	US-PGPUB; USPAT; DERWENT	OR	ON	2011/02/26 18:22
L6	8	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity or individual) with (identif\$5 or recogni\$7))) and I5	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 19:13



L5	15	(US-20080281472-\$ or US-20100156608-\$ or US-20100162285-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20070146126-\$).did. or (US-5977964-\$ or US-5682949-\$ or US-H002176-\$ or US-7061393-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6912429-\$ or US-7055759-\$).did.	US-PGPUB; USPAT	ADJ	ON	2011/02/26 19:13
L7	7	(prompt\$3 or ask\$3) and I5	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 19:14
L11	2	((prompt\$3 or ask\$3) same I2) and I10	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 19:15
L10	92	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$ or US-20100162285-\$ or US-20090293079-\$ or US-20090147772-\$ or US-20090052859-\$ or US-20060045105-\$ or US-20080283621-\$).did. or (US-6912429-\$ or US-6851621-\$ or US-5682949-\$ or US-6145751-\$ or US-H002176-\$ or US-6549130-\$ or US-6542076-\$ or US-6351693-\$ or US-6549816-\$ or US-6671586-\$ or US-6643567-\$ or US-6633823-\$ or US-6628997-\$ or US-6622926-\$ or US-6622925-\$ or US-6622097-\$ or US-6619555-\$ or US-6598056-\$ or US-6595430-\$ or US-6594825-\$ or US-6574537-\$ or US-6536675-\$ or US-6480803-\$ or US-6437692-\$ or US-6400996-\$ or US-6178362-\$).did. or (US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 19:15

		5717609-\$ or US-5572438-\$ or US-4674027-\$ or US-4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$ or US-5977964-\$ or US-7260823-\$ or US-7242988-\$ or US-7483964-\$ or US-6640145-\$ or US-6418424-\$ or US-7706928-\$ or US-7702421-\$ or US-7644869-\$ or US-6260765-\$ or US-5818347-\$ or US-5555927-\$ or US-5544036-\$ or US-5462225-\$ or US-5314004-\$ or US-5270952-\$ or US-5244146-\$). did. or (US-4655279-\$ or US-4341345-\$ or US-4136732-\$ or US-7509402-\$ or US-7587464-\$ or US-7590703-\$ or US-7657636-\$ or US-7455236-\$ or US-7421727-\$ or US-7156316-\$ or US-5261481-\$ or US-7793510-\$ or US-7055759-\$). did. or (WO-2009069998-\$ or US-6196468-\$).did.				
L9	0	((prompt\$3 or ask\$3) same l2) and l5	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 19:15
L8	10561	((prompt\$3 or ask\$3) same l2)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 19:15
L12	0	"are you there"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/02/26 19:18

### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S122	25	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity) with (identify or recognize))).ti,ab,clm.	UPAD	OR	ON	2011/02/19 14:30
S121	216	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity) with (identify or recognize)))	UPAD	OR	ON	2011/02/19 14:30

2/ 26/ 2011 8:03:17 PM

C:\ Documents and Settings\ drobertson2\ My Documents\ EAST\ Workspaces\ 12502064 Steinberg energy use monitor tv viewing habits.wsp

<b>Index of Claims</b>  <b>*1250206</b>  <b>4*</b>	<b>Application/Control No.</b> 12502064	<b>Applicant(s)/Patent Under Reexamination</b> STEINBERG, JOHN DOUGLAS
	<b>Examiner</b> Dave Robertson	<b>Art Unit</b> 2121

✓	<b>Rejected</b>
=	<b>Allowed</b>

-	<b>Cancelled</b>
÷	<b>Restricted</b>

N	<b>Non-Elected</b>
I	<b>Interference</b>

A	<b>Appeal</b>
O	<b>Objected</b>

Claims renumbered in the same order as presented by applicant
  CPA
  T.D.
  R.1.47

CLAIM		DATE							
Final	Original	09/28/2010	02/26/2011						
	1	✓	✓						
	2	✓	✓						
	3	✓	✓						
	4	✓	✓						
	5	✓	✓						
	6	✓	✓						
	7	✓	✓						
	8	-	-						
	9	✓	✓						
	10	✓	✓						
	11	✓	✓						
	12	✓	✓						
	13	✓	✓						
	14	✓	✓						
	15	✓	✓						
	16	✓	✓						
	17	✓	✓						
	18	✓	✓						
	19	-	-						
	20	✓	✓						
	21	✓	✓						
	22	✓	✓						

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	2121
<i>(Multiple sheets used when necessary)</i>		Examiner Robertson, David
SHEET 1 OF 1		Attorney Docket No. EFACT.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,136,732	01-1979	Demaray et al.	
	2	4,341,345	07-1982	Hammer et al.	
	3	4,655,279	04-1987	Harmon	
	4	5,244,146	09-1993	Jefferson et al.	
	5	5,270,952	12-1993	Adams et al.	
	6	5,314,004	05-1994	Strand et al.	
	7	5,462,225	10-1995	Massara et al.	
	8	5,544,036	08-1996	Brown et al.	
	9	5,555,927	09-1996	Shah	
	10	5,818,347	10-06-1998	Dolan et al.	
	11	6,260,765	07-2001	Natale et al.	
	12	7,644,869	01-2010	Hoglund et al.	
	13	2009/0099699 A1	04-16-2009	Steinberg et al.	
	14	2009/0125151 A1	05-14-2009	Steinberg et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	15	Honeywell Programmable Thermostat Owner's Guide, www.honeywell.com/yourhome 2004	
	16	Honeywell, "W7600/W7620 Controller Reference Manual, HW0021207, October, 1992	

10651795:ad  
020411

Examiner Signature	/Dave Robertson/ (02/17/2011)	Date Considered	02/17/2011
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

0156

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DCR/

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant	: John Douglas Steinberg
App. No	: 12/502,064
Filed	: July 13, 2009
For	: SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
Examiner	: David Robertson
Art Unit	: 2121
Conf No.	: 5514

**RESPONSE TO OCTOBER 7, 2010 OFFICE ACTION****Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed October 7, 2010, Applicant respectfully submits the following amendments and comments.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Summary of Interview** begins on page 6 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.

### AMENDMENTS TO THE CLAIMS

Please amend Claims 1-7, 9, 10, 12-18 and 21 as indicated below.

1. (Currently Amended) A method for varying temperature setpoints for an HVAC system comprising:

storing at least an HVAC temperature setting associated with a structure that is deemed to be non-occupied;

determining whether one or more networked electronic devices inside [[a]] said structure are in use, wherein said networked electronic devices comprise a graphic user interface comprising a display, wherein said networked electronic devices receive input from one or more users and wherein use of said networked electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said networked electronic devices by one or more users;

determining whether ~~lack of~~ said use of said networked electronic devices indicates non-occupancy of said structure;

providing electronic notice to one or more of said users of said networked electronic devices of a determination of non-occupancy; and

adjusting the temperature setpoint on a thermostatic controller for an HVAC system for said structure to the HVAC temperature associated with a structure that is deemed to be non-occupied based upon user response to said notice ~~whether or not said structure is deemed to be occupied.~~

2. (Currently Amended) The method of Claim 1 in which at least one of said networked electronic device devices is a television.

3. (Currently Amended) The method of Claim 1 in which at least one of said networked electronic device devices is a personal computer.

4. (Currently Amended) The method of Claim 1 in which at least one of said networked electronic device devices is connected to the Internet.

5. (Currently Amended) The method of Claim 1 in which programming being watched or listened to using at least one of said networked electronic device devices is used to determine which occupant of said structure is likely to be present, and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said at least one networked electronic device.

6. (Currently Amended) The method of Claim 1 in which at least one of said networked electronic device devices is a game console.

7. (Currently Amended) The method of Claim 1 in which at least one of said networked electronic device devices communicates with a remote server.

8. (Canceled)

9. (Currently Amended) The method of Claim 1 in which said adjusting of said temperature ~~setpoints~~ setpoint is initiated by a remote computer.

10. (Currently Amended) The method of Claim 1 in which said temperature ~~setpoints are~~ setpoint is varied automatically.

11. (Original) The method of Claim 1 in which an occupant is prompted to confirm occupancy prior to the adjusting of said temperature setpoint.

12. (Currently Amended) A system for altering the setpoint on a thermostat for space conditioning of a structure comprising:

at least one thermostat having at least one temperature setting associated with the presence of one or more occupants in a structure, and at least one temperature setting associated with the absence of occupants in said structure;

one or more electronic devices having at least a graphic user interface comprising a display wherein said electronic devices receive input from one or more users and wherein use of said electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said electronic devices by one or more users, and

wherein lack of said use of said electronic devices indicates non-occupancy of said structure;

wherein said electronic devices and said thermostat are connected to a network;

an application comprising one or more computer processors in communication with said network, wherein said application provides electronic notice to one or more of said users of said electronic devices of a determination of non-occupancy; and

wherein said setpoint on said thermostat is adjusted ~~between~~ from said temperature setting associated with the presence of one or more occupants in said structure and to said temperature setting associated with the absence of occupants in said structure based upon user response to said notice ~~the use of said user interface for said electronic device.~~

13. (Currently Amended) The system of Claim 12 in which at least one of said electronic device devices is a television.

14. (Currently Amended) The system of Claim 12 in which at least one of said electronic device devices is a personal computer.

15. (Currently Amended) The system of Claim 12 in which at least one of said electronic device devices is connected to the Internet.

16. (Currently Amended) The system of Claim 12 in which the programming being watched or listened to using said ~~networked~~ electronic device devices is used to determine which occupant of said structure is likely to be using at least one of said ~~networked~~ electronic device devices, and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said at least one networked electronic device.

17. (Currently Amended) The system of Claim 12 in which at least one of said ~~networked~~ electronic device devices is a game console.



**Application No.: 12/502,064**

**Filing Date: July 13, 2009**

18. (Currently Amended) The system of Claim 12 in which at least one of said networked electronic device devices communicates with a remote server.

19. (Canceled)

20. (Original) The system of Claim 12 in which variation of temperature setpoints is initiated by a remote computer.

21. (Currently Amended) The system of Claim 12 in which said temperature ~~setpoints are~~ setpoint is varied automatically.

22. (Original) The system of Claim 12 in which an occupant is prompted to confirm occupancy prior to adjustment of said temperature setpoint.

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

## **SUMMARY OF INTERVIEW**

### Attendees, Date and Type of Interview

The telephonic interview was conducted on December 17, 2010 and attended by Examiner David Robertson, John R. King and John Steinberg.

### Exhibits and/or Demonstrations

None.

### Identification of Claims Discussed

Claim 1.

### Identification of Prior Art Discussed

U.S. Patent No. 5,977,864 to Williams, et al.

### Proposed Amendments

See the amendments made to Claim 1 as set forth above.

### Principal Arguments and Other Matters

See the remarks made with respect to Claim 1 as set forth below.

### Results of Interview

It was Applicant's understanding that Examiner Robertson would further review the amendments upon submission of this response.

**Application No.:** 12/502,064  
**Filing Date:** July 13, 2009

## REMARKS

The October 7, 2010 Office Action was based upon pending Claims 1-7, 9-18 and 20-22. This Amendment amends Claims 1-7, 9, 10, 12-18 and 21. Thus, after entry of this Amendment, Claims 1-7, 9-18 and 20-22 are pending and presented for further consideration.

### **REJECTION OF CLAIMS 1-7, 9-18 AND 20-22 UNDER 35 U.S.C. § 102(b)**

Claims 1-7, 9-18 and 20-22 under were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,977,864 to Williams, et al. (hereinafter "Williams").

#### Claim 1

As discussed in the interview, Williams does not 1) monitor usage of a networked electronic device to determine non-occupancy, 2) provide electronic notice of non-occupancy and 3) alter the HVAC temperature to a setpoint for non-occupancy based on user response to the notice.

Because Williams fails to teach these concepts, Applicant respectfully submit that amended Claim 1 is patentable in light of Williams.

#### Claims 2-7 and 9-11

Claims 2-7 and 9-11 depend from Claim 1 and are believed to be patentable for the same reasons articulated above with respect to Claim 1, and because of the additional features recited therein.

#### Claim 12

Independent Claim 12 is of different scope than the other independent claims and Applicant requests the Examiner to separately evaluate the patentability of Claim 12 in light of the arguments set forth below.

In particular, Claim 12 is directed to a system for altering the setpoint on a thermostat for space conditioning of a structure comprising at least one thermostat

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

having at least one temperature setting associated with the presence of one or more occupants in a structure, and at least one temperature setting associated with the absence of occupants in said structure.

In addition, Claim 12 comprises one or more electronic devices having at least a graphic user interface comprising a display. The networked electronic devices receive input from one or more users. Also, use of the networked electronic devices comprises at least one of cursor movement, keystrokes or other user interface actions intended to alter a state of one or more of said electronic devices by one or more users.

Lack of use of said networked electronic devices indicates non-occupancy of said structure.

Furthermore, the networked electronic devices, the thermostat and an application comprising one or more computer processors are in communication with a network. The application provides electronic notice to one or more of said users of said networked electronic devices of a determination of non-occupancy.

Moreover, the setpoint on said thermostat is adjusted from said temperature setting associated with the presence of one or more occupants in said structure to said temperature setting associated with the absence of occupants in said structure based upon user response to said notice.

Because Williams fails to teach these concepts, Applicant respectfully submits that Claim 12 is patentably distinct from the cited references and Applicant respectfully requests allowance of Claim 12.

Claims 13-18 and 20-22

Claims 13-18 and 20-22 depend from Claim 1 and are believed to be patentable for the same reasons articulated above with respect to Claim 1, and because of the additional features recited therein.

**Application No.:** 12/502,064  
**Filing Date:** July 13, 2009

**OTHER APPLICATIONS OF ASSIGNEE**

Applicant wishes to draw the Examiner's attention to the following applications of the present application's assignee:

<b>Inventors</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Attorney Docket No.</b>	<b>Title</b>
Steinberg et al.	60/963,183 Now Expired	08/03/07	EFACT.003PR	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	60/944,011 Now Expired	09/17/07	EFACT.005PR	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	12/183,990	07/31/08	EFACT.003A	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	12/183,949	07/31/08	EFACT.004A	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	12/211,733 Now Pat. 7,848,900	09/16/08	EFACT.005A	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	12/211,690	09/16/08	EFACT.006A	System And Method For Evaluating Changes In The Efficiency Of An HVAC System
Steinberg	61/215,816 Now Expired	05/11/09	EFACT.008PR	System, Method And Apparatus For Dynamically Variable Compressor Delay In Thermostat To Reduce Energy Consumption
Steinberg et al.	61/215,657 Now Expired	05/08/09	EFACT.009PR	System, Method And Apparatus For Just-In-Time Conditioning Using A Thermostat
Steinberg et al.	61/215,999 Now Expired	05/12/09	EFACT.007PR	System, Method And Apparatus For Identifying Manual Inputs To And Adaptive Programming Of A Thermostat
Cheung et al.	12/498,142	07/06/09	EFACT.010A	System And Method For Using Ramped Setpoint Temperature Variation With Networked Thermostats To Improve Efficiency
Steinberg et al.	12/773,690	05/04/10	EFACT.009A	System, Method And Apparatus For Just-In-Time Conditioning Using A Thermostat
Steinberg	12/774,580	05/05/10	EFACT.008A	System, Method And Apparatus For Dynamically Variable Compressor Delay In Thermostat To Reduce Energy Consumption

**Application No.:** 12/502,064  
**Filing Date:** July 13, 2009

<b>Inventors</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Attorney Docket No.</b>	<b>Title</b>
Steinberg et al.	12/778,052	05/11/10	EFACT.007A	System, Method And Apparatus For Identifying Manual Inputs To And Adaptive Programming Of A Thermostat
Steinberg	12/788,246	05/26/10	EFACT.012A	System And Method For Using A Mobile Electronic Device To Optimize An Energy Management System
Steinberg	12/860,821	08/20/10	EFACT.013A	System And Method For Optimizing Use Of Plug-In Air Conditioners And Portable Heaters
Steinberg et al.	12/959225	12/02/10	EFACT.005C1	System And Method For Calculating The Thermal Mass Of A Building

Applicant notes that cited references, office actions, responses and notices of allowance currently exist or will exist for the above-referenced matters. Applicant also understands that the Examiner has access to sophisticated online Patent Office computing systems that provide ready access to the full file histories of these matters including, for example, specifications, drawings, pending claims, cited art, office actions, responses, declarations, and notices of allowance.

Rather than submit copies these file histories, Applicant respectfully requests that the Examiner continue to review these file histories online for past, current, and future information about these matters.

Also, if the Examiner cannot readily access these file histories, the Applicant would be pleased to provide any portion of any of the file histories at any time upon specific Examiner request.

#### **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Submitted concurrently herewith is a Supplemental Information Disclosure Statement citing 16 new references. Applicant respectfully requests the Examiner to consider the pending claims in connection with these references in order to make the references of record.

Application No.: 12/502,064  
Filing Date: July 13, 2009

**NO DISCLAIMERS OR DISAVOWALS**

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application.

Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution.

Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

**CONCLUSION**

Applicant has endeavored to address all of the Examiner's concerns as expressed in the outstanding Office Action. In light of the above remarks, reconsideration and withdrawal of the outstanding rejections is specifically requested. Also, please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2-7-2011

By: John R. King  
John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

**INFORMATION DISCLOSURE STATEMENT**

Applicant : John Douglas Steinberg  
App. No : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR USING A NETWORKED  
ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR  
AN ENERGY MANAGEMENT SYSTEM  
Examiner : Robertson, David  
Art Unit : 2121  
Conf No. : 5514

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing sixteen (16) references, of which two (2) are enclosed/submitted.

This Information Disclosure Statement is being filed before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,  
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2-7-2011

By: John R. King  
John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20995  
(949) 760-0404



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	2121
(Multiple sheets used when necessary)	Examiner	Robertson, David
SHEET 1 OF 1	Attorney Docket No.	EFACT.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,136,732	01-1979	Demaray et al.	
	2	4,341,345	07-1982	Hammer et al.	
	3	4,655,279	04-1987	Harmon	
	4	5,244,146	09-1993	Jefferson et al.	
	5	5,270,952	12-1993	Adams et al.	
	6	5,314,004	05-1994	Strand et al.	
	7	5,462,225	10-1995	Massara et al.	
	8	5,544,036	08-1996	Brown et al.	
	9	5,555,927	09-1996	Shah	
	10	5,818,347	10-06-1998	Dolan et al.	
	11	6,260,765	07-2001	Natale et al.	
	12	7,644,869	01-2010	Hoglund et al.	
	13	2009/0099699 A1	04-16-2009	Steinberg et al.	
	14	2009/0125151 A1	05-14-2009	Steinberg et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	15	Honeywell Programmable Thermostat Owner's Guide, www.honeywell.com/yourhome	
	16	Honeywell, "W7600/W7620 Controller Reference Manual, HW0021207, October, 1992	

10651795:ad  
020411

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12502064
<b>Filing Date:</b>	13-Jul-2009
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Filer:</b>	John R. King/Amy Durrant
<b>Attorney Docket Number:</b>	EFACT.011A

Filed as Small Entity

### Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				
Extension - 1 month with \$0 paid	0170 2251	1	65	65

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
Submission- Information Disclosure Stmt	1806	1	180	180
<b>Total in USD (\$)</b>				<b>245</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	9386615
<b>Application Number:</b>	12502064
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5514
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Customer Number:</b>	20995
<b>Filer:</b>	John R. King/Quyen Lieu
<b>Filer Authorized By:</b>	John R. King
<b>Attorney Docket Number:</b>	EFACT.011A
<b>Receipt Date:</b>	07-FEB-2011
<b>Filing Date:</b>	13-JUL-2009
<b>Time Stamp:</b>	17:43:00
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$245
RAM confirmation Number	4692
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 01172 (Patent application and reexamination processing fees)

<b>File Listing:</b>					
<b>Document Number</b>	<b>Document Description</b>	<b>File Name</b>	<b>File Size(Bytes)/ Message Digest</b>	<b>Multi Part /.zip</b>	<b>Pages (if appl.)</b>
1	NPL Documents	EFACT-011A_REF15.pdf	2407105 c402995c5687420cb7aa2ea16be395e01a06a807	no	64
<b>Warnings:</b>					
<b>Information:</b>					
2	NPL Documents	EFACT-011A_REF16.pdf	1761303 6fae0ef9e051604922c48d16244b9800e487c643	no	32
<b>Warnings:</b>					
<b>Information:</b>					
3		EFACT-011A_response.pdf	443296 d2f06421cda757abdae76f823ba9d8ea6c584b26	yes	11
	<b>Multipart Description/PDF files in .zip description</b>				
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	5	
	Applicant summary of interview with examiner		6	6	
	Applicant Arguments/Remarks Made in an Amendment		7	11	
<b>Warnings:</b>					
<b>Information:</b>					
4		EFACT-011A_ids.pdf	96116 6b562dab911bd4e4245593ccd6a232027037e1d0	yes	2
	<b>Multipart Description/PDF files in .zip description</b>				
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Transmittal Letter		1	1	
Information Disclosure Statement (IDS) Filed (SB/08)		2	2		
<b>Warnings:</b>					
<b>Information:</b>					
5	Fee Worksheet (PTO-875)	fee-info.pdf	32553 72f4ab18f22b7e3bcadc00fc717dc113441ea43b	no	2
<b>Warnings:</b>					
0173					

<b>Information:</b>	
<b>Total Files Size (in bytes):</b>	4740373
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p>	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>PATENT APPLICATION FEE DETERMINATION RECORD</b> Substitute for Form PTO-875	Application or Docket Number <b>12/502,064</b>	Filing Date <b>07/13/2009</b>	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY			
	(Column 1)	(Column 2)	SMALL ENTITY <input checked="" type="checkbox"/>	OR		
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (j), or (m))</small>	N/A	N/A	N/A		N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(j))</small>	minus 20 =	*	X \$ =	OR	X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =		X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).					
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>						
			TOTAL		TOTAL	

\* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY			
	(Column 1)	(Column 2)	(Column 3)					
AMENDMENT	<b>02/07/2011</b>	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	* 20	Minus ** 22	= 0	X \$26 =	0	OR	X \$ =
	Independent <small>(37 CFR 1.16(h))</small>	* 2	Minus ***3	= 0	X \$110 =	0	OR	X \$ =
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR	
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR	
					TOTAL ADD'L FEE	<b>0</b>	OR	TOTAL ADD'L FEE

	(Column 1)	(Column 2)	(Column 3)					
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	*	Minus **	=	X \$ =		OR	X \$ =
	Independent <small>(37 CFR 1.16(h))</small>	*	Minus ***	=	X \$ =		OR	X \$ =
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR	
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR	
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".  
 \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:  
/DEBRA a. SAVOY/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 12/502,064, 07/13/2009, John Douglas Steinberg, EFACT.011A, 5514
Row 2: 20995, 7590, 12/23/2010, KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA 92614, EXAMINER ROBERTSON, DAVID, ART UNIT 2121, PAPER NUMBER, NOTIFICATION DATE 12/23/2010, DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

- jcartee@kmob.com
efiling@kmob.com
eOAPilot@kmob.com



<b><i>Interview Summary</i></b>	<b>Application No.</b> 12/502,064	<b>Applicant(s)</b> STEINBERG, JOHN DOUGLAS	
	<b>Examiner</b> Dave Robertson	<b>Art Unit</b> 2121	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Dave Robertson. (3) John Steinberg (Applicant/Inventor).  
(2) Atty John King (Reg. No. 34,362). (4) \_\_\_\_\_.

Date of Interview: 17 December 2010.

Type: a)  Telephonic b)  Video Conference  
c)  Personal [copy given to: 1)  applicant 2)  applicant's representative]

Exhibit shown or demonstration conducted: d)  Yes e)  No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 1.

Identification of prior art discussed: Williams et al. (5,977,964).

Agreement with respect to the claims f)  was reached. g)  was not reached. h)  N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

/Dave Robertson/  
Examiner, Art Unit 2121

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Discussed general position of Inventor's company Ecofactor in the energy management software services sector, particularly for residential energy consumption management. Discussed Williams et al. as similar in principle to detecting and identifying a particular user by usage patterns of electronic and other appliances, applying user profile settings to set temperature and other environment parameters as potentially distinct from invention in that Williams does not seek to use non-traditional means for non-occupancy detection, i.e. to determine when a residence is un-occupied based on lack of determined usage pattern. As disclosed in ¶[0039] of the original specification, Applicant calls attention to detection of non-occupancy by determination of usage patterns and confirmation (or non-confirmation) of non-occupancy as have utility in determining whether to apply HVAC settings that are "intended to apply when the home is unoccupied..." by retrieving from a database "the user's specific preferences for how to handle the situation." Examiner suggested the phrases "intended to apply" and "handle the situation" suggest features discussed in interview of the invention using profile and historical data with a user confirmation to better determine whether non-occupancy is the present situation and non-occupancy energy savings management actions are intended be applied, but that may be insufficiently presently described to enable a claim incorporating a step of such determination as no algorithm for the determining of the situation is explicitly provided. Examiner indicated comparison to traditional means of non-occupancy detection (motion detectors, light switches) may read (broadly) on claim 1 as currently presented with no further distinction on "use" within "use of said networked electronic devices..." even if claiming such use as "indicates non-occupancy." No claim amendments were specifically discussed and no agreements reached presently on applicability of Williams et al. alone or in part or as to enablement of any feature or patentability over Williams or other prior art of record or in the art, however, Examiner indicated upon review of response and after further search on amended claims and aspects claimed and better understood as result of interview, further interview before a final response may be productive and that if desired Applicant on response should so indicate.



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Table with 4 columns: APPLICATION NUMBER (12/502,064), FILING OR 371(C) DATE (07/13/2009), FIRST NAMED APPLICANT (John Douglas Steinberg), ATTY. DOCKET NO./TITLE (EFACT.011A)

CONFIRMATION NO. 5514

PUBLICATION NOTICE



20995
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

Title: SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM

Publication No. US-2010-0280667-A1

Publication Date: 11/04/2010

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently http://pair.uspto.gov/. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/502,064	07/13/2009	John Douglas Steinberg	EFACT.011A	5514
20995	7590	10/07/2010	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614			ROBERTSON, DAVID	
			ART UNIT	PAPER NUMBER
			2121	
			NOTIFICATION DATE	DELIVERY MODE
			10/07/2010	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com  
efiling@kmob.com  
eOAPilot@kmob.com



### DETAILED ACTION

1. This is a Non-final First Office Action on the Merits. Claims 1-7, 9-18, and 20-22 as amended by Preliminary Amendment received 7/07/2010 are examined herein.

#### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-7, 9-18, and 20-22 rejected under 35 U.S.C. 102(b) as being anticipated by Williams et al. (US Pat. No. 5,977,864).

#### Claim 1

Williams et al. teaches **a method for varying temperature setpoints for an HVAC system comprising:**

**determining whether one or more networked electronic devices inside a structure are in use** (column 5, lines 31-40: determined from user activating a system device, e.g. television, which is networked; see also Figures 1 and 7 (706));

**determining whether said use of said networked electronic devices indicates occupancy of said structure** (Figure 7 (706); column 5, lines 31-40; Figure 3; column 9, lines 17-59: noting that “occupancy” of a user is assumed if the user is present);

**and adjusting the temperature setpoint on a thermostatic controller for an HVAC system for said structure based upon whether or not said structure is deemed to be occupied** (see column 6, lines 50-67: storing a "wide range of configurable options" in the user profile database, including (column 6, lines 45-65), "general purpose control outputs which may configured to control...thermostat settings", such that thermostat settings may be set according to the "configurable options in accordance with the preferences of the identified user" (column 15, lines 46-63, esp. lines 57-59 ) when detected by the "detection module" (i.e. when the structure containing the system device, e.g. the television, is "occupied"))).

Claims 2-4 and 6

Williams et al. teaches **the method of Claim 1 in which said networked electronic device is a television** (Figure 8 "TELEVISION"); ... **a personal computer** (Figure 8 "COMPUTER"); ... **connected to the Internet** (Figure 8 "COMPUTER/INTERNET"); ... **a game console** (Figure 8 "COMPUTER-INTERNET-GAMES" (i.e. the computer connected to the Internet functioning as a "game console").

Claim 5

Williams et al. teaches **the method of Claim 1 in which programming being watched or listened to using said networked electronic device is used to determine which occupant of said structure is likely to be present** (column 5, lines 31-40; Figure 3; column 9, lines 17-59), **and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said networked electronic device** (see column 6, lines 45-65), "general



Art Unit: 2121

purpose control outputs which may configured to control...thermostat settings”, such that thermostat settings may be set according to the “configurable options in accordance with the preferences of the identified user” (column 15, lines 46-63, esp. lines 57-59 ) when detected by the “detection module” (i.e. when the structure containing the system device, e.g. the television, is “occupied”).

Claims 7, 9, and 10

Williams et al. teaches **the method of Claim 1, in which said networked electronic device communicates with a remote server** (column 15, lines 16-22); ... **in which said adjusting of said temperature setpoints is initiated by a remote computer** (Figure column line); ... **which [are] varied automatically** (column 12, line 29-35: i.e. each time a new user is (automatically) detected)).

Claim 11

Williams et al. teaches **the method of Claim 1 in which an occupant is prompted to confirm occupancy prior to the adjusting of said temperature setpoint** (column 10, lines 26-41).

Claims 12-22 recite *systems* substantially for performing the methods of claims 1-7 and 9-11, and are similarly rejected for reasons given above, for the respective claim and claim elements, and further that Williams et al. teaches a *system* (Figure 7).

***Conclusion***

4. The prior art made of record and listed on the attached PTO Form 892 but not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2121

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dave Robertson whose telephone number is (571)272-8220. The examiner can normally be reached on 9 am to 5 pm, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dave Robertson/  
Examiner, Art Unit 2121

<b>Notice of References Cited</b>	Application/Control No. 12/502,064	Applicant(s)/Patent Under Reexamination STEINBERG, JOHN DOUGLAS	
	Examiner Dave Robertson	Art Unit 2121	Page 1 of 2

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,682,949 A	11-1997	Ratcliffe et al.	165/209
*	B	US-5,977,964 A	11-1999	Williams et al.	715/721
*	C	US-6,912,429 B1	06-2005	Bilger, Brent	700/19
*	D	US-2006/0045105 A1	03-2006	Dobosz et al.	370/401
*	E	US-7,061,393 B2	06-2006	Buckingham et al.	340/693.3
*	F	US- H,002,176 H	12-2006	Meyer et al.	236/51
*	G	US-2007/0146126 A1	06-2007	Wang, Ling	340/517
*	H	US-7,242,988 B1	07-2007	Hoffberg et al.	700/28
*	I	US-7,260,823 B2	08-2007	Schlack et al.	725/9
*	J	US-2008/0281472 A1	11-2008	Podgorny et al.	700/276
*	K	US-7,483,964 B1	01-2009	Jackson et al.	709/221
*	L	US-2009/0052859 A1	02-2009	Greenberger et al.	386/46
*	M	US-2010/0162285 A1	06-2010	Cohen et al.	725/12

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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	V	
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\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<b>Notice of References Cited</b>	Application/Control No. 12/502,064	Applicant(s)/Patent Under Reexamination STEINBERG, JOHN DOUGLAS	
	Examiner Dave Robertson	Art Unit 2121	Page 2 of 2

**U.S. PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-2010/0156608 A1	06-2010	BAE et al.	340/10.5
	B US-			
	C US-			
	D US-			
	E US-			
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			

**FOREIGN PATENT DOCUMENTS**

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	O				
	P				
	Q				
	R				
	S				
	T				

**NON-PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	U				
	V				
	W				
	X				

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>		Examiner
SHEET 1 OF 1		Attorney Docket No. EFACT.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	2009/0099699 A1	04-16-2009	Steinberg et al.	
	2	2009/0125151 A1	05-14-2009	Steinberg et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	3	Honeywell Programmable Thermostat Owner's Guide, www.honeywell.com/yourhome	

9298210  
070210

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DCR/

Examiner Signature	/Dave Robertson/ (09/28/2010)	Date Considered	09/28/2010
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
(Multiple sheets used when necessary)	Examiner	
SHEET 1 OF 4	Attorney Docket No.	JSTEIN.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,403,644	09-13-1983	Hebert, Raymond T.	
	2	4,674,027	06-16-1987	Thomas J. Beckey	
	3	5,572,438	11-05-1996	Ehlers, et al.	
	4	5,717,609	02-10-1998	Packa, et al.	
	5	6,145,751	11-14-2000	Ahmed	
	6	6,178,362	01-23-2001	Woolard, et al.	
	7	6,351,693	02-26-2002	Monie	
	8	6,400,996	06-04-2002	Hoffberg, et al.	
	9	6,437,692	08-20-2002	Petite, et al.	
	10	6,478,233	11-12-2002	Shah	
	11	6,480,803	11-12-2002	Pierret, et al.	
	12	6,483,906	11-19-2002	Lggulden, et al.	
	13	6,536,675	03-25-2003	Pesko, et al.	
	14	6,542,076	04-01-2003	Joao	
	15	6,549,130	04-15-2003	Joao	
	16	6,574,537	06-02-2003	Kipersztok, et al.	
	17	6,580,950	06-17-2003	Johnson	
	18	6,594,825	07-15-2003	Goldschmidtiki, et al.	
	19	6,595,430	07-22-2003	Shah	
	20	6,598,056	07-22-2003	Hull, et al.	
	21	6,619,555	09-16-2003	Howard B. Rosen	
	22	6,622,097	09-16-2003	Robert R. Hunter	
	23	6,622,115	09-16-2003	Brown, et al.	
	24	6,622,925	09-23-2003	Carner, et al.	
	25	6,622,926	09-23-2003	Sartain, et al.	
	26	6,628,997	09-30-2003	Fox, et al.	
	27	6,633,823	10-14-2003	Bartone, et al.	
	28	6,643,567	11-04-2003	Kolk et al.	
	29	6,671,586	12-30-2003	Davis, et al.	

Examiner Signature	Date Considered
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**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
(Multiple sheets used when necessary)	Examiner	
SHEET 2 OF 4	Attorney Docket No.	JSTEIN.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	6,695,218	02-24-2004	Fleckenstein	
	31	6,726,113	04-27-2004	Guo	
	32	6,731,992	05-04-2004	Ziegler	
	33	6,734,806	05-11-2004	Cratsley	
	34	6,772,052	08-03-2004	Amundsen	
	35	6,785,592	08-31-2004	Smith	
	36	6,785,630	08-31-2004	Kolk	
	37	6,789,739	09-14-2004	Howard Rosen	
	38	6,853,959	02-08-2005	Ikeda, et al.	
	39	6,868,293	03-15-2005	Schurr	
	40	6,868,319	03-15-2005	Kipersztok, et al.	
	41	6,882,712	04-19-2005	Iggulden, et al.	
	42	6,889,908	05-10-2005	Crippen, et al.	
	43	6,891,838	10-10-2005	Petite, et al.	
	44	6,991,029	01-31-2006	Orfield, et al.	
	45	7,009,493	03-07-2006	Howard	
	46	7,031,880	04-18-2006	Seem, et al.	
	47	7,039,532	05-02-2006	Hunter	
	48	7,089,088	08-08-2006	Terry, et al.	
	49	7,130,719	10-31-2006	Ehlers, et al.	
	50	7,130,832	10-31-2006	Bannai, et al.	
	51	7,167,079	01-23-2007	Smyth, et al.	
	52	7,187,986	03-06-2007	Johnson, et al.	
	53	7,205,892	04-17-2007	Luebke, et al.	
	54	7,215,746	05-08-2007	Iggulden, et al.	
	55	7,216,015	05-08-2007	Poth, Robert J.	
	56	7,231,424	06-11-2007	Bodin, et al.	
	57	7,232,075	06-19-2007	Rosen	
	58	2003/0040934 A1	02-27-2003	Skidmore, et al.	

Examiner Signature	Date Considered
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**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>		Examiner
SHEET 3 OF 4		Attorney Docket No. JSTEIN.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	59	2005/0222889 A1	10-06-2005	Lai, et al.	
	60	2005/0288822 A1	12-29-2005	Rayburn, Ronald	
	61	2007/0043477 A1	02-22-2007	Elhers, et al.	
	62	2008/0083234 A1	04-10-2008	Krebs et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document <i>Country Code-Number-Kind Code</i> Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	63	ARNES, FEDERSPEIL, WANG, HUIZENGA., How Ambient Intelligence Will Improve Habitability and Energy Efficiency in Buildings, 2005, research paper., Center for the Built Environment. Controls and Information Technology	
	64	Comverge SuperStat Flyer	
	65	Control4 Wireless Thermostat Brochure	
	66	Cooper Power Systems Web Page	
	67	Enernoc Web Page	
	68	Enerwise Website	
	69	JOHNSON CONTORLS, Touch4 building automation system brochure, 2007	
	70	KILICOTTE, PIETTE, WATSON, , Dynamic Controls for Energy Efficiency and Demand Response: Framework Concepts and a New Construction Study Case in New York, Proceedings of the 2006 ACEEE Summer Study of Energy Efficiency in Buildings, Pacific Grove. CA., August 13-18, 2006	
	71	LIN, AUSLANDER and FEDERSPEIL, "Multi-Sensor Single-Actuator Control of HVAC Systems", 2002	
	72	PIER, Southern California Edison., Deman Responsive Control of Air Conditioning via Programmable Communicating Thermostats Draft Report	
	73	Proliphix Thermostat Brochure	

Examiner Signature	Date Considered
--------------------	-----------------

**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>	Examiner	
SHEET 4 OF 4	Attorney Docket No.	JSTEIN.011A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	74	WANG, ARENS, FEDERSPIEL., "Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor networks in Buildings," (2003), Center for Environmental Design Research	
	75	WETTER, WRIGHT, A comparison of deterministic and probabilistic optimization algorithms for nonsmooth simulation-based optimization., Building and Environment 39, 2004, Pages 989-999	

8280885  
121809

Examiner Signature	/Dave Robertson/ (09/28/2010)	Date Considered	09/28/2010
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**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


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**BIB DATA SHEET**
**CONFIRMATION NO. 5514**

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
12/502,064	07/13/2009	700	2121	EFACT.011A		
<b>APPLICANTS</b> John Douglas Steinberg, Millbrae, CA;						
** <b>CONTINUING DATA</b> ***** This appln claims benefit of 61/134,714 07/14/2008						
** <b>FOREIGN APPLICATIONS</b> *****						
** <b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED</b> ** ** SMALL ENTITY ** 07/22/2009						
Foreign Priority claimed 35 USC 119(a-d) conditions met Verified and Acknowledged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No /DAVE ROBERTSON/ Examiner's Signature	<input type="checkbox"/> Met after Allowance Initials	<b>STATE OR COUNTRY</b> CA	<b>SHEETS DRAWINGS</b> 8	<b>TOTAL CLAIMS</b> 22	<b>INDEPENDENT CLAIMS</b> 2
<b>ADDRESS</b> KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614 UNITED STATES						
<b>TITLE</b> SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM						
<b>FILING FEE RECEIVED</b> 879	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit			

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	55	(US-20090125151-\$ or US-20090099699-\$ or US-20100123560-\$ or US-20100019051-\$ or US-20090284344-\$ or US-20090140838-\$ or US-20080281472-\$ or US-20070146126-\$ or US-20070040672-\$ or US-20070008149-\$ or US-20060267780-\$ or US-20040155781-\$ or US-20100156608-\$ or US-20100138007-\$ or US-20090055403-\$ or US-20060283938-\$ or US-20040178889-\$ or US-20040231003-\$). did. or (US-6912429-\$ or US-6851621-\$ or US- 5682949-\$ or US- 6145751-\$ or US- H002176-\$ or US- 6549130-\$ or US- 6542076-\$ or US- 6351693-\$ or US- 6549816-\$ or US- 6671586-\$ or US- 6643567-\$ or US- 6633823-\$ or US- 6628997-\$ or US- 6622926-\$ or US- 6622925-\$ or US- 6622097-\$ or US- 6619555-\$ or US- 6598056-\$ or US- 6595430-\$ or US- 6594825-\$ or US- 6574537-\$ or US- 6536675-\$ or US- 6480803-\$ or US- 6437692-\$ or US- 6400996-\$ or US- 6178362-\$).did. or (US- 5717609-\$ or US- 5572438-\$ or US- 4674027-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/29 09:34

		4403644-\$ or US-7354005-\$ or US-7392042-\$ or US-7248170-\$ or US-7027617-\$ or US-6633223-\$ or US-7061393-\$).did. or (WO-2009069998-\$).did.				
L8	0	(11/183602).APP.	USPAT; USOCR	ADJ	ON	2010/09/29 09:57
L11	1138	((television or TV! or video) with (channel or media or program\$4 or content)) same ((unoccup\$3 or occupied or occupancy or presence)) same (((who! or person or user or individual or viewer or occupant or identity) with (identi\$6 or recogni\$7 or determin\$ or detect \$))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/29 10:00
L13	631	((television or TV! or video) with (channel or media or program\$4 or content)) same ((unoccup\$3 or occupied or occupancy or presence) with (detect\$ or determin\$ or recogniz\$)) same (((who! or person or user or individual or viewer or occupant or identity) with (identi\$6 or recogni\$7 or determin\$ or detect \$))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/29 10:04
L14	96	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control \$4 or setting or set \$1point) and I13	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/29 10:09
L15	2	"5977964".pn.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/29 10:41

L17	2	((((television or TV! or video) (channel or media or program\$4 or content)) ((unoccup\$3 or occupied or occupancy or presence) (detect\$ or determin\$ or recogniz\$)) ((who! or person or user or individual or viewer or occupant or identity) (identi\$6 or recogni\$7 or determin\$ or detect\$)))) and I15	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/29 10:46
L18	1	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control \$4 or setting or set \$1point) and I17	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/29 10:48
L19	214	("5977964").URPN.	USPAT	ADJ	ON	2010/09/29 10:50
L20	214	((((television or TV! or video) (channel or media or program\$4 or content)) ((unoccup\$3 or occupied or occupancy or presence) (detect\$ or determin\$ or recogniz\$)) ((who! or person or user or individual or viewer or occupant or identity) (identi\$6 or recogni\$7 or determin\$ or detect\$)))) and I19	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/29 10:50
L22	13	(temperature or thermostat or environment\$2 or HVAC! or heating or cooling) with (control \$4 or setting or set \$1point) and I20	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/29 10:51
L23	9	(temperature or thermostat or HVAC! or heating or cooling) with (control\$4 or setting or set\$1point) and I20	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/29 10:55

S4	0	"12502064".rlan. or ("12".src. and "502064".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2010/09/23 21:08
S5	0	"61134714".rlan. or ("61".src. and "134714".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2010/09/23 21:08
S6	53	((JOHN) near2 (STEINBERG)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/09/23 21:08
S7	57	("20090099699"   "20090125151"   "4403644"   "4674027"   "5572438"   "5717609"   "6145751"   "6178362"   "6351693"   "6400996"   "6437692"   "6480803"   "6536675"   "6542076"   "6549130"   "6574537"   "6594825"   "6595430"   "6598056"   "6619555"   "6622097"   "6622925"   "6622926"   "6628997"   "6633823"   "6643567"   "6671586").PN.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2010/09/28 20:45
S8	387	700/276.cor.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/09/28 21:03
S9	30	("236"/\$ "700"/\$ "340"/ \$).ccls.	US-PGPUB; USPAT; DERWENT	AND	ON	2010/09/28 21:05
S10	208264	("236"/\$ "700"/\$ "340"/ \$).ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:05
S11	12	(unoccup\$3 or occup \$3 or occupancy) and S9	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:06
S13	131640	(unoccup\$3 or occup \$3 or occupancy or presence) with (who! or person or user! or identi\$2)	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:09
S15	4	S13 and S11	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:09


S16	5	S13 and S9	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:09
S17	6	S13 and S7	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:09
S18	11	S15 or S16 or S17	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:09
S19	8161	(unoccup\$3 or occup \$3 or occupancy or presence) same ((who! or person or user! or identity) with (identify or recognize))	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:11
S20	716	S19 and S10	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:11
S21	1	S19 and S9	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:11
S22	1	S19 and S7	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:12
S23	12	("6145751").URPN.	USPAT	ADJ	ON	2010/09/28 21:13
S24	0	("H002176").URPN.	USPAT	ADJ	ON	2010/09/28 21:15
S25	27	("20090099699"   "20090125151"   "4403644"   "4674027"   "5572438"   "5717609"   "6145751"   "6178362"   "6351693"   "6400996"   "6437692"   "6480803"   "6536675"   "6542076"   "6549130"   "6574537"   "6594825"   "6595430"   "6598056"   "6619555"   "6622097"   "6622925"   "6622926"   "6628997"   "6633823"   "6643567"   "6671586").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/28 21:18

S26	953	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity) with (identify or recognize))).ti,ab,clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:22
S27	95	S10 and S26	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:22
S30	4721	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity or individual) with (identif\$5 or recogni\$7))).ti,ab,clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:33
S31	334	S30 and S10	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:34
S32	2362	((unoccup\$3 or occup\$3 or occupancy or presence) same ((who! or person or user! or identity or individual) near3 (identif\$5 or recogni\$7))).ti,ab,clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:34
S33	174	S32 and S10	US-PGPUB; USPAT; DERWENT	OR	ON	2010/09/28 21:34
S37	1	(television near5 (in\$1-use or usage or turned adj on)) and S30	US-PGPUB; USPAT; DERWENT	AND	ON	2010/09/28 21:43
S38	8	((video or television or TV! or DVD!) near5 (in\$1-use or usage or turned adj on)) and S30	US-PGPUB; USPAT; DERWENT	AND	ON	2010/09/28 21:43
S39	1	(10/672712).APP.	USPAT; USOCR	ADJ	ON	2010/09/28 21:45

9/ 29/ 2010 11:03:56 AM

C:\ Documents and Settings\ drobertson2\ My Documents\ EAST\ Workspaces\ 12502064  
Steinberg energy use monitor tv viewing habits.wsp



<b>Index of Claims</b>  	<b>Application/Control No.</b>  12502064	<b>Applicant(s)/Patent Under Reexamination</b>  STEINBERG, JOHN DOUGLAS
	<b>Examiner</b>  Dave Robertson	<b>Art Unit</b>  2121

✓	<b>Rejected</b>
=	<b>Allowed</b>


-	<b>Cancelled</b>
÷	<b>Restricted</b>

N	<b>Non-Elected</b>
I	<b>Interference</b>

A	<b>Appeal</b>
O	<b>Objected</b>

Claims renumbered in the same order as presented by applicant
  CPA
  T.D.
  R.1.47

CLAIM		DATE							
Final	Original	09/28/2010							
	1	✓							
	2	✓							
	3	✓							
	4	✓							
	5	✓							
	6	✓							
	7	✓							
	8	-							
	9	✓							
	10	✓							
	11	✓							
	12	✓							
	13	✓							
	14	✓							
	15	✓							
	16	✓							
	17	✓							
	18	✓							
	19	-							
	20	✓							
	21	✓							
	22	✓							

<b>Search Notes</b>  	<b>Application/Control No.</b>  12502064	<b>Applicant(s)/Patent Under Reexamination</b>  STEINBERG, JOHN DOUGLAS
	<b>Examiner</b>  Dave Robertson	<b>Art Unit</b>  2121

<b>SEARCHED</b>			
<b>Class</b>	<b>Subclass</b>	<b>Date</b>	<b>Examiner</b>
700	276	9/28/2010	dcr

<b>SEARCH NOTES</b>		
<b>Search Notes</b>	<b>Date</b>	<b>Examiner</b>
EAST (USPAT, PgPUB, Derwent - see complete search history in application file)	9/29/2010	dcr
"236"/\$ "700"/\$ "340"/\$ (text-limited and cross-classification search - see search history)	9/28/2010	dcr

<b>INTERFERENCE SEARCH</b>			
<b>Class</b>	<b>Subclass</b>	<b>Date</b>	<b>Examiner</b>

/Dave Robertson/  
Examiner.Art Unit 2121



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Table with 4 columns: APPLICATION NUMBER (12/502,064), FILING OR 371(C) DATE (07/13/2009), FIRST NAMED APPLICANT (John Douglas Steinberg), ATTY. DOCKET NO./TITLE (EFACT.011A)

CONFIRMATION NO. 5514

NONPUBLICATION RESCISSION LETTER



20995
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

Date Mailed: 07/26/2010

Communication Regarding Rescission Of Nonpublication Request and/or Notice of Foreign Filing

Applicant's rescission of the previously-filed nonpublication request and/or notice of foreign filing is acknowledged. The paper has been reflected in the Patent and Trademark Office's (USPTO's) computer records so that the earliest possible projected publication date can be assigned.

The projected publication date is 11/04/2010.

If applicant rescinded the nonpublication request before or on the date of "foreign filing,"1 then no notice of foreign filing is required.

If applicant foreign filed the application after filing the above application and before filing the rescission, and the rescission did not also include a notice of foreign filing, then a notice of foreign filing (not merely a rescission) is required to be filed within 45 days of the date of foreign filing. See 35 U.S.C. § 122(b)(2)(B)(iii), and Clarification of the United States Patent and Trademark Office's Interpretation of the Provisions of 35 U.S.C. § 122(b)(2)(B)(ii)-(iv), 1272 Off. Gaz. Pat. Office 22 (July 1, 2003).

If a notice of foreign filing is required and is not filed within 45 days of the date of foreign filing, then the application becomes abandoned pursuant to 35 U.S.C. § 122(b)(2)(B)(iii). In this situation, applicant should either file a petition to revive or notify the Office that the application is abandoned. See 37 CFR 1.137(f). Any such petition to revive will be forwarded to the Office of Petitions for a decision. Note that the filing of the petition will not operate to stay any period of reply that may be running against the application.

Questions regarding petitions to revive should be directed to the Office of Petitions at (571) 272-3282.

1 Note, for purpose of this notice, that "foreign filing" means "filing an application directed to the same invention in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing".

/tjkoontz/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/502,064	07/13/2009	John Douglas Steinberg	EFACT.011A

**CONFIRMATION NO. 5514**

**EARLY PUBLICATION REQUEST  
LETTER**

20995  
KNOBBE MARTENS OLSON & BEAR LLP  
2040 MAIN STREET  
FOURTEENTH FLOOR  
IRVINE, CA 92614



Date Mailed: 07/26/2010

**NOTICE REGARDING EARLY PUBLICATION REQUEST**

The request for voluntary publication, amended publication, early publication, redacted publication, republication, corrected publication or revised publication has been received for this application. The request, including payment of any necessary fee(s), is in compliance with 37 CFR 1.215, 1.217, 1.219 or 1.221.

The projected publication date is 11/04/2010.

/tjkoontz/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/502,064	07/13/2009	John Douglas Steinberg	EFACT.011A	5514
20995	7590	07/19/2010	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP			DECADY, ALBERT	
2040 MAIN STREET			ART UNIT	PAPER NUMBER
FOURTEENTH FLOOR			2121	
IRVINE, CA 92614			NOTIFICATION DATE	DELIVERY MODE
			07/19/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

- jcartee@kmob.com
- efiling@kmob.com
- eOAPilot@kmob.com



KNOBBE MARTENS OLSON & BEAR LLP  
2040 Main Street  
Fourteenth Floor  
Irvine CA 92614

In re Application of :  
STEINBERG, John : DECISION ON PETITION  
Application No. 12/502,064 : TO MAKE SPECIAL UNDER  
Filed: July 13, 2009 : THE GREEN TECHNOLOGY  
Attorney Docket No. EFACT.011A : PILOT PROGRAM

This is a decision on the renewed petition under 37 CFR 1.102, filed July 7, 2010, to make the above-identified application special under the pilot program for applications pertaining to Green Technologies as set forth in 74 Federal Register Notice 64666 (December 8, 2009) and amended by 75 Federal Register Notice 28554 (May 21, 2010).

The petition is **GRANTED**.

A grantable petition to make an application special under 37 CFR 1.102 and the pilot program as set forth in 74 FR 64666 must be directed to a nonprovisional application filed under 35 USC 111(a) or be a national stage entry under 35 USC 371, exclusive of any reissue applications and be filed prior to the date of the notice, December 8, 2009.

In order to qualify for special status, the following requirements must be met. 1) The application must have no more than 3 independent claims and no more than 20 total claims. 2) The application must not contain any multiple dependent claims. 3) The petition must state the basis for seeking special status, i.e., the claimed invention either: A) materially enhances the quality of the environment or B) materially contributes to: i) the discovery or development of renewable energy resources, ii) the more efficient utilization and conservation of energy resources, or iii) greenhouse gas emission reduction. 4) If the disclosure is not clear on its face that the claimed invention materially contributes under category (A) or (B), the petition must be accompanied by a statement by the applicant, assignee, or an attorney/agent registered to practice before the Office explaining how the materiality standard is met. 5) A statement that applicant will agree to make an election without traverse in a telephonic interview if a restriction requirement is made by the examiner. 6) The petition to make special must be filed electronically. 7) The petition must be filed at least one day prior to the date that a first Office Action appears in the Patent

Application Information Retrieval (PAIR) system. 8) The petition must be accompanied by a request for early publication in compliance with 37 CFR 1.219 and include the publication fee as set forth in 37 CFR 1.18(d).

The requirement for a fee for consideration of the petition to make special for applications pertaining to Green Technologies has been waived.

The instant petition complies with items 1 – 8 above. Accordingly, the above-identified application has been accorded “special” status.

The application is being forwarded to the Technology Center Art Unit 2121 for action on the merits commensurate with this decision.

Telephone inquires concerning this decision should be directed to Eddie C. Lee at 571-272-1732.

/Eddie C. Lee/

---

Eddie C. Lee  
Quality Assurance Specialist  
Technology Center 2100

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : John Douglas Steinberg  
App. No : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR  
USING A NETWORKED  
ELECTRONIC DEVICE AS AN  
OCCUPANCY SENSOR FOR AN  
ENERGY MANAGEMENT SYSTEM  
Art Unit : 3744  
Conf. No. : 5514

**PRELIMINARY AMENDMENT**

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Prior to the examination of the above-captioned application, please amend the application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.



### **AMENDMENTS TO THE CLAIMS**

Please cancel Claims 8 and 19 without prejudice or disclaimer.

1. (Original) A method for varying temperature setpoints for an HVAC system comprising:

determining whether one or more networked electronic devices inside a structure are in use;

determining whether said use of said networked electronic devices indicates occupancy of said structure; and

adjusting the temperature setpoint on a thermostatic controller for an HVAC system for said structure based upon whether or not said structure is deemed to be occupied.

2. (Original) The method of Claim 1 in which said networked electronic device is a television.

3. (Original) The method of Claim 1 in which said networked electronic device is a personal computer.

4. (Original) The method of Claim 1 in which said networked electronic device is connected to the Internet.

5. (Original) The method of Claim 1 in which programming being watched or listened to using said networked electronic device is used to determine which occupant of said structure is likely to be present, and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said networked electronic device.

6. (Original) The method of Claim 1 in which said networked electronic device is a game console.

7. (Original) The method of Claim 1 in which said networked electronic device communicates with a remote server.

8. (Canceled)
9. (Original) The method of Claim 1 in which said adjusting of said temperature setpoints is initiated by a remote computer.
10. (Original) The method of Claim 1 in which said temperature setpoints are varied automatically.
11. (Original) The method of Claim 1 in which an occupant is prompted to confirm occupancy prior to the adjusting of said temperature setpoint.
12. (Original) A system for altering the setpoint on a thermostat for space conditioning of a structure comprising:
  - at least one thermostat having at least one temperature setting associated with the presence of one or more occupants in a structure, and at least one temperature setting associated with the absence of occupants in said structure;
  - one or more electronic devices having at least a user interface;
  - wherein said electronic devices and said thermostat are connected to a network; and
  - wherein said setpoint on said thermostat is adjusted between said temperature setting associated with the presence of one or more occupants in said structure and said temperature setting associated with the absence of occupants in said structure based upon the use of said user interface for said electronic device.
13. (Original) The system of Claim 12 in which said electronic device is a television.
14. (Original) The system of Claim 12 in which said electronic device is a personal computer.
15. (Original) The system of Claim 12 in which said electronic device is connected to the Internet.

**Application No.: 12/502,064**

**Filing Date: July 13, 2009**

16. (Original) The system of Claim 12 in which the programming being watched or listened to using said networked electronic device is used to determine which occupant of said structure is likely to be using said networked electronic device, and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said networked electronic device.

17. (Original) The system of Claim 12 in which said networked electronic device is a game console.

18. (Original) The system of Claim 12 in which said networked electronic device communicates with a remote server.

19. (Canceled)

20. (Original) The system of Claim 12 in which variation of temperature setpoints is initiated by a remote computer.

21. (Original) The system of Claim 12 in which said temperature setpoints are varied automatically.

22. (Original) The system of Claim 12 in which an occupant is prompted to confirm occupancy prior to adjustment of said temperature setpoint.

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

**REMARKS**

Claims 1-22 were previously pending. In this preliminary amendment, Applicant has canceled Claims 8 and 19. Accordingly, a total of 20 Claims, Claims 1-7, 9-18, and 20-22 are currently pending.

The Applicant believes that this Preliminary Amendment places the application in conformance with the requirements for the Green Technology Pilot Program listed in PTO/SB/420, filed herewith, and 74 Fed. Reg. 64,666 (Dec. 8, 2009), as amended by 75 Fed. Reg. 28,544 (May 21, 2010).

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Submitted concurrently herewith is a Supplemental Information Disclosure Statement citing three new references. Applicant respectfully requests the Examiner to consider the pending claims in connection with these references in order to make the references of record.

**OTHER APPLICATIONS OF ASSIGNEE**

Applicant wishes to draw the Examiner's attention to the following applications owned by of the present application's assignee:

<b>Inventors</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Attorney Docket No.</b>	<b>Title</b>
Steinberg et al.	60/963,183 Now Expired	08/03/07	EFACT.003PR	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	60/944,011 Now Expired	09/17/07	EFACT.005PR	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	12/183,990	07/31/08	EFACT.003A	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction
Steinberg et al.	12/183,949	07/31/08	EFACT.004A	System And Method For Using A Network Of Thermostats As Tool To Verify Peak Demand Reduction

**Application No.:** 12/502,064  
**Filing Date:** July 13, 2009

Steinberg et al.	12/211,733	09/16/08	EFACT.005A	System And Method For Calculating The Thermal Mass Of A Building
Steinberg et al.	12/211,690	09/16/08	EFACT.006A	System And Method For Evaluating Changes In The Efficiency Of An Hvac System
Steinberg	61/215,816 Now Expired	05/11/09	EFACT.008PR	System, Method And Apparatus For Dynamically Variable Compressor Delay In Thermostat To Reduce Energy Consumption
Steinberg et al.	61/215,657 Now Expired	05/04/10	EFACT.009PR	System, Method And Apparatus For Just-In-Time Conditioning Using A Thermostat
Steinberg et al.	61/215,999 Now Expired	05/12/09	EFACT.007PR	System, Method And Apparatus For Identifying Manual Inputs To And Adaptive Programming Of A Thermostat
Cheung et al.	12/498,142	07/06/09	EFACT.010A	System And Method For Using Ramped Setpoint Temperature Variation With Networked Thermostats To Improve Efficiency
Steinberg et al.	12/773,690	05/04/10	EFACT.009A	System, Method And Apparatus For Just-In-Time Conditioning Using A Thermostat
Steinberg	12/774,580	05/05/10	EFACT.008A	System, Method And Apparatus For Dynamically Variable Compressor Delay In Thermostat To Reduce Energy Consumption
Steinberg et al.	12/778,052	05/11/10	EFACT.007A	System, Method And Apparatus For Identifying Manual Inputs To And Adaptive Programming Of A Thermostat
Steinberg	12/788,246	05/26/10	EFACT.012A	System And Method For Using A Mobile Electronic Device To Optimize An Energy Management System

Applicant notes that cited references, office actions, responses and notices of allowance currently exist or will exist for the above-referenced matters. Applicant also understands that the Examiner has access to sophisticated online Patent Office computing systems that provide ready access to the full file histories of these matters

**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

including, for example, specifications, drawings, pending claims, cited art, office actions, responses, declarations, and notices of allowance.

Rather than submit these file histories, Applicant respectfully requests that the Examiner continue to review these file histories online for past, current, and future information about these matters. Also, if the Examiner cannot readily access these file histories, the Applicant would be pleased to provide any portion of any of the file histories at any time upon specific Examiner request.

### **NO DISCLAIMERS OR DISAVOWALS**

The Applicant reserves the right to pursue claims directed to all or part of the subject matter described in the instant application, including the subject matter of any claims amended, withdrawn, or canceled at any time during the prosecution of this application, and thus, unclaimed subject matter is not dedicated to the public.

Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution.

Accordingly, reviewers of this or any parent, child, or related prosecution history shall not infer that the Applicant has made any disclaimers or disavowals of any subject matter supported by the present Application.

### **CONCLUSION**

The Examiner is cordially invited to contact the undersigned such that any remaining issues may be promptly resolved.

**Application No.:** 12/502,064  
**Filing Date:** July 13, 2009

Also, please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 7-7-2010

By: John R. King  
John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

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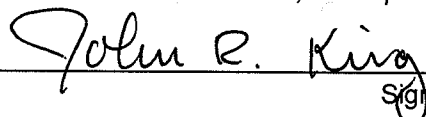
<b>RESCISSION OF PREVIOUS NONPUBLICATION REQUEST</b> (35 U.S.C. 122(b)(2)(B)(ii)) <b>AND, IF APPLICABLE,</b> <b>NOTICE OF FOREIGN FILING</b> (35 U.S.C. 122(b)(2)(B)(iii))	Application Number	12/502,064
	Filing Date	July 13, 2009
	First Named Inventor	John Douglas Steinberg
	Title	SYSTEM AND METHOD FOR USING A NET
	Atty Docket Number	EFACT.011A
	Art Unit	3744
	Examiner	Unknown

Send completed form to:  
**Mail Stop PG Pub**  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450  
 FAX: (571) 273-8300

A request that the above-identified application not be published under 35 U.S.C. 122(b) (nonpublication request) was included with the above-identified application on filing pursuant to 35 U.S.C. 122(b)(2)(B)(i).  
 I hereby **rescind** the previous nonpublication request.

If a notice of foreign or international filing is or will be required by 35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c), I hereby provide such notice. This notice is being provided no later than forty-five (45) days after the date of such foreign or international filing.

*If a notice of subsequent foreign or international filing required by 35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c) was not filed within forty-five (45) days after the date of filing of the foreign or international application, the application is ABANDONED, and a petition to revive under 37 CFR 1.137(b) is required. See 37 CFR 1.137(f).*

 _____ Signature	7-7-2010 _____ Date
--	---------------------------

John R. King _____ Typed or printed name	34,362 _____ Registration Number, if applicable
--	---

949-760-0404  
 \_\_\_\_\_  
 Telephone Number

**This request must be signed in compliance with 37 CFR 1.33(b).**

If information or assistance is needed in completing this form, please contact the Pre-Grant Publication Division at (703)605-4283 or by e-mail at [PGPub@USPTO.gov](mailto:PGPub@USPTO.gov).

**CERTIFICATE OF MAILING OR TRANSMISSION**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop PG Pub, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature		
Name (Print/Type)	Date	

This collection of information is required by 37 CFR 1.213(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PG Pub, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**INFORMATION DISCLOSURE STATEMENT**

Applicant : John Douglas Steinberg  
App. No : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR USING A  
NETWORKED ELECTRONIC DEVICE AS AN  
OCCUPANCY SENSOR FOR AN ENERGY  
MANAGEMENT SYSTEM  
Examiner : Unknown  
Art Unit : 3744  
Conf No. : 5514

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing three (3) references, of which one (1) is enclosed/submitted.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,  
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 7-7-2010

By: John R. King  
John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20995  
(949) 760-0404

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>	Examiner	
SHEET 1 OF 1	Attorney Docket No.	EFACT.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	2009/0099699 A1	04-16-2009	Steinberg et al.	
	2	2009/0125151 A1	05-14-2009	Steinberg et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	3	Honeywell Programmable Thermostat Owner's Guide, www.honeywell.com/yourhome	

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Examiner Signature	Date Considered
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language translation is attached.

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12502064
<b>Filing Date:</b>	13-Jul-2009
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Filer:</b>	John R. King/Amy Durrant
<b>Attorney Docket Number:</b>	JSTEIN.011A

Filed as Small Entity

### Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
Publ. Fee- early, voluntary, or normal	1504	1	300	300

**Petition:**

**Patent-Appeals-and-Interference:**

**Post-Allowance-and-Post-Issuance:**

**Extension-of-Time:** 0219

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>300</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	7969205
<b>Application Number:</b>	12502064
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5514
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Customer Number:</b>	20995
<b>Filer:</b>	John R. King/Chelsea Pearsall
<b>Filer Authorized By:</b>	John R. King
<b>Attorney Docket Number:</b>	JSTEIN.011A
<b>Receipt Date:</b>	07-JUL-2010
<b>Filing Date:</b>	13-JUL-2009
<b>Time Stamp:</b>	17:45:58
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

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Payment Type	Credit Card
Payment was successfully received in RAM	\$300
RAM confirmation Number	4026
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section ~~0227~~ (Patent application and reexamination processing fees)

<b>File Listing:</b>					
<b>Document Number</b>	<b>Document Description</b>	<b>File Name</b>	<b>File Size(Bytes)/ Message Digest</b>	<b>Multi Part /.zip</b>	<b>Pages (if appl.)</b>
1	Petition for Green Tech Pilot	EFACT-011A_petition.pdf	79379 <small>32ad242df808a143b8465bb9ceb7e64c7a2831e8</small>	no	1
<b>Warnings:</b>					
<b>Information:</b>					
2	Petition for Green Tech Pilot	EFACT-011A_statement.pdf	102421 <small>9d0fbb9339fa5172c064e8bd56cfadee0645ddb5</small>	no	3
<b>Warnings:</b>					
<b>Information:</b>					
3		EFACT-011A_prelimamend.pdf	277821 <small>3c2f3a0121b542fab5d8d4e39b89c5b8e297db05</small>	yes	8
	<b>Multipart Description/PDF files in .zip description</b>				
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Preliminary Amendment		1	1	
	Claims		2	4	
Applicant Arguments/Remarks Made in an Amendment		5	8		
<b>Warnings:</b>					
<b>Information:</b>					
4	Rescind Nonpublication Request for Pre Grant Pub	EFACT-011A_rescission.pdf	75531 <small>d7a3b8eb459abb78489858476bfd9739c7498fc6</small>	no	1
<b>Warnings:</b>					
<b>Information:</b>					
5		EFACT-011A_ids.pdf	78492 <small>ea58bcd7095d368beed0f4fa974a2281b9a8231b</small>	yes	2
	<b>Multipart Description/PDF files in .zip description</b>				
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Transmittal Letter		1	1	
Information Disclosure Statement (IDS) Filed (SB/08)		2	2		
<b>Warnings:</b>					
<b>Information:</b>					

6	NPL Documents	EFACT-011A_ref1.pdf	2407105	no	64
			b44f4d5cacadce82dfcfd591df44e54d58bcd2f8		
<b>Warnings:</b>					
<b>Information:</b>					
7	Fee Worksheet (PTO-875)	fee-info.pdf	30290	no	2
			c096d77f27f28e35ba294da6a96cdd226df4b49		
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			3051039		

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**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : John Douglas Steinberg  
App. No : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR  
USING A NETWORKED  
ELECTRONIC DEVICE AS AN  
OCCUPANCY SENSOR FOR AN  
ENERGY MANAGEMENT SYSTEM  
Art Unit : 3744  
Conf. No. : 5514

**STATEMENT OF SPECIAL STATUS FOR THE ELIGIBILITY REQUIREMENT**  
**UNDER THE GREEN TECHNOLOGY PILOT PROGRAM**

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Statement of Special Status of the Eligibility Requirement is filed pursuant to the requirements listed in PTO/SB/420, filed herewith, and pursuant to the requirements of 74 Fed. Reg. 64,666 (Dec. 8, 2009), as amended by 75 Fed. Reg. 28,554 (May 21, 2010).

**Material Contribution To Energy Conservation**

A basis for the special status is that the invention ***materially contributes to energy conservation***, namely the use of thermostatic heating, ventilation and air conditioning ("HVAC") systems and other energy management controls that are connected to a computer network.

More specifically, a basis for the special status includes determining whether a structure is occupied by monitoring user interactions with a personal computer or an



**Application No.: 12/502,064**  
**Filing Date: July 13, 2009**

Internet-enabled television located in the structure. This information is used by an energy management system to reduce energy consumption when the lack of user interactions indicates that the structure is not occupied.

Furthermore, Applicant submits that it is clear on the above-referenced application's face that the claimed invention materially contributes to energy conservation.

#### Appropriate Number Of Claims

The application is a non-reissue, non-provisional utility application filed under 35 U.S.C. § 111(a) and the application was previously filed before December 8, 2009. In addition, the application, with the submission of the enclosed Preliminary Amendment contains no more than three (3) independent claims and twenty (20) total claims. The application also does not contain any multiple dependent claims.

Furthermore, a first Office Action (including an Office Action containing only a restriction requirement) has not yet appeared in the Patent Application Retrieval (PAIR) system.

#### Statement Regarding Potential Restriction Requirement

If the U.S. Patent and Trademark Office ("USPTO") determines that the claims are directed to multiple inventions, (e.g., a restriction requirement), Applicant will agree to make an election without traverse in a telephonic interview and will elect an invention that meets the eligibility requirements in section II or III of the notice of the "Elimination of Classification Requirement in the Green Technology Pilot Program."

#### Early Publication

In addition, Applicant has submitted herewith a Rescission of Request for Non-publication and is hereby requesting early publication under 37 CFR § 1.219. Accordingly, Application has included the fee set forth in 37 CFR § 1.18(d).

Application No.: 12/502,064  
Filing Date: July 13, 2009

Conclusion

Applicant respectfully requests that a favorable decision on this Petition to Make Special Under the Green Technology Pilot Program be granted and the application be accorded special status under the Green Technology Pilot Program.

In addition, the Commissioner is hereby authorized to charge any fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,  
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 7-7-2010

By: John R. King  
John R. King, 34,362  
Attorney of Record  
Customer No. 20995  
(949) 721-7602

9297602  
070210

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION TO MAKE SPECIAL UNDER THE GREEN TECHNOLOGY PILOT PROGRAM**

Attorney Docket Number: <b>EFACT.011A</b>	Application Number (if known): <b>12/502,064</b>	Filing date: <b>07/13/2009</b>
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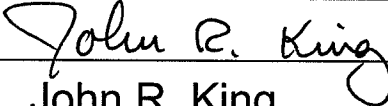
First Named Inventor: **John Douglas Steinberg**

Title: **SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM**

**APPLICANT HEREBY REQUESTS TO PARTICIPATE IN THE GREEN TECHNOLOGY PILOT PROGRAM FOR THE ABOVE-IDENTIFIED APPLICATION. See Instruction Sheet on page 2.**

This petition must be timely filed electronically using the USPTO electronic filing system, EFS-Web.

- By filing this petition:  
**Applicant is requesting early publication: Applicant hereby requests early publication under 37 CFR 1.219 and the publication fee set forth in 37 CFR 1.18(d) accompanies this request.**
- By filing this petition: applicant is agreeing to make an election without traverse in a telephonic interview and elect an invention that meets the eligibility requirements set forth in the notice titled "Pilot Program for Green Technologies Including Greenhouse Gas Reduction," as modified by the notice titled "Elimination of Classification Requirement in the Green Technology Pilot Program," each of which was published in the Federal Register, if the Office determines that the claims are not obviously directed to a single invention.
- This request is accompanied by statements of special status for the eligibility requirement.
- The application contains no more than three (3) independent claims and twenty (20) total claims.
- The application does not contain any multiple dependent claims.
- Other attachments: Eligibility Statement, Preliminary Amendment, Rescission Of Request For Non-Publication

Signature 	Date <b>7-7-2010</b>
Name (Print/Typed) <b>John R. King</b>	Registration Number <b>34,362</b>

**Note:** Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required in accordance with 37 CFR 1.33 and 11.18. Please see 37 CFR 1.4(d) for the form of the signature. If necessary, submit multiple forms for more than one signature, see below\*.

\*Total of \_\_\_\_\_ forms are submitted.

The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>PATENT APPLICATION FEE DETERMINATION RECORD</b> Substitute for Form PTO-875	Application or Docket Number <b>12/502,064</b>	Filing Date <b>07/13/2009</b>	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY				
(Column 1)		(Column 2)	SMALL ENTITY <input checked="" type="checkbox"/>		OR	SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)		RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A			N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A			N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A			N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	minus 20 =	*	X \$ =		OR	X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =			X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY				
(Column 1)		(Column 2)	(Column 3)		SMALL ENTITY		OR	SMALL ENTITY	
AMENDMENT	07/07/2010	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	* 20	Minus	** 22 = 0	X \$26 =	0	OR	X \$ =	
	Independent <small>(37 CFR 1.16(h))</small>	* 2	Minus	***3 = 0	X \$110 =	0	OR	X \$ =	
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>									
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>							OR		
					TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE	

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY				
(Column 1)		(Column 2)	(Column 3)		SMALL ENTITY		OR	SMALL ENTITY	
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	*	Minus	** =	X \$ =		OR	X \$ =	
	Independent <small>(37 CFR 1.16(h))</small>	*	Minus	*** =	X \$ =		OR	X \$ =	
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>									
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".  
 \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".  
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:  
 /PAMELA YOUNG/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**  
 If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>	Examiner	
SHEET 1 OF 4	Attorney Docket No.	JSTEIN.011A

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials	Cite No.	Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,403,644	09-13-1983	Hebert, Raymond T.	
	2	4,674,027	06-16-1987	Thomas J. Beckey	
	3	5,572,438	11-05-1996	Ehlers, et al.	
	4	5,717,609	02-10-1998	Packa, et al.	
	5	6,145,751	11-14-2000	Ahmed	
	6	6,178,362	01-23-2001	Woolard, et al.	
	7	6,351,693	02-26-2002	Monie	
	8	6,400,996	06-04-2002	Hoffberg, et al.	
	9	6,437,692	08-20-2002	Petite, et al.	
	10	6,478,233	11-12-2002	Shah	
	11	6,480,803	11-12-2002	Pierret, et al.	
	12	6,483,906	11-19-2002	Lggulden, et al.	
	13	6,536,675	03-25-2003	Pesko, et al.	
	14	6,542,076	04-01-2003	Joao	
	15	6,549,130	04-15-2003	Joao	
	16	6,574,537	06-02-2003	Kipersztok, et al.	
	17	6,580,950	06-17-2003	Johnson	
	18	6,594,825	07-15-2003	Goldschmidtki, et al.	
	19	6,595,430	07-22-2003	Shah	
	20	6,598,056	07-22-2003	Hull, et al.	
	21	6,619,555	09-16-2003	Howard B. Rosen	
	22	6,622,097	09-16-2003	Robert R. Hunter	
	23	6,622,115	09-16-2003	Brown, et al.	
	24	6,622,925	09-23-2003	Carner, et al.	
	25	6,622,926	09-23-2003	Sartain, et al.	
	26	6,628,997	09-30-2003	Fox, et al.	
	27	6,633,823	10-14-2003	Bartone, et al.	
	28	6,643,567	11-04-2003	Kolk et al.	
	29	6,671,586	12-30-2003	Davis, et al.	

Examiner Signature	Date Considered
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>	Examiner	
SHEET 2 OF 4	Attorney Docket No.	JSTEIN.011A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	6,695,218	02-24-2004	Fleckenstein	
	31	6,726,113	04-27-2004	Guo	
	32	6,731,992	05-04-2004	Ziegler	
	33	6,734,806	05-11-2004	Cratsley	
	34	6,772,052	08-03-2004	Amundsen	
	35	6,785,592	08-31-2004	Smith	
	36	6,785,630	08-31-2004	Kolk	
	37	6,789,739	09-14-2004	Howard Rosen	
	38	6,853,959	02-08-2005	Ikeda, et al.	
	39	6,868,293	03-15-2005	Schurr	
	40	6,868,319	03-15-2005	Kipersztok, et al.	
	41	6,882,712	04-19-2005	Iggulden, et al.	
	42	6,889,908	05-10-2005	Crippen, et al.	
	43	6,891,838	10-10-2005	Petite, et al.	
	44	6,991,029	01-31-2006	Orfield, et al.	
	45	7,009,493	03-07-2006	Howard	
	46	7,031,880	04-18-2006	Seem, et al.	
	47	7,039,532	05-02-2006	Hunter	
	48	7,089,088	08-08-2006	Terry, et al.	
	49	7,130,719	10-31-2006	Ehlers, et al.	
	50	7,130,832	10-31-2006	Bannai, et al.	
	51	7,167,079	01-23-2007	Smyth, et al.	
	52	7,187,986	03-06-2007	Johnson, et al.	
	53	7,205,892	04-17-2007	Luebke, et al.	
	54	7,215,746	05-08-2007	Iggulden, et al.	
	55	7,216,015	05-08-2007	Poth, Robert J.	
	56	7,231,424	06-11-2007	Bodin, et al.	
	57	7,232,075	06-19-2007	Rosen	
	58	2003/0040934 A1	02-27-2003	Skidmore, et al.	

Examiner Signature	Date Considered
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>	Examiner	
SHEET 3 OF 4	Attorney Docket No.	JSTEIN.011A

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	<b>59</b>	2005/0222889 A1	10-06-2005	Lai, et al.	
	<b>60</b>	2005/0288822 A1	12-29-2005	Rayburn, Ronald	
	<b>61</b>	2007/0043477 A1	02-22-2007	Elhers, et al.	
	<b>62</b>	2008/0083234 A1	04-10-2008	Krebs et al.	

<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	<b>63</b>	ARNES, FEDERSPEIL, WANG, HUIZENGA,, How Ambient Intelligence Will Improve Habitability and Energy Efficiency in Buildings, 2005, research paper,, Center for the Built Environment. Controls and Information Technology	
	<b>64</b>	Comverge SuperStat Flyer	
	<b>65</b>	Control4 Wireless Thermostat Brochure	
	<b>66</b>	Cooper Power Systems Web Page	
	<b>67</b>	Enernoc Web Page	
	<b>68</b>	Enerwise Website	
	<b>69</b>	JOHNSON CONTORLS, Touch4 building automation system brochure, 2007	
	<b>70</b>	KILICOTTE, PIETTE, WATSON, , Dynamic Controls for Energy Efficiency and Demand Response: Framework Concepts and a New Construction Study Case in New York, Proceedings of the 2006 ACEEE Summer Study of Energy Efficiency in Buildings, Pacific Grove. CA., August 13-18, 2006	
	<b>71</b>	LIN, AUSLANDER and FEDERSPEIL, "Multi-Sensor Single-Actuator Control of HVAC Systems", 2002	
	<b>72</b>	PIER, Southern California Edison,, Deman Responsive Control of Air Conditioning via Programmable Communicating Thermostats Draft Report	
	<b>73</b>	Proliphix Thermostat Brochure	

Examiner Signature	Date Considered
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	12/502064
	Filing Date	07-13-2009
	First Named Inventor	Steinberg, John Douglas
	Art Unit	3744
<i>(Multiple sheets used when necessary)</i>	Examiner	
SHEET 4 OF 4	Attorney Docket No.	JSTEIN.011A

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	<b>74</b>	WANG, ARENS, FEDERSPIEL., "Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor networks in Buildings," (2003), Center for Environmental Design Research	
	<b>75</b>	WETTER, WRIGHT, A comparison of deterministic and probabilistic optimization algorithms for nonsmooth simulation-based optimization., Building and Environment 39, 2004, Pages 989-999	

8280885  
121809

Examiner Signature	Date Considered
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.



## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	6673695
<b>Application Number:</b>	12502064
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5514
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Customer Number:</b>	20995
<b>Filer:</b>	Scott Edward Raevsky/Alexandra Benitez
<b>Filer Authorized By:</b>	Scott Edward Raevsky
<b>Attorney Docket Number:</b>	JSTEIN.011A
<b>Receipt Date:</b>	18-DEC-2009
<b>Filing Date:</b>	13-JUL-2009
<b>Time Stamp:</b>	20:13:45
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
------------------------	----

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		IDS_011.pdf	35347 2abd5b754b4c0b01e1ecce95edf46f0ccfb8c7c9	yes	5

Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Transmittal Letter			1	1	
Information Disclosure Statement (IDS) Filed (SB/08)			2	5	
<b>Warnings:</b>					
<b>Information:</b>					
2	NPL Documents	ARNES.pdf	1378534 c1add0be1c2bc7291438f2275f320d73a54a4dcf	no	16
<b>Warnings:</b>					
<b>Information:</b>					
3	NPL Documents	Comverge.pdf	917053 4b9ebdb8c7dc375a3ff2daec000a14eea0a6dde7	no	2
<b>Warnings:</b>					
<b>Information:</b>					
4	NPL Documents	Control4.pdf	1950689 84423322a60f9081963f47525c581891da38b74d	no	2
<b>Warnings:</b>					
<b>Information:</b>					
5	NPL Documents	Cooper.PDF	1062463 4788abd6f87f2e4d97f54a3f818d82514dca493b	no	12
<b>Warnings:</b>					
<b>Information:</b>					
6	NPL Documents	Enermoc.PDF	585325 deea04f0060b5f2789c3441a3172312ab659454f	no	3
<b>Warnings:</b>					
<b>Information:</b>					
7	NPL Documents	Enerwise.PDF	147015 10c28a238066e0df55cfad3decf90071bc754c36	no	2
<b>Warnings:</b>					
<b>Information:</b>					
8	NPL Documents	Johnson.PDF	1033607 b55b26fa4fd9d54b66d60d736dfe7fb653c1ae71	no	4
<b>Warnings:</b>					
<b>Information:</b>					

9	NPL Documents	KILICOTTE.PDF	1002435	no	13
			99b2138bf5a2229bbac58a8eba2dd19c672422f		
<b>Warnings:</b>					
<b>Information:</b>					
10	NPL Documents	LIN.PDF	576150	no	11
			6512de55f111e85f8f64cd041eaebf71761cfc9		
<b>Warnings:</b>					
<b>Information:</b>					
11	NPL Documents	PIER.PDF	8672234	no	93
			d1d42d178440a55019054db4029db92968a6dcaf		
<b>Warnings:</b>					
<b>Information:</b>					
12	NPL Documents	Proliphix.pdf	886167	no	2
			aba8a21693e75afc6950d931a078af5ae48f5908		
<b>Warnings:</b>					
<b>Information:</b>					
13	NPL Documents	WANG.PDF	710120	no	6
			3ecde3b746ff71ad1e1763b76ba58546ffd84fe7d		
<b>Warnings:</b>					
<b>Information:</b>					
14	NPL Documents	Wetter.PDF	987315	no	11
			7db56d239ea299b5cc6a6b1d6b43db888a94d76f		
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			19944454		

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**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**

**INFORMATION DISCLOSURE STATEMENT**

Applicant : Steinberg, John Douglas  
App. No : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR  
USING A NETWORKED  
ELECTRONIC DEVICE AS AN  
OCCUPANCY SENSOR FOR AN  
ENERGY MANAGEMENT SYSTEM  
Examiner : Unknown  
Art Unit : 3744  
Conf No. : 5514

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 75 references, of which 13 are enclosed/submitted.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,  
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: December 18, 2009

By: /Scott Raevsky/  
Scott Raevsky, Reg. No. 54,384  
Attorney of Record  
Customer No. 20995  
(949) 721-7602



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Table with 7 columns: APPLICATION NUMBER, FILING or 371(c) DATE, GRP ART UNIT, FIL FEE REC'D, ATTY. DOCKET NO, TOT CLAIMS, IND CLAIMS. Row 1: 12/502,064, 07/13/2009, 3744, 579, JSTEIN.011A, 22, 2

CONFIRMATION NO. 5514

UPDATED FILING RECEIPT

20995
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614



Date Mailed: 10/07/2009

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

John Douglas Steinberg, Millbrae, CA;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/134,714 07/14/2008

Foreign Applications

If Required, Foreign Filing License Granted: 07/22/2009

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US 12/502,064

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

\*\* SMALL ENTITY \*\*

**Title**

SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM

**Preliminary Class**

236

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



Please Direct All Correspondence to Customer Number 20,995

**RESPONSE TO FORMALITIES NOTICE**

Applicant : John Douglas Steinberg  
App. No : 12/502,064  
Filed : July 13, 2009  
For : SYSTEM AND METHOD FOR  
USING A NETWORKED  
ELECTRONIC DEVICE AS AN  
OCCUPANCY SENSOR FOR AN  
ENERGY MANAGEMENT SYSTEM  
Art Unit : 3744  
Conf. No. : 5514

**Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Dear Sir:

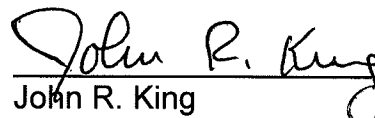
The above-captioned application was filed without a Declaration and/or filing fees. Enclosed in compliance with 37 CFR 1.53(f) are the following.

(X) A Declaration in 1 pages.

The present application qualifies for small entity status under 37 CFR § 1.27.

(X) Fees will be paid via EFS Web. Extension of time is requested by payment of any extension fee.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment, to Account No. 11-1410.



John R. King  
Registration No. 34,362  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

**DECLARATION FOR UTILITY OR DESIGN APPLICATION  
UNDER 37 CFR 1.63**

Docket No.: JSTEIN.011A

Page 1 of 1

Title: SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE  
AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM

Inventors: John Douglas Steinberg

Please Direct All Correspondence to Customer Number 20,995

This Declaration is directed to the invention that:

Was filed as Serial No. 12/502,064 filed on July 13, 2009

As a below named inventor:

I believe the inventor named below to be the original and first inventor of the subject matter which is described and claimed and for which a patent is sought;

I have reviewed and understand the contents of the above-identified application, including the claims, and any amendment filed herewith or identified above;

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56;

The application was originally filed with an Application Data Sheet (ADS). The ADS sets forth any applicable Foreign Priority Claims under 35 USC § 119, and sets forth the full mailing and residence address of each inventor whose signature appears below as allowed under 37 CFR 1.63(c). The ADS also sets forth any Domestic Priority Claims under 35 USC §§ 119(e), 120, 121, and 365.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **first** inventor: John Douglas Steinberg

Signature: \_\_\_\_\_

Date: 9/23/09

Citizenship: \_\_\_\_\_

United States

Send Correspondence To:  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

7845463:ad/092309

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	12502064
<b>Filing Date:</b>	13-Jul-2009
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Filer:</b>	John R. King/Amy Durrant
<b>Attorney Docket Number:</b>	JSTEIN.011A

Filed as Small Entity

### Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
Utility filing Fee (Electronic filing)	4011	1	82	82
Utility Search Fee	2111	1	270	270
Utility Examination Fee	2311	1	110	110

### Pages:

### Claims:

Claims in excess of 20	2202	2	26	52
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### Miscellaneous-Filing:

Late filing fee for oath or declaration	2051	1	65	65
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Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				
<b>Miscellaneous:</b>				
			<b>Total in USD (\$)</b>	<b>579</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	6145427
<b>Application Number:</b>	12502064
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5514
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Customer Number:</b>	20995
<b>Filer:</b>	John R. King/Nicole Jones
<b>Filer Authorized By:</b>	John R. King
<b>Attorney Docket Number:</b>	JSTEIN.011A
<b>Receipt Date:</b>	25-SEP-2009
<b>Filing Date:</b>	13-JUL-2009
<b>Time Stamp:</b>	12:25:05
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$579
RAM confirmation Number	11429
Deposit Account	111410
Authorized User	KNOBBE MARTENS OLSON AND BEAR

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.245 (Patent application and reexamination processing fees)

<b>File Listing:</b>					
<b>Document Number</b>	<b>Document Description</b>	<b>File Name</b>	<b>File Size(Bytes)/ Message Digest</b>	<b>Multi Part /.zip</b>	<b>Pages (if appl.)</b>
1	Applicant Response to Pre-Exam Formalities Notice	JSTEIN-011A_MP.pdf	35199 9473e191bf39d630417d9a892dc7e3c49d0565d0	no	1
<b>Warnings:</b>					
<b>Information:</b>					
2	Oath or Declaration filed	JSTEIN-011A_declaration.pdf	55743 218673f99d89c6301f125b0ce2aa74bd8d8f3d5c	no	1
<b>Warnings:</b>					
<b>Information:</b>					
3	Fee Worksheet (PTO-875)	fee-info.pdf	38605 c9f8af83f52a2f868ba39ae64fd8104efac283b	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			129547		

**This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.**

**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 4 columns: APPLICATION NUMBER (12/502,064), FILING OR 371(C) DATE (07/13/2009), FIRST NAMED APPLICANT (John Douglas Steinberg), ATTY. DOCKET NO./TITLE (JSTEIN.011A)

CONFIRMATION NO. 5514

FORMALITIES LETTER



20995
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

Date Mailed: 07/28/2009

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment.

- The statutory basic filing fee is missing. Applicant must submit \$82 to complete the basic filing fee for a small entity.
The oath or declaration is missing. A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$52 as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this notice.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$579 for a small entity

- \$82 Statutory basic filing fee.
\$65 Surcharge.
The application search fee has not been paid. Applicant must submit \$270 to complete the search fee.

- The application examination fee has not been paid. Applicant must submit **\$110** to complete the examination fee for a small entity in compliance with 37 CFR 1.27.
- Total additional claim fee(s) for this application is **\$52**
  - **\$52** for **2** total claims over 20.

Replies should be mailed to:

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

/mhaile/

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Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 7 columns: APPLICATION NUMBER, FILING or 371(c) DATE, GRP ART UNIT, FIL FEE REC'D, ATTY.DOCKET.NO, TOT CLAIMS, IND CLAIMS. Row 1: 12/502,064, 07/13/2009, 3744, 0.00, JSTEIN.011A, 22, 2

CONFIRMATION NO. 5514

FILING RECEIPT

20995
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614



Date Mailed: 07/28/2009

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

John Douglas Steinberg, Millbrae, CA;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/134,714 07/14/2008

Foreign Applications

If Required, Foreign Filing License Granted: 07/22/2009

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US 12/502,064

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

\*\* SMALL ENTITY \*\*

**Title**

SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM

**Preliminary Class**

236

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER****Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where

the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Application Data Sheet 37 CFR 1.76</b>		Attorney Docket Number	JSTEIN.011A
		Application Number	
Title of Invention	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

**Secrecy Order 37 CFR 5.2**

- Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

**Applicant Information:**

<b>Applicant 1</b>				
<b>Applicant Authority</b>		<input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117
				<input type="radio"/> Party of Interest under 35 U.S.C. 118
<b>Prefix</b>	<b>Given Name</b>	<b>Middle Name</b>	<b>Family Name</b>	<b>Suffix</b>
	John	Douglas	Steinberg	
<b>Residence Information (Select One)</b>				
		<input checked="" type="radio"/> US Residency		<input type="radio"/> Non US Residency
				<input type="radio"/> Active US Military Service
<b>City</b>	Millbrae	<b>State/Province</b>	CA	<b>Country of Residence</b>
				US
<b>Citizenship under 37 CFR 1.41(b)</b>		US		
<b>Mailing Address of Applicant:</b>				
<b>Address 1</b>	873 Hacienda Way			
<b>Address 2</b>				
<b>City</b>	Millbrae	<b>State/Province</b>	CA	
<b>Postal Code</b>	94030	<b>Country</b>	US	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.				
				<input type="button" value="Add"/>

**Correspondence Information:**

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).	
<input type="checkbox"/> An Address is being provided for the correspondence information of this application.	
<b>Customer Number</b>	20995
<b>Email Address</b>	efiling@kmob.com
<input type="button" value="Add Email"/> <input type="button" value="Remove Email"/>	

**Application Information:**

<b>Title of the Invention</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM		
<b>Attorney Docket Number</b>	JSTEIN.011A	<b>Small Entity Status Claimed</b> <input checked="" type="checkbox"/>	
<b>Application Type</b>	Nonprovisional		
<b>Subject Matter</b>	Utility		
<b>Suggested Class (if any)</b>		<b>Sub Class (if any)</b>	
<b>Suggested Technology Center (if any)</b>			
<b>Total Number of Drawing Sheets (if any)</b>	8	<b>Suggested Figure for Publication (if any)</b>	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Application Data Sheet 37 CFR 1.76</b>	Attorney Docket Number	JSTEIN.011A
	Application Number	
Title of Invention	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM	

**Publication Information:**
 Request Early Publication (Fee required at time of Request 37 CFR 1.219)

**Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

**Representative Information:**

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.

Please Select One:  Customer Number  US Patent Practitioner  Limited Recognition (37 CFR 11.9)

Customer Number 20995

**Domestic Benefit/National Stage Information:**

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status	Pending	<a href="#">Remove</a>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	non provisional of	61134714	2008-07-14

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

**Foreign Priority Information:**

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

<a href="#">Remove</a>			
Application Number	Country <sup>1</sup>	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			<input type="radio"/> Yes <input checked="" type="radio"/> No

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

**Assignee Information:**

Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office.

Assignee 1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Application Data Sheet 37 CFR 1.76</b>	Attorney Docket Number	JSTEIN.011A
	Application Number	
Title of Invention	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM	

If the Assignee is an Organization check here. <input type="checkbox"/>				
Prefix	Given Name	Middle Name	Family Name	Suffix
<b>Mailing Address Information:</b>				
Address 1				
Address 2				
City		State/Province		
Country	Postal Code			
Phone Number		Fax Number		
Email Address				
Additional Assignee Data may be generated within this form by selecting the <b>Add</b> button.				

**Signature:**

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.				
Signature	/John R. King/		Date (YYYY-MM-DD)	2009-07-13
First Name	John	Last Name	King	Registration Number
				34362

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE  
AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM**

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority to U.S. Provisional Application No. 61/134,714, filed July 14, 2008, the entirety of which is incorporated herein by reference and is to be considered part of this specification.

BACKGROUND OF THE INVENTION

Field of the Invention

[0002] This invention relates to the use of thermostatic HVAC and other energy management controls that are connected to a computer network. More specifically, the present invention pertains to the use of user interactions with an interface such as a personal computer or an Internet-enabled television as signal related to occupancy to inform an energy management system.

[0003] Heating and cooling systems for buildings (heating, ventilation and cooling, or HVAC systems) have been controlled for decades by thermostats. At the most basic level, a thermostat includes a means to allow a user to set a desired temperature, a means to sense actual temperature, and a means to signal the heating and/or cooling devices to turn on or off in order to try to change the actual temperature to equal the desired temperature. The most basic versions of thermostats use components such as a coiled bi-metallic spring to measure actual temperature and a mercury switch that opens or completes a circuit when the spring coils or uncoils with temperature changes. More recently, electronic digital thermostats have become prevalent. These thermostats use solid-state devices such as thermistors or thermal diodes to measure temperature, and microprocessor-based circuitry to control the switch and to store and operate based upon user-determined protocols for temperature vs. time.



[0004] These programmable thermostats generally offer a very restrictive user interface, limited by the cost of the devices, the limited real estate of the small wall-mounted boxes, and the inability to take into account more than two variables: the desired temperature set by the user, and the ambient temperature sensed by the thermostat. Users can generally only set one series of commands per day, and in order to change one parameter (e.g., to change the late-night temperature) the user often has to cycle through several other parameters by repeatedly pressing one or two buttons.

[0005] Because the interface of programmable thermostats is so poor, the significant theoretical savings that are possible with them (sometimes cited as 25% of heating and cooling costs) are rarely realized. In practice, studies have found that more than 50% of users never program their thermostats at all. Significant percentages of the thermostats that are programmed are programmed sub-optimally, in part because, once programmed, people tend to not to re-invest the time needed to change the settings very often.

[0006] A second problem with standard programmable thermostats is that they represent only a small evolutionary step beyond the first, purely mechanical thermostats. Like the first thermostats, they only have two input signals - ambient temperature and the preset desired temperature. The entire advance with programmable thermostats is that they can shift between multiple present temperatures at different times without real-time involvement of a human being.

[0007] Because most thermostats control HVAC systems that do not offer infinitely variable output, traditional thermostats are designed to permit the temperature as seen by the thermostat to vary above and below the setpoint to prevent the HVAC system from constantly and rapidly cycling on and off, which is inefficient and harmful to the HVAC system. The temperature range in which the thermostat allows the controlled environment to drift is known as both the dead zone and, more formally, the hysteresis zone. The hysteresis zone is frequently set at +/- 1 degree Fahrenheit. Thus if the setpoint is 68 degrees, in the heating context the thermostat will allow the inside temperature to fall to 67 degrees before turning the heating system on, and will allow it to rise to 69 degrees before turning it off again.

**[0008]** As energy prices rise, more attention is being paid to ways of reducing energy consumption. Because energy consumption is directly proportional to setpoint - that is, the further a given setpoint diverges from the balance point (the inside temperature assuming no HVAC activity) in a given house under given conditions, the higher energy consumption will be to maintain temperature at that setpoint), energy will be saved by virtually any strategy that over a given time frame lowers the average heating setpoint or raises the cooling setpoint. Conventional programmable thermostats allow homeowners to save money and energy by pre-programming setpoint changes based upon comfort or schedule. For example, in the summer, allowing the setpoint to rise by several degrees (or even shutting off the air conditioner) when the home is unoccupied will generally save significantly on energy. But such thermostats have proven to be only minimally effective in practice. Because they have such primitive user interfaces, they are difficult to program, and so many users never bother at all, or set them up once and do not alter the programming even if their schedules change.

**[0009]** In the hotel industry, the heating and cooling decisions made in hundred or even thousands of individual rooms with independently controlled HVAC systems are aggregated into a single energy bill, so hotel owners and managers are sensitive to energy consumption by those systems. Hotel guests often turn the air conditioner to a low temperature setting and then leave the room for hours at a time, thereby wasting considerable energy. An approach commonly used outside of the United States to combat this problem is to use a keycard to control the HVAC system, such that guests place the keycard into a slot mounted on the wall near the door of the room which then triggers the lights and HVAC system to power up, and turn them off when the guest removes the card upon leaving the room. However, because most hotels give each guest two cards, it is easy to simply leave the extra card in the slot, thus defeating the purpose of the system. Recently, systems have been introduced in which a motion sensor is connected to the control circuitry for the HVAC system. If no motion is detected in the room for some predetermined interval, the system concludes that the room is unoccupied, and turns off or alters the setpoint of the HVAC system to a more economical level. When the motion sensor detects motion (which is

assumed to coincide with the return of the guest), the HVAC system resets to the guest's chosen setting.

**[0010]** Adding occupancy detection capability to residential HVAC systems could also add considerable value in the form of energy savings without significant tradeoff in terms of comfort. But the systems used in hotels do not easily transfer to the single-family residential context. Hotel rooms tend to be small enough that a single motion sensor is sufficient to determine with a high degree of accuracy whether or not the room is occupied. A single motion sensor in the average home today would have limited value because there are likely to be many places one or more people could be home and active yet invisible to the motion sensor. The most economical way to include a motion sensor in a traditional programmable thermostat would be to build it into the thermostat itself. But thermostats are generally located in hallways, and thus are unlikely to be exposed to the areas where people tend to spend their time. Wiring a home with multiple motion sensors in order to maximize the chances of detecting occupants would involve considerable expense, both for the sensors themselves and for the considerable cost of installation, especially in the retrofit market. Yet if control is ceded to a single-sensor system that cannot reliably detect presence, the resulting errors would likely lead the homeowner to reject the system.

**[0011]** It would thus be desirable to provide a system that could detect occupancy without requiring the installation of additional hardware; that could accurately detect occupancy regardless of which room in the house is occupied, and could optimize energy consumption based upon dynamic and individually configurable heuristics.

#### SUMMARY OF THE INVENTION

**[0012]** In one embodiment, the invention comprises a thermostat attached to an HVAC system, a local network connecting the thermostat to a larger network such as the Internet, and one or more computers attached to the network, and a server in bi-directional communication with a plurality of such thermostats and computers. The server pairs each thermostat with one or more computers or other consumer electronic devices which are determined to be associated with the home in which the thermostat is located. The server logs the ambient temperature sensed by each thermostat vs. time and the signals sent by the

thermostats to their HVAC systems. The server also monitors and logs activity on the computers or other consumer electronic devices associated with each thermostat. Based on the activity patterns evidenced by keystrokes, cursor movement or other inputs, or lack thereof, the server instructs the thermostat to change temperature settings between those optimized for occupied and unoccupied states.

**[0013]** At least one embodiment of the invention comprises the steps of determining whether one or more networked electronic devices inside a structure are in use; determining whether said use of said networked electronic devices indicates occupancy of said structure; and adjusting the temperature setpoint on a thermostatic controller for an HVAC system for said structure based upon whether or not said structure is deemed to be occupied.

**[0014]** At least one embodiment of the invention comprises at least one said thermostat having at least one temperature setting associated with the presence of one or more occupants in said structure, and at least one temperature setting associated with the absence of occupants in said structure; one or more electronic devices having at least a user interface; where said electronic devices and said thermostat are connected to a network; where said setpoint on said thermostat is adjusted between said temperature setting associated with the presence of one or more occupants in said structure and said temperature setting associated with the absence of occupants in said structure based upon the use of said user interface for said electronic device.

#### BRIEF DESCRIPTION OF THE DRAWINGS

**[0015]** Figure 1 shows an example of an overall environment in which an embodiment of the invention may be used.

**[0016]** Figure 2 shows a high-level illustration of the architecture of a network showing the relationship between the major elements of one embodiment of the subject invention.

**[0017]** Figure 3 shows an embodiment of the website to be used as part of the subject invention.

[0018] Figure 4 shows a high-level schematic of the thermostat used as part of the subject invention.

[0019] Figure 5 shows one embodiment of the database structure used as part of the subject invention.

[0020] Figure 6 shows the browser as seen on the display of the computer used as part of the subject invention.

[0021] Figure 7 is a flowchart showing the steps involved in the operation of one embodiment of the subject invention.

[0022] Figure 8 is a flowchart that shows how the invention can be used to select different HVAC settings based upon its ability to identify which of multiple potential occupants is using the computer attached to the system.

#### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

[0023] **Figure 1** shows an example of an overall environment 100 in which an embodiment of the invention may be used. The environment 100 includes an interactive communication network 102 with computers 104 connected thereto. Also connected to network 102 are one or more server computers 106, which store information and make the information available to computers 104. The network 102 allows communication between and among the computers 104 and 106.

[0024] Presently preferred network 102 comprises a collection of interconnected public and/or private networks that are linked to together by a set of standard protocols to form a distributed network. While network 102 is intended to refer to what is now commonly referred to as the Internet, it is also intended to encompass variations which may be made in the future, including changes additions to existing standard protocols.

[0025] When a user of the subject invention wishes to access information on network 102, the user initiates connection from his computer 104. For example, the user invokes a browser, which executes on computer 104. The browser, in turn, establishes a communication link with network 102. Once connected to network 102, the user can direct the browser to access information on server 106.

**[0026]** One popular part of the Internet is the World Wide Web. The World Wide Web contains a large number of computers 104 and servers 106, which store HyperText Markup Language (HTML) documents capable of displaying graphical and textual information. HTML is a standard coding convention and set of codes for attaching presentation and linking attributes to informational content within documents.

**[0027]** The servers 106 that provide offerings on the World Wide Web are typically called websites. A website is often defined by an Internet address that has an associated electronic page. Generally, an electronic page is a document that organizes the presentation of text graphical images, audio and video.

**[0028]** In addition to the Internet, the network 102 can comprise a wide variety of interactive communication media. For example, network 102 can include local area networks, interactive television networks, telephone networks, wireless data systems, two-way cable systems, and the like.

**[0029]** In one embodiment, computers 104 and servers 106 are conventional computers that are equipped with communications hardware such as modem or a network interface card. The computers include processors such as those sold by Intel and AMD. Other processors may also be used, including general-purpose processors, multi-chip processors, embedded processors and the like.

**[0030]** Computers 104 can also be handheld and wireless devices such as personal digital assistants (PDAs), cellular telephones and other devices capable of accessing the network. Computers 104 can also be microprocessor- controlled home entertainment equipment including advanced televisions, televisions paired with home entertainment/media centers, and wireless remote controls.

**[0031]** Computers 104 may utilize a browser configured to interact with the World Wide Web. Such browsers may include Microsoft Explorer, Mozilla, Firefox, Opera or Safari. They may also include browsers or similar software used on handheld, home entertainment and wireless devices. The storage medium may comprise any method of storing information. It may comprise random access memory (RAM), electronically erasable programmable read only memory (EEPROM), read only memory (ROM), hard disk, floppy disk, CD-ROM, optical memory, or other method of storing data. Computers 104 and 106

may use an operating system such as Microsoft Windows, Apple Mac OS, Linux, Unix or the like. Computers 106 may include a range of devices that provide information, sound, graphics and text, and may use a variety of operating systems and software optimized for distribution of content via networks.

[0032] **Figure 2** illustrates in further detail the architecture of the specific components connected to network 102 showing the relationship between the major elements of one embodiment of the subject invention. Attached to the network are thermostats 108 and computers 104 of various users. Connected to thermostats 108 are HVAC units 110. The HVAC units may be conventional air conditioners, heat pumps, or other devices for transferring heat into or out of a building. Each user is connected to the server 106 via wired or wireless connection such as Ethernet or a wireless protocol such as IEEE 802.11, a gateway 110 that connects the computer and thermostat to the Internet via a broadband connection such as a digital subscriber line (DSL) or other form of broadband connection to the World Wide Web. Server 106 contains the content to be served as web pages and viewed by computers 104, as well as databases containing information used by the servers.

[0033] In the currently preferred embodiment, the website 200 includes a number of components accessible to the user, as shown in **Figure 3**. Those components may include a means to enter temperature settings 202, a means to enter information about the user's home 204, a means to enter the user's electricity bills 206, means to calculate energy savings that could result from various thermostat-setting strategies 208, and means to enable and choose between various arrangements 210 for demand reduction with their electric utility provider as intermediated by the demand reduction service provider.

[0034] **Figure 4** shows a high-level block diagram of thermostat 108 used as part of the subject invention. Thermostat 108 includes temperature sensing means 252, which may be a thermistor, thermal diode or other means commonly used in the design of electronic thermostats. It includes a microprocessor 254, memory 256, a display 258, a power source 260, a relay 262, which turns the HVAC system on and off in response to a signal from the microprocessor, and contacts by which the relay is connected to the wires that lead to the HVAC system. To allow the thermostat to communicate bi-directionally with the computer network, the thermostat also includes means 264 to connect the thermostat to a local

computer or to a wireless network. Such means could be in the form of Ethernet, wireless protocols such as IEEE 802.11, IEEE 802.15.4, Bluetooth, cellular systems such as CDMA, GSM and GPRS, or other wireless protocols. The thermostat 250 may also include controls 266 allowing users to change settings directly at the thermostat, but such controls are not necessary to allow the thermostat to function.

**[0035]** The data used to generate the content delivered in the form of the website is stored on one or more servers 106 within one or more databases. As shown in **Figure 5**, the overall database structure 300 may include temperature database 400, thermostat settings database 500, energy bill database 600, HVAC hardware database 700, weather database 800, user database 900, transaction database 1000, product and service database 1100 and such other databases as may be needed to support these and additional features.

**[0036]** The website 200 will allow users of connected thermostats 250 to create personal accounts. Each user's account will store information in database 900, which tracks various attributes relative to users of the site. Such attributes may include the make and model of the specific HVAC equipment in the user's home; the age and square footage of the home, the solar orientation of the home, the location of the thermostat in the home, the user's preferred temperature settings, whether the user is a participant in a demand reduction program, etc.

**[0037]** As shown in Figure 3, the website 200 will permit thermostat users to perform through the web browser substantially all of the programming functions traditionally performed directly at the physical thermostat, such as temperature set points, the time at which the thermostat should be at each set point, etc. Preferably the website will also allow users to accomplish more advanced tasks such as allow users to program in vacation settings for times when the HVAC system may be turned off or run at more economical settings, and set macros that will allow changing the settings of the temperature for all periods with a single gesture such as a mouse click.

**[0038]** **Figure 6** represents the screen of a computer or other device 104 using a graphical user interface connected to the Internet. The screen shows that a browser 1200 is displayed on computer 104. In one embodiment, a background application installed on computer 104 detects activity by a user of the computer, such as cursor movement,



keystrokes or otherwise, and signals the application running on server 106 that activity has been detected. Server 106 may then, depending on context, (a) transmit a signal to thermostat 108 changing setpoint because occupancy has been detected at a time when the system did not expect occupancy; (b) signal the background application running on computer 104 to trigger a software routine that instantiates a pop-up window 1202 that asks the user if the server should change the current setpoint, alter the overall programming of the system based upon a new occupancy pattern, etc. The user can respond by clicking the cursor on "yes" button 1204 or "No" button 1206. Equivalent means of signalling activity may be employed with interactive television programming, gaming systems, etc.

[0039] **Figure 7** represents a flowchart showing the steps involved in the operation of one embodiment of the subject invention. In step 1302, computer 104 transmits a message to server 106 via the Internet indicating that there is user activity on computer 104. This activity can be in the form of keystrokes, cursor movement, input via a television remote control, etc. In step 1304 the application queries database 300 to retrieve setting information for the HVAC system. In step 1306 the application determines whether the current HVAC program is intended to apply when the home is occupied or unoccupied. If the HVAC settings then in effect are intended to apply for an occupied home, then the application terminates for a specified interval. If the HVAC settings then in effect are intended to apply when the home is unoccupied, then in step 1308 the application will retrieve from database 300 the user's specific preferences for how to handle this situation. If the user has previously specified (at the time that the program was initially set up or subsequently modified) that the user prefers that the system automatically change settings under such circumstances, the application then proceeds to step 1316, in which it changes the programmed setpoint for the thermostat to the setting intended for the house when occupied. If the user has previously specified that the application should not make such changes without further user input, then in step 1310 the application transmits a command to computer 104 directing the browser to display a message informing the user that the current setting assumes an unoccupied house and asking the user in step 1312 to choose whether to either keep the current settings or revert to the pre-selected setting for an occupied home. If the user selects to retain the current setting, then in step 1314 the application will write to database 300 the fact that the users has so elected and terminate.

If the user elects to change the setting, then in step 1316 the application transmits the revised setpoint to the thermostat. In step 1314 the application writes the updated setting information to database 300.

[0040] **Figure 8** is a flowchart that shows how the invention can be used to select different HVAC settings based upon its ability to identify which of multiple potential occupants is using the computer attached to the system. In step 1402 computer 104 transmits to server 106 information regarding the type of activity detected on computer 104. Such information could include the specific program or channel being watched if, for example, computer 104 is used to watch television. The information matching, for example, TV channel 7 at 4:00 PM on a given date to specific content may be made by referring to Internet-based or other widely available scheduling sources for such content. In step 1404 server 106 retrieves from database 300 previously logged data regarding viewed programs. In step 1406 server 106 retrieves previously stored data regarding the residents of the house. For example, upon initiating the service, one or more users may have filled out online questionnaires sharing their age, gender, schedules, viewing preferences, etc. In step 1408, server 106 compares the received information about user activity to previously stored information retrieved from database 300 about the occupants and their viewing preferences. For example, if computer 104 indicates to server 106 that the computer is being used to watch golf, the server may conclude that an adult male is watching; if computer 104 indicates that it is being used to watch children's programming, server 106 may conclude that a child is watching. In step 1410 the server transmits a query to the user in order to verify the match, asking, in effect, "Is that you, Bob?" In step 1412, based upon the user's response, the application determines whether the correct user has been identified. If the answer is no, then the application proceeds to step 1416. If the answer is yes, then in step 1414 the application retrieves the temperature settings for the identified occupant. In step 1416 the application writes to database 300 the programming information and information regarding matching of users to that programming.

[0041] In an alternative embodiment, the application running on computer 104 may respond to general user inputs (that is, inputs not specifically intended to instantiate communication with the remote server) by querying the user whether a given action should

be taken. For example, in a system in which the computer 104 is a web-enabled television or web-enabled set-top device connected to a television as a display, software running on computer 104 detects user activity, and transmits a message indicating such activity to server 106. The trigger for this signal may be general, such as changing channels or adjusting volume with the remote control or a power-on event. Upon receipt by server 104 of this trigger, server 104 transmits instructions to computer 104 causing it to display a dialog box asking the user whether the user wishes to change HVAC settings.

WHAT IS CLAIMED IS:

1. A method for varying temperature setpoints for an HVAC system comprising:  
determining whether one or more networked electronic devices inside a structure are in use;  
determining whether said use of said networked electronic devices indicates occupancy of said structure; and  
adjusting the temperature setpoint on a thermostatic controller for an HVAC system for said structure based upon whether or not said structure is deemed to be occupied.
2. The method of Claim 1 in which said networked electronic device is a television.
3. The method of Claim 1 in which said networked electronic device is a personal computer.
4. The method of Claim 1 in which said networked electronic device is connected to the Internet.
5. The method of Claim 1 in which programming being watched or listened to using said networked electronic device is used to determine which occupant of said structure is likely to be present, and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said networked electronic device.
6. The method of Claim 1 in which said networked electronic device is a game console.
7. The method of Claim 1 in which said networked electronic device communicates with a remote server.
8. The method of Claim 1 in which said adjusting of said temperature setpoints is logged to a database.
9. The method of Claim 1 in which said adjusting of said temperature setpoints is initiated by a remote computer.
10. The method of Claim 1 in which said temperature setpoints are varied automatically.

11. The method of Claim 1 in which an occupant is prompted to confirm occupancy prior to the adjusting of said temperature setpoint.

12. A system for altering the setpoint on a thermostat for space conditioning of a structure comprising:

at least one thermostat having at least one temperature setting associated with the presence of one or more occupants in a structure, and at least one temperature setting associated with the absence of occupants in said structure;

one or more electronic devices having at least a user interface;

wherein said electronic devices and said thermostat are connected to a network; and

wherein said setpoint on said thermostat is adjusted between said temperature setting associated with the presence of one or more occupants in said structure and said temperature setting associated with the absence of occupants in said structure based upon the use of said user interface for said electronic device.

13. The system of Claim 12 in which said electronic device is a television.

14. The system of Claim 12 in which said electronic device is a personal computer.

15. The system of Claim 12 in which said electronic device is connected to the Internet.

16. The system of Claim 12 in which the programming being watched or listened to using said networked electronic device is used to determine which occupant of said structure is likely to be using said networked electronic device, and the setpoint for said thermostatic controller is selected based upon the preferences of the occupant determined to be using said networked electronic device.

17. The system of Claim 12 in which said networked electronic device is a game console.

18. The system of Claim 12 in which said networked electronic device communicates with a remote server.

19. The system of Claim 12 in which variation of temperature setpoints is logged to a database.

20. The system of Claim 12 in which variation of temperature setpoints is initiated by a remote computer.

21. The system of Claim 12 in which said temperature setpoints are varied automatically.

22. The system of Claim 12 in which an occupant is prompted to confirm occupancy prior to adjustment of said temperature setpoint.

**SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE  
AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM**

**ABSTRACT OF THE DISCLOSURE**

The invention comprises systems and methods for detecting the use of networked consumer electronics devices as indications of occupancy of a structure for purposes of automatically adjusting the temperature setpoint on a thermostatic HVAC control. At least one thermostat is located inside a structure and is used to control an HVAC system in the structure. At least one networked electronic device is used to indicate the state of occupancy of the structure. The state of occupancy is used to alter the setpoint on the thermostatic HVAC control to reduce unneeded conditioning of unoccupied spaces.

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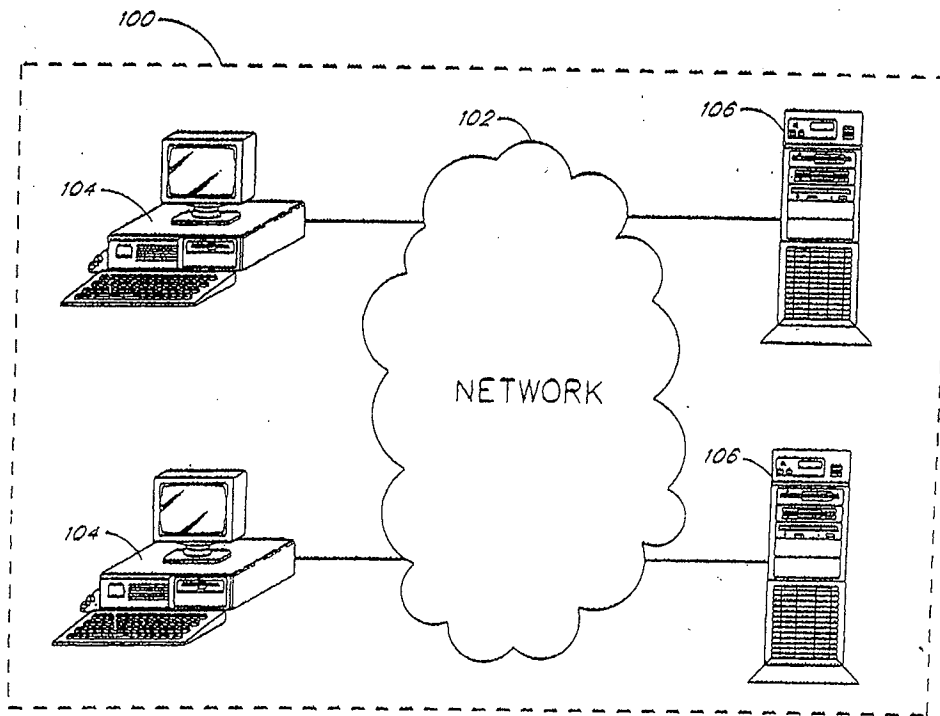


FIG. 1



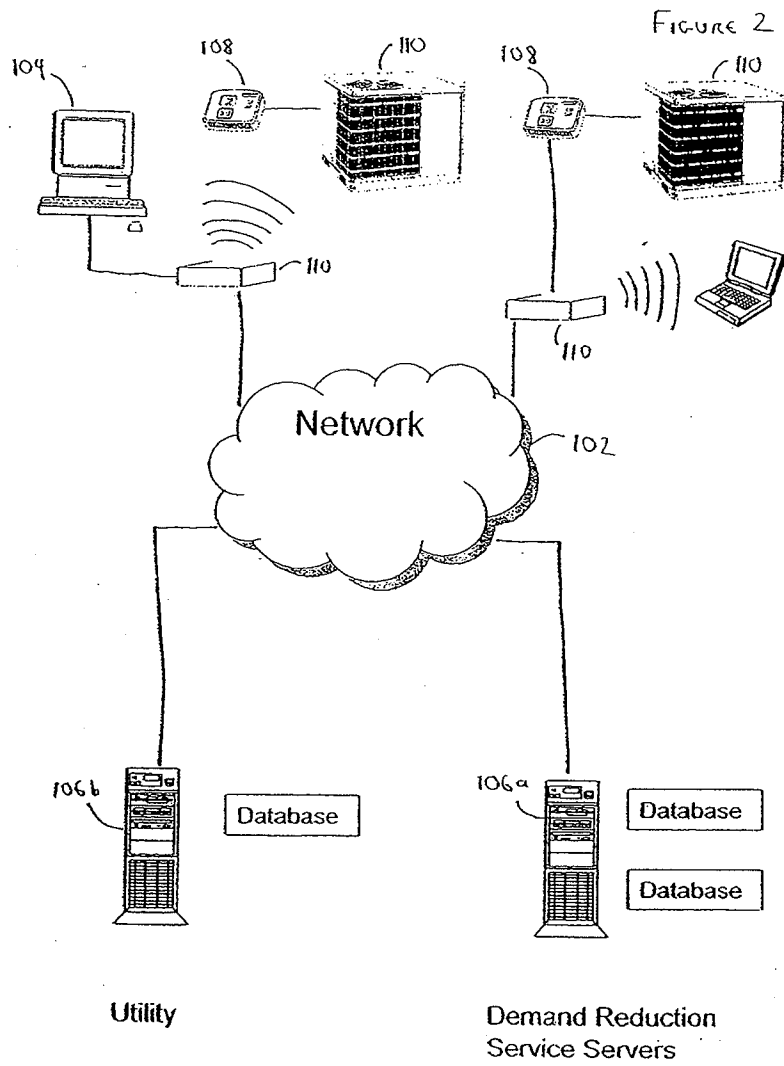


Figure 3

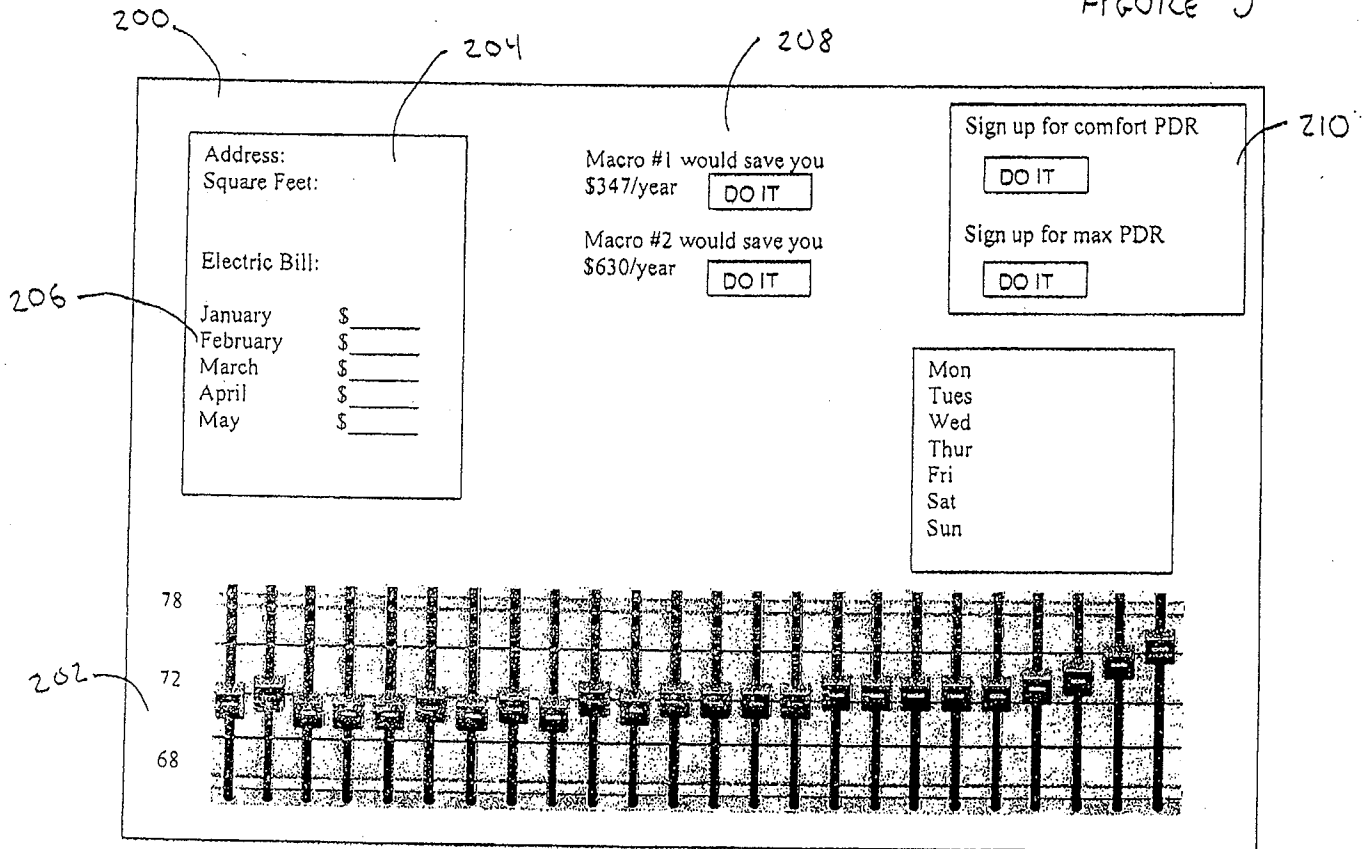


FIGURE 4

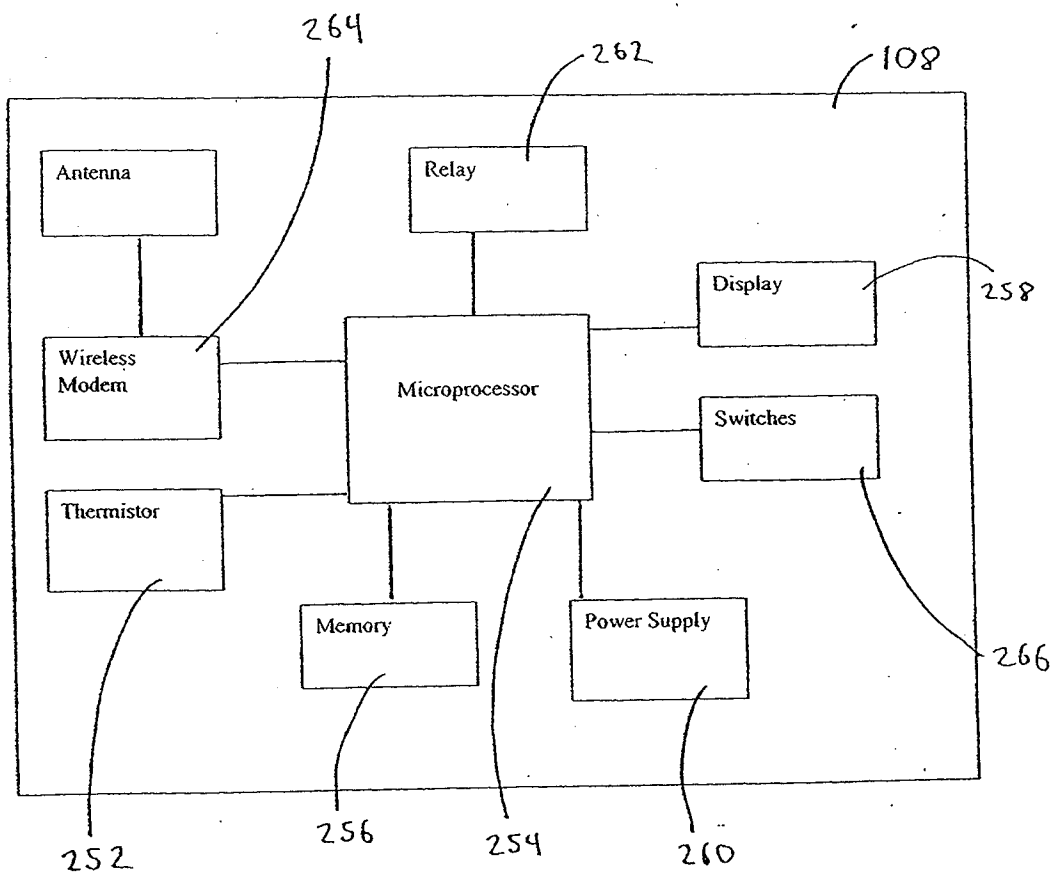


FIGURE 5

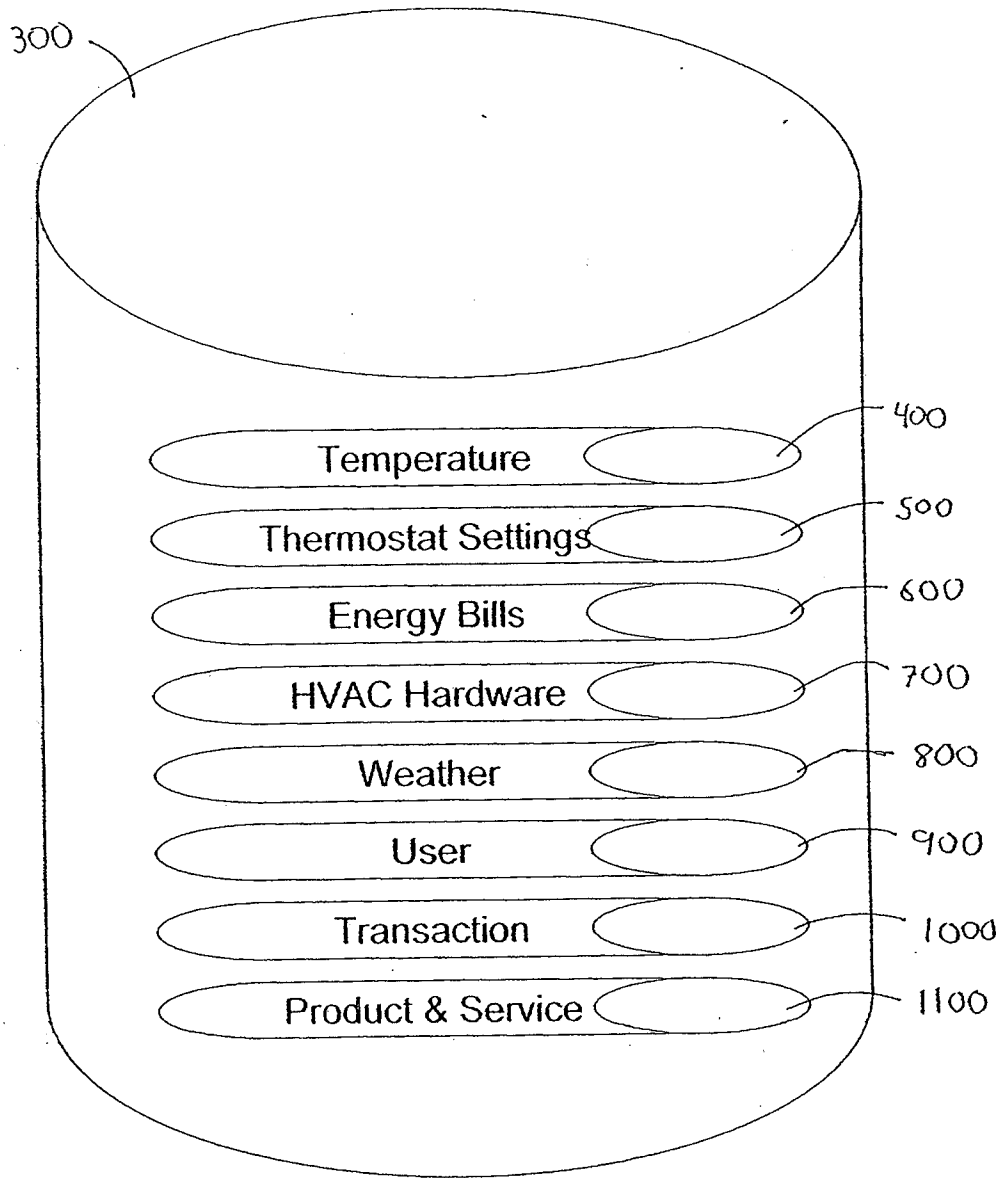


Fig 6

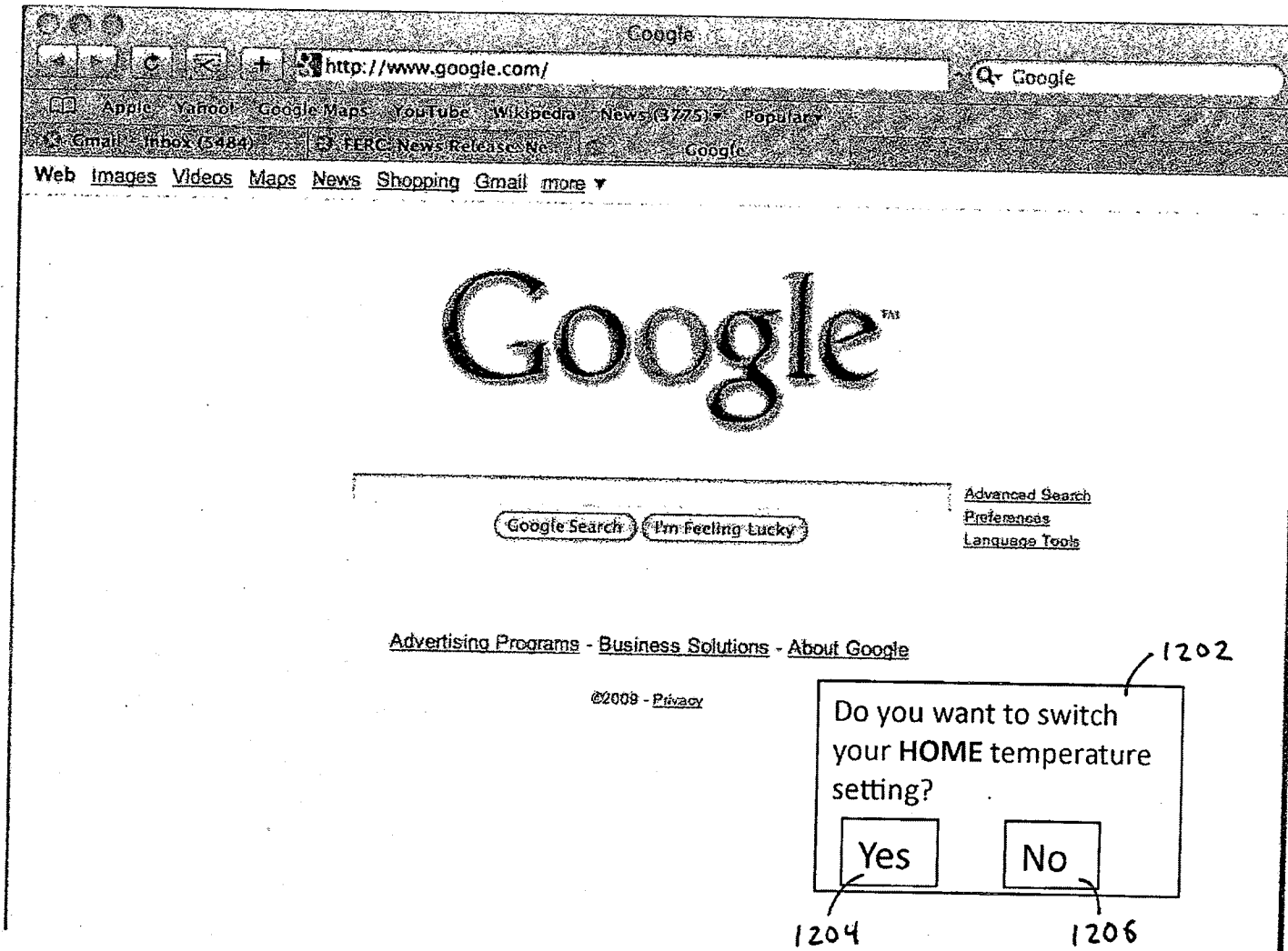


Fig 7

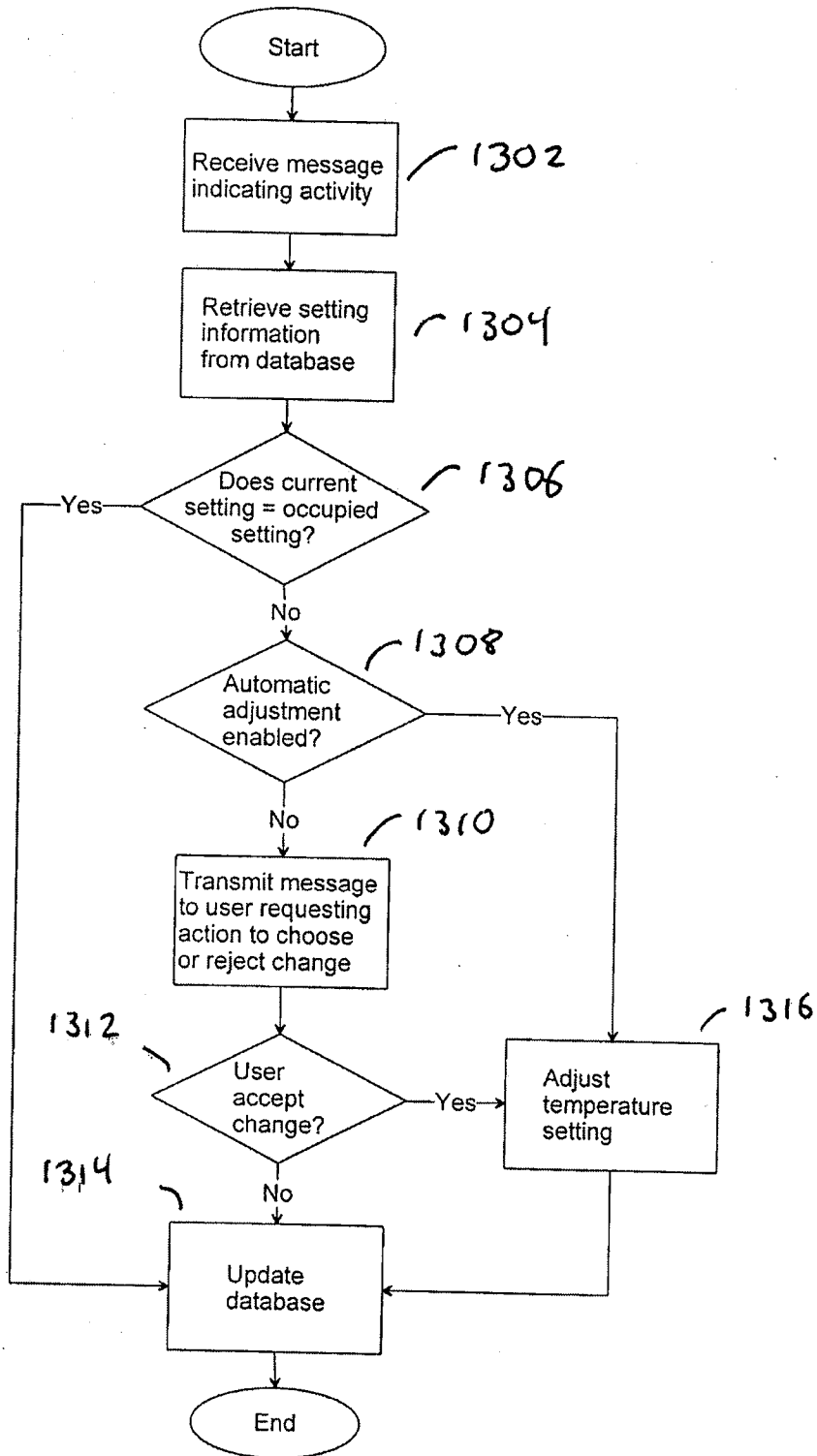
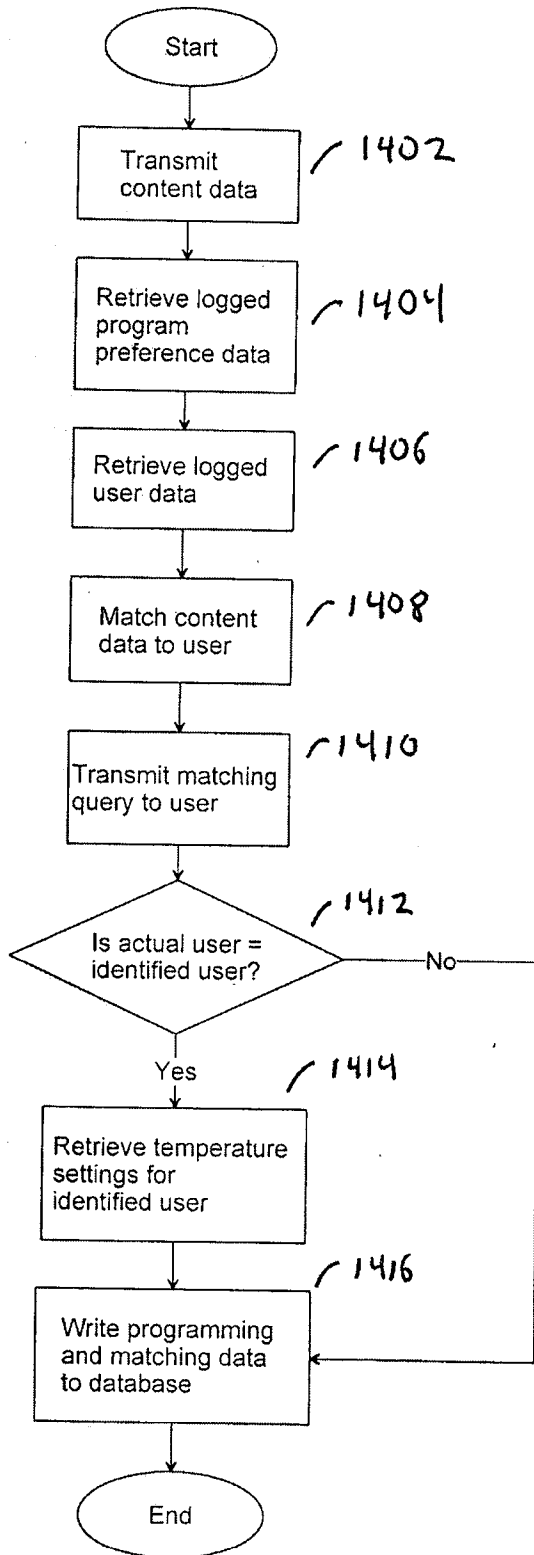


Fig 8



## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	5692168
<b>Application Number:</b>	12502064
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5514
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR USING A NETWORKED ELECTRONIC DEVICE AS AN OCCUPANCY SENSOR FOR AN ENERGY MANAGEMENT SYSTEM
<b>First Named Inventor/Applicant Name:</b>	John Douglas Steinberg
<b>Customer Number:</b>	20995
<b>Filer:</b>	John R. King/Alexandra Benitez
<b>Filer Authorized By:</b>	John R. King
<b>Attorney Docket Number:</b>	JSTEIN.011A
<b>Receipt Date:</b>	13-JUL-2009
<b>Filing Date:</b>	
<b>Time Stamp:</b>	18:40:28
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	JSTEIN-011A_ADS.pdf	242737 3cf14cd923b219adb555c62e009dbf1a9d b3c9e	no	4

### Warnings:

<b>Information:</b>	0280
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This is not an USPTO supplied ADS fillable form					
2		JSTEIN-011A_spec.pdf	753309	yes	16
			8fb6dc16a0492cfa953e6e3be2139679bb86df4		
	<b>Multipart Description/PDF files in .zip description</b>				
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Specification		1	12	
	Claims		13	15	
	Abstract		16	16	
<b>Warnings:</b>					
<b>Information:</b>					
3	Drawings-only black and white line drawings	JSTEIN-011A_drawings.pdf	214996	no	8
			a29ca40086778e156761153ba219e03f10b8ed7d		
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			1211042		

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**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**

Filing Date: 07/13/09

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>PATENT APPLICATION FEE DETERMINATION RECORD</b> Substitute for Form PTO-875	<b>12/502,064</b>
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APPLICATION AS FILED – PART I			SMALL ENTITY		OTHER THAN SMALL ENTITY	
	(Column 1)	(Column 2)				
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	<b>82</b>	N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	<b>270</b>	N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	<b>110</b>	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	<b>22</b>	<b>2</b>	X\$26	<b>52</b>	52	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	<b>2</b>	minus 3 = <b>0</b>	110		220	
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).					
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))			195		390	
			<b>TOTAL</b>	<b>517</b>	<b>TOTAL</b>	

\* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II					SMALL ENTITY		OTHER THAN SMALL ENTITY	
	(Column 1)	(Column 2)	(Column 3)					
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	
Total (37 CFR 1.16(i))	*	Minus **	=	X =		X =		
Independent (37 CFR 1.16(h))	*	Minus ***	=	X =		X =		
Application Size Fee (37 CFR 1.16(s))								
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))				N/A		N/A		
				<b>TOTAL ADD'T FEE</b>		<b>TOTAL ADD'T FEE</b>		

APPLICATION AS AMENDED – PART II					SMALL ENTITY		OTHER THAN SMALL ENTITY	
	(Column 1)	(Column 2)	(Column 3)					
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	
Total (37 CFR 1.16(i))	*	Minus **	=	X =		X =		
Independent (37 CFR 1.16(h))	*	Minus ***	=	X =		X =		
Application Size Fee (37 CFR 1.16(s))								
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))				N/A		N/A		
				<b>TOTAL ADD'T FEE</b>		<b>TOTAL ADD'T FEE</b>		

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.