AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 **Director of the U.S. Patent and Trademark Office** **P.O. Box 1450** **Alexandria, VA 22313-1450**	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
1	8/4/2022	Eastern District of Texas

PLAINTIFF	DEFENDANT
APPLIED CAPITAL, INC.	MOTOROLA SOLUTIONS, INC.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,378,817	2/19/2013	Applied Capital, Inc.
2	9,728,082	8/8/2017	Applied Capital, Inc.
3			
4			
5			

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
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5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court District of New Mexico on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
CV 16-815 JFB/SCY	7/13/2016	District of New Mexico

PLAINTIFF	DEFENDANT
Applied Capital, Inc.	ADT Corporation et al

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	8,378,817	2/19/2013	Rodney W Fox / Applied Capital, Inc., Albuquerque, NM
2			
3			
4			
5			

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT
Stipulated Dismissal pursuant to Federal Rule Civil Procedure 41(a). Dismissed with Prejudice.

CLERK	(BY) DEPUTY CLERK	DATE
Mitchell R. Elfers	Gene Rael	5/27/2021

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF NEW MEXICO

APPLIED CAPITAL, LLC,	§	
	§	
Plaintiff,	§	
	§	
v.	§	Civil Action No. 1:16-cv-00815-JFB-SCY
	§	
THE ADT CORPORATION and ADT, LLC,	§	
	§	
Defendants.	§	

JOINT STIPULATION OF DISMISSAL WITH PREJUDICE

Pursuant to Federal Rule of Civil Procedure 41(a)(1)(A)(ii), plaintiff Applied Capital, LLC and defendants The ADT Corporation and ADT, LLC, by and through their counsel of record, stipulate to the dismissal with prejudice of all claims in this action, each party to bear its own attorneys' fees and costs.

Respectfully submitted,

By: */s/ Samuel E. Joyner*
Luis M. Ortiz
lortiz@olpatentlaw.com
Richard Krukar
krukar@olpatentlaw.com
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Facsimile: (214) 593-9111

Counsel for Applied Capital, Inc.

By: */s/ Michael E. Zeliger*
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811 Main Street, Suite 2900
Houston, Texas 77002
Telephone: (713) 437-1800
Facsimile: (713) 437-1810

Counsel for Defendants
The ADT Corporation and ADT, LLC

CERTIFICATE OF SERVICE

In accordance with Federal Rule of Civil Procedure 5 and Local Rule 5.1, I hereby certify that all counsel of record who are deemed to have consented to electronic service are being served with a copy of this document through the Court's CM/ECF system on May 25, 2021.

/s/ Samuel E. Joyner
Samuel E. Joyner

IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF NEW MEXICO

APPLIED CAPITAL, LLC, Plaintiff, vs. THE ADT CORPORATION and ADT, LLC, Defendants.	**1:16-CV-815-JFB-SCY** **ORDER**

This matter comes before the Court on the parties' Joint Stipulation of Notice of Dismissal with Prejudice (Doc. 280). The Court being advised in the premises finds that such an Order is proper.

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED that pursuant to Federal Rule of Civil Procedure 41(a), this action be dismissed with prejudice, with each party to bear its own attorneys' fees and costs.

Dated this 27th day of May 2021.

BY THE COURT:

s/ Joseph F. Bataillon
Senior United States District Judge

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/695,373	01/28/2010	Rodney W. Fox	33340-1001

CONFIRMATION NO. 7795

153059
Wilcox & Myers, P.C.
P.O Box 70238
Albuquerque, NM 87197

POA ACCEPTANCE LETTER

OC000000097581413

Date Mailed: 02/22/2018

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/16/2018.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/agizaw/

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/695,373	01/28/2010	Rodney W. Fox	33340-1001

CONFIRMATION NO. 7795

POWER OF ATTORNEY NOTICE

5179
PEACOCK Law, P.C.
201 THIRD STREET, N.W.
SUITE 1340
ALBUQUERQUE, NM 87102

OC000000097581385

Date Mailed: 02/22/2018

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/16/2018.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/agizaw/

Electronic Acknowledgement Receipt	
EFS ID:	31814238
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	PREMISES MONITORING SYSTEM
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	5179
Filer:	Jeffrey Myers
Filer Authorized By:	
Attorney Docket Number:	33340-1001
Receipt Date:	16-FEB-2018
Filing Date:	28-JAN-2010
Time Stamp:	13:00:35
Application Type:	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		POA3.pdf	388841 39b4a2e7fe2bdfc66c9c3359db6a432fad45df29	yes	3

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Power of Attorney	1	1
	Assignee showing of ownership per 37 CFR 3.73	2	3
Warnings:			
Information:			
	Total Files Size (in bytes):	388841	

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.

PTO/AIA/81A (02-15)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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

PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Patent Number	8,378,817
Issue Date	2/19/2013
First Named Inventor	Rodney W. Fox
Title	Premises Monitoring System
Attorney Docket No.	33340-1001

I hereby revoke all previous powers of attorney given in the above-identified patent.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint Practitioner(s) associated with the Customer Number identified in the box at right as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: 153059

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified patent to:

☒ The address associated with the above-identified Customer Number.

OR

☐ The address associated with the Customer Number identified in the box at right:

OR

☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the:

☐ Applicant.

OR

☒ Patent owner.

Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on _____.

SIGNATURE of Applicant or Patent Owner

Signature	Jim Scott	Date	2/15/18
Name	Jim Scott	Telephone	505 342 1840
Title and Company	President, Applied Capital, Inc.		

NOTE: Signatures of all the applicants or patent owners of the entire interest or their representative(s) are required. If more than one signature is required, submit multiple forms, check the box below, and identify the total number of forms submitted in the blank below.

☐ A total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 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.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: Applied Capital, Inc.

Application No./Patent No.: 8,378,817 Filed/Issue Date: 2/19/2013

Titled: Premises Monitoring System

Applied Capital, Inc., a New Mexico corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

   ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

   ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Rodney W. Fox To: Applied Capital, Inc.

   The document was recorded in the United States Patent and Trademark Office at

   Reel 026026, Frame 0216, or for which a copy thereof is attached.

2. From: Rodney W. Fox To: Applied Capital, Inc.

   The document was recorded in the United States Patent and Trademark Office at Note Bill of Sale.

   Reel 038010, Frame 0161, or for which a copy thereof is attached.

This collection of information is required by 37 CFR 3.73(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 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.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Jm Scott — Signature

2/15/13 — Date

John Scott — Printed or Typed Name

President — Title or Registration Number

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court New Mexico on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
1:16-cv-00815-KK-SCY	7/13/2016	New Mexico

PLAINTIFF	DEFENDANT
Applied Capital Inc.	The ADT Corporation et al

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8378817		See attached complaint.
2		
3		
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
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4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
Matthew J. Dykman	Mollie Duran	7/14/2016

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/695,373	02/19/2013	8378817	33340-1001	7795

5179 7590 01/30/2013

PEACOCK MYERS, P.C.
201 THIRD STREET, N.W.
SUITE 1340
ALBUQUERQUE, NM 87102

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 325 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):

Rodney W. Fox, Couer d'Alene, ID;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

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)

5179 7590 12/11/2012

PEACOCK MYERS, P.C.
201 THIRD STREET, N.W.
SUITE 1340
ALBUQUERQUE, NM 87102

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.
12/695,373	01/28/2010	Rodney W. Fox	33340-1001	7795

TITLE OF INVENTION: PREMISES MONITORING SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$885	$300	$0	$1185	03/11/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
ALAM, MIRZA F	2689	340-540000

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 Jeffrey D. Myers
2 Peacock Myers, P.C.
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: APPLIED CAPITAL, INC.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Albuquerque, NM

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. XXXXXXXXXXXXXXXX
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 13-4213 (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 [signature] Date January 4, 2013

Typed or printed name Deborah A. Peacock Registration No. 31649

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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Electronic Patent Application Fee Transmittal

Application Number:	12695373
Filing Date:	28-Jan-2010
Title of Invention:	PREMISES MONITORING SYSTEM
First Named Inventor/Applicant Name:	Rodney W. Fox
Filer:	Jeffrey Myers/Svitlana Anderson
Attorney Docket Number:	33340-1001

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl issue fee	2501	1	885	885
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1185**

Electronic Acknowledgement Receipt

EFS ID:	14623308
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	PREMISES MONITORING SYSTEM
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	5179
Filer:	Jeffrey Myers/Svitlana Anderson
Filer Authorized By:	Jeffrey Myers
Attorney Docket Number:	33340-1001
Receipt Date:	04-JAN-2013
Filing Date:	28-JAN-2010
Time Stamp:	19:02:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1185
RAM confirmation Number	5600
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Issue Fee Payment (PTO-85B)	12695373_Issue_TRM_.pdf	331037 753a8f2b784f7224c2241bae877fd8dfdb16f731	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	31650 97f513f09aa1c019efac3cf539ef5816fe5d0b76	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	362687		

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

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NOTICE OF ALLOWANCE AND FEE(S) DUE

5179 7590 12/11/2012

PEACOCK MYERS, P.C.
201 THIRD STREET, N.W.
SUITE 1340
ALBUQUERQUE, NM 87102

EXAMINER
ALAM, MIRZA F

ART UNIT	PAPER NUMBER
2689	

DATE MAILED: 12/11/2012

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/695,373	01/28/2010	Rodney W. Fox	33340-1001	7795

TITLE OF INVENTION: PREMISES MONITORING SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$885	$300	$0	$1185	03/11/2013

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
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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)

5179 7590 12/11/2012

PEACOCK MYERS, P.C.
201 THIRD STREET, N.W.
SUITE 1340
ALBUQUERQUE, NM 87102

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.
12/695,373	01/28/2010	Rodney W. Fox	33340-1001	7795

TITLE OF INVENTION: PREMISES MONITORING SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	$885	$300	$0	$1185	03/11/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
ALAM, MIRZA F	2689	340-540000

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 _____

2 _____

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 (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

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 _____ (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 _____ 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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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/695,373	01/28/2010	Rodney W. Fox	33340-1001	7795

5179 7590 12/11/2012

PEACOCK MYERS, P.C.
201 THIRD STREET, N.W.
SUITE 1340
ALBUQUERQUE, NM 87102

EXAMINER	
ALAM, MIRZA F	
ART UNIT	**PAPER NUMBER**
2689	

DATE MAILED: 12/11/2012

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 303 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 303 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	Application No.	Applicant(s)	
	12/695,373	FOX, RODNEY W.	
	Examiner	Art Unit	
	MIRZA ALAM	2689	

-- 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 *09/25/2012*.

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 *1-3 and 8-20*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov .

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. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ 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).

6. ☐ 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. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☒ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed on **September 25, 2012** have been fully considered and they are persuasive.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given over telephone from applicant's representative Jeffrey D. Myers on 11/21/2012.

Amendment to the claims

1. (Currently Amended) A method comprising:

receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems;

retrieving enhanced information based on the device identifier [[and/or]] and the device condition;

determining one or more communication methods [[and/or]] and communication destinations based on the device identifier [[and/or]] and the device condition; and dispatching the enhanced information to the one or more communication destinations using the one or more communication methods; and

wherein the retrieving enhanced information based on the device identifier [[and/or]] and the device condition comprises retrieving images based on the device identifier [[and/or]] and the device condition, the images comprising all of the members selected from the group consisting of superimposed visual indicators, hierarchically organized graphical images, and vector-based graphical images.

2. (Original) The method of Claim 1, wherein the receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems comprises:

receiving one or more signals containing a device identifier for a smoke detector, a pull station, a security detector, a carbon monoxide detector, [[and/or]] and a check-in monitor from one or more remote alarm monitoring systems.

3. (Original) The method of Claim 1, wherein the receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems comprises:

receiving one or more signals containing a device condition of normal, fault, [[and/or]] and supervisory from one or more remote alarm monitoring systems.

Cancel claims 4-7.

8. (Original) The method of Claim 1, wherein the retrieving enhanced information based on the device identifier [[and/or]] and the device condition comprises:

retrieving enhanced information including one or more sounds based on the device identifier [[and/or]] and the device condition.

9. (Original) The method of Claim 8, wherein the retrieving enhanced information including one or more sounds based on the device identifier [[and/or]] and the device condition comprises:

retrieving enhanced information including one or more sounds organized on one or more graphical images based on the device identifier [[and/or]] and the device condition.

10, (Original) The method of Claim 1, wherein the retrieving enhanced information based on the device identifier [[and/or]] and the device condition comprises:

retrieving enhanced information including one or more communication links based on the device identifier [[and/or]] and the device condition.

11, (Original) The method d Claim 10, wherein the retrieving enhanced information including one or more communication links based on the device identifier [[and/or]] and the device condition comprises:

retrieving enhanced information including one or more communication links organized on one or more graphical images based on the device identifier [[and/or]] and the device condition.

12. (Original) The method of Claim 1, wherein the retrieving enhanced information based on the device identifier [[and/or]] and the device condition comprises:

retrieving enhanced information including written information based on the device identifier [[and/or]] and the device condition.

13, (Original) The method of Claim 12, wherein the retrieving enhanced information including written information based on the device identifier [[and/or]] and the device condition cormprises:

retrieving enhanced information including date/time information, account information, premises information, device information, condition information, support information, contact information, linked information, [[and/or]] and instructional information based on the device identifier [[and/or]] and the device condition.

14. (Original) The method of Claim 12, wherein the retrieving enhanced information

including written information based on the device identifier [[and/or]] and the device condition comprises:

retrieving enhanced information including written information organized on one or mere graphical images based on the device identifier [[and/or]] and the device condition.

15. (Original) The method of Claim 1, wherein the determining one or more communication methods [[and/or]] and communication destinations based on the device identifier [[and/or]] and the device condition comprises [[,]]:

determining one or more communication methods of email, text message, instant message, website link, phone, [[and/or]] and mail based on the device identifier [[and/or]] and the device condition.

16. (Original) The method of Claim 1, wherein the determining one or more communication methods [[and/or]] and communication destinations based on the device identifier [[and/or]] and the device condition comprises:

determining one or more device communication destinations of a personal computer, a phone, a mobile device, a display, [[and/or]] and a custom device based on the device identifier [[and/or]] and the device condition.

17. (Original) The method of Claim 1, wherein the determining one or more communication methods [[and/or]] and communication destinations based on the device identifier [[and/or]] and the device condition comprises:

determining one or more entity communication destinations of an authority, a first responder, a service company, an owner, a manager, a staff, an occupant, a supplier, a customer, a neighbor, [[and/or]] and a custom entity based on the device identifier [[and/or]] and the device condition.

18. (Original) The method of Claim 1, wherein the dispatching the enhanced information to the one or more communication destinations using the one or more communication methods comprises:

dispatching the enhanced information automatically without requiring operator intervention to the one or more communication destinations using the one or more communication methods.

19. (Original) The method of Claim 1, further comprising:

receiving enhanced information, one or more communication methods, [[and/or]] and one or more communication destinations via a user interface that is remotely accessible.

20. (Original) The method of Claim 1, further comprising:

receiving one or more communication methods [[and/or]] and one or more communication destinations from data of a personal device.

Allowable Subject Matter

3. **Claims 1-3 and 8-20** are allowed in light of the prior art made of record.

Reasons for Allowance

4. The following is a statement of reasons for allowance for **claims 1-3 and 8-20**.

None of the prior art of record teaches the non-obvious feature of the present invention where a method comprising: receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems; retrieving enhanced information based on the device identifier and/or the device condition; determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition; and dispatching the enhanced information to the one or more communication destinations using the one or more communication methods and the retrieving enhanced information including one or more graphical images based on the device identifier and/or the device condition comprises: retrieving enhanced information including one or more graphical images having one or more superimposed meaningful audio and/or visual indicators based on the device identifier and/or the device condition and retrieving enhanced information including one or more vector-based graphical images based on the device identifier and/or the device condition..

None of the prior art of record, either taken by itself or in any combination, would have anticipated or made obvious the invention of the present application at or before the time it was filed.

Therefore, **claims 1-3 and 8-20** are hereby allowed. Discussion of relevant references follows.

Petite (US 2005/0190055 A1) (prior art on the record) teaches A condition detector comprising: a sensor to provide an alarm signal upon detecting a condition; a communication device having a unique address, to wirelessly transmit the alarm signal by formatting the alarm into a packet; a gateway geographically remote from the communication device to receive the wireless alarm signal packet and transmit the alarm signal via a WAN to a monitoring device, the monitoring device being adapted to receive the alarm signal and a receiver address comprising a scalable address of the remote monitoring device; a sender address comprising the unique address of the communication device; a command indicator comprising a command code; at least one data value comprising a scalable message; and an error detector that is a redundancy check error detector.

Jung et al. (US 2008/0305806 A1) (prior art on the record) teaches relates to associating an at least one identifiable person and/or identifiable communication device with an at least one context at least partially by specifying an at least one context designated destination that designates the at least one identifiable person and/or

identifiable communication device based at least partially on the at least one context and the context designated destination communication system, which may be configured to include a variety of communication mechanisms, systems, and/or techniques such as can utilize a variety of movable or fixed phone systems, cell phones, satellite phones, computer networks, music and/or audio providing devices (such as IPODs), telecommunication devices, etc. The context designated destination communication system can be configured such that a number of persons and/or devices can attempt to communicate with each other based at least partially on at least one context. Certain embodiments of the context designated destination communication system 100 can operate such as by designating the context based at least partially on a designated destination, etc. of a particular or suitable person and/or a particular device. As such, certain embodiments of the context-based information that can be directed to-based at least partially on a context designated destination, such as to be based at least partially on the at least one context of the person and/or at least one context of the device.

Au et al. (**US 2006/0227997 A1**) (prior art on the record) teaches a methods for defining, detecting, analyzing, indexing, and retrieving events using video image processing techniques are described herein. An illustrative method of detecting and analyzing events occurring within a region of interest of a video monitoring system may include the steps of extracting information regarding one or more objects located within a region of interest, analyzing the extracted information to detect the occurrence of one

or more events within the region of interest, matching at least one of the detected events with a corresponding user-specified event, and performing an action response upon the detection of such an event. The detected events may be defined as a set of semantic parameters relating to the object's state and/or physical features, which can be compared against a corresponding set of semantic parameters programmed within a video image-processing appliance manager and the method further comprising the step of providing a video image-processing appliance manager in communication with one or more appliance modules and step of analyzing the extracted information to detect the occurrence of one or more events occurring within the region of interest is accomplished using an event detection module.

Naidoo et al. (**US 2003/0062997 A1**) (prior art on the record) teaches a security system for providing security monitoring, comprising: a security gateway located at a designated premises, wherein the security gateway is operable to detect an alarm condition and to record video of at least a portion of the premises relating to the alarm condition, said video hereinafter referred to the Alarm Video; a security system server operatively coupled to the security gateway, wherein the security gateway is configured to transfer to the security system server a notification of the alarm condition and the corresponding Alarm Video to the security system server in substantially real time; a plurality of monitoring clients operatively coupled to the security system server; wherein the security system server is configured to transfer the notification of the alarm condition and the Alarm Video to one or more of the plurality of monitoring clients, referred to as

designated monitoring clients, based upon a predefined set of one or more rules; and wherein said designated monitoring clients are configured to display at least a portion of the Alarm Video and the Associated User Data, and wherein said designated monitoring clients are configured to notify the security system server whether the notification of the alarm condition corresponds to an actual alarm condition.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MIRZA ALAM whose telephone number is (571)270-7197. The examiner can normally be reached on 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer Mehmood can be reached on (571) 272- 2976. 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.

/M. A./

Examiner, Art Unit 2689

/Jennifer Mehmood/

Supervisory Patent Examiner, Art Unit 2689

Notice of References Cited	Application/Control No. 12/695,373	Applicant(s)/Patent Under Reexamination FOX, RODNEY W.	
	Examiner MIRZA ALAM	Art Unit 2689	Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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*	B	US-2009/0022362	01-2009	Gagvani et al.	382/100
*	C	US-2008/0048861	02-2008	Naidoo et al.	340/541
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*	E	US-2008/0258913	10-2008	Busey, Andrew	340/540
*	F	US-2010/0204960	08-2010	Hagadone et al.	702/188
*	G	US-2006/0028336	02-2006	Glenn et al.	340/531
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*	I	US-2003/0062997	04-2003	Naidoo et al.	340/531
*	J	US-2006/0123007	06-2006	Aaron et al.	707/009
*	K	US-2008/0305806	12-2008	Jung et al.	455/456.1
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	M	US-			

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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12695373	FOX, RODNEY W.
	Examiner	**Art Unit**
	MIRZA ALAM	2689

SEARCHED

Class	Subclass	Date	Examiner
340	539.1, 531, 506, 539, 5.64, 539.18, 505, 539.18, 7.58, 7.52, 10.1, 5.64, 425.5, 904, 540, 541	11/20/2012	MA
455	412.1, 412.2, 404.1, 521, 403, 550, 426, 422	4/17/2012	MA
379	37-40, 45-47, 49	4/17/2012	MA
370	310, 338, 310.2, 312, 313, 328, 400, 401	4/17/2012	MA

SEARCH NOTES

Search Notes	Date	Examiner
EAST	11/21/2012	MA
PALM	4/17/2012	MA
INVENTOR SEARCH	4/17/2012	MA

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner
340	540 and 531 and 541 and 539.18 and (motion$1 and glass$1 and door$1 and window$1 and infrared$1 and sound$1 and pressure$1 and tension$1 and magnet$6 and temperature$1 and humid$3 and fire$1 and smoke$1).clm.	11/21/2012	MA
340	3.1 and (((transmit$4 or send$3)same (video$1 or frame$1) same (user$1 or recipient$1) same profile$1) same (identify$3 or identifi$6 or verify$3 or verifi$6) same (authenticat$3 or secure$5 or access$1)).clm.	11/21/2012	MA
340	(((surveill$4 or securit$3 or intru$4 or send$3) with (video$1 or frame$1) with select$2 with (user$1 or recipient$1)) same (identify$3 or identifi$6 or verify$3) and (image graphical video) and (visual near2 indicator)).clm.	11/21/2012	MA
340	((detect$4 same motion$1 same entry$1 same (authoriz$6) same identif$7) and (image graphical video) and (visual near2 indicator)).clm.	11/21/2012	MA

/M.A./ Examiner.Art Unit 2689	

INTERFERENCE SEARCH			
Class	**Subclass**	**Date**	**Examiner**
340	(motion$1 and glass$1 and door$1 and window$1 and infrared$1 and sound$1 and pressure$1 and tension$1 and magnet$6 and temperature$1 and humid$3 and fire$1 and smoke$1)).clm.	11/21/2012	MA
340	(retri$5 near2 informat$5) same (device identifier) with (image graphical video) and (visual near2 indicator)).clm.	11/21/2012	MA
340	((alert$1 same (vary$3 or vari$4 or flex$4 or chang$3) same time$1 same day$1 same week$1) and (image graphical video) and (visual near2 indicator)).clm.	11/21/2012	MA
382	((detect$4 same motion$1 same entry$1 same (authoriz$6) same identif$7) and (image graphical video) and (visual near2 indicator)).clm.	11/14/2012	MA
382	((transmitS4 or send$3) same (video$1 or frame$1) same select$2 same (user$1 or recipient$1)) same (identify$3 or identifi$6) and (image graphical video) and (visual near2 indicator)).clm.	11/21/2012	MA
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455	(motion$1 and glass$1 and door$1 and window$1 and infrared$1 and sound$1 and pressure$1 and tension$1 and magnet$6 and temperature$1 and humid$3 and fire$1 and smoke$1).clm.	11/21/2012	MA
455	(retri$5 near2 informat$5) same (device identifier) with (image graphical video) and (visual near2 indicator)).clm.	11/21/2012	MA

/M.A./ Examiner.Art Unit 2689	

EAST Search History

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L27	1	(motion$1 and glass$1 and door$1 and window$1 and infrared$1 and sound$1 and pressure$1 and tension$1 and magnet$6 and temperature$1 and humid$3 and fire$1 and smoke$1).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:44
L28	1494	((image graphical video) and (visual near2 indicator)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:45
L29	0	((alert$1 same (vary$3 or vari$4 or flex$4 or chang$3) same time$1 same day$1 same week$1) and (image graphical video) and (visual near2 indicator)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:45
L30	179	(((transmitS4 or send$3) same (video$1 or frame$1) same select$2 same (user$1 or recipient$1)) same (identify$3 or identifi$6)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:45
L31	17	(((transmit$4 or send$3)same (video$1 or frame$1) same (user$1 or recipient$1) same profile$1) same (identify$3 or identifi$6 or verify$3 or verifi$6) same (authenticat$3 or secure$5 or access$1)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:46
L32	6	((retri$5 near2 informat$5) same (device identifier) with (image graphical video) and (visual near2 indicator)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:46
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L34	0	(((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (verify$3 or verifi$6 or authentic$5)) and (image graphical video) and (visual near2 indicator)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:48
L35	0	((survei$3 or securit$3 or intru$4 or buglar$1) same vide$l same motion$1 same multiple$1 same level$1).clm.	US-PGPUB; USPAT;	OR	OFF	2012/11/21 08:48

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L37	49	(((transmitS4 or send$3)with (video$1 or frame$1) with select$2 with (user$1 or recipient$1)) same (identify$3 or identifi$6)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:49
L38	0	((detect$4 same motion$1 same entry$1 same (authoriz$6) same identif$7) and (image graphical video) and (visual near2 indicator)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:50
L39	0	(((transmitS4 or send$3) same (video$1 or frame$1) same select$2 same (user$1 or recipient$1)) same (identify$3 or identifi$6) and (image graphical video) and (visual near2 indicator)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:51
L40	0	(((surveill$4 or securit$3 or intru$4 or send$3) with (video$1 or frame$1) with select$2 with (user$1 or recipient$1)) same (identify$3 or identifi$6 or verify$3) and (image graphical video) and (visual near2 indicator)).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2012/11/21 08:55

11/21/2012 8:56:17 AM
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EAST Search History

EAST Search History (Prior Art)

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L7	5	("5839076" | "6618593" | "7280822" | "7529537" | "8014763").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/11/21 07:46
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L10	4	L5 and (motion$1 and glass$1 and door$1 and window$1 and infrared$1 and sound$1 and pressure$1 and tension$1 and magnet$6 and temperature$1 and humid$3 and fire$1 and smoke$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 07:48
L11	0	L1 and (retrive near2 informat$5) same (device identifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 07:50
L12	294	L1 and (retri$5 near2 informat$5) same (device identifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 07:50
L13	0	L12 and (image graphical video) with (visual near2 indicator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 07:51
L14	5	L12 and (image graphical video) and (visual near2 indicator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 07:51
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L17	372	((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (verify$3 or verifi$6 or authentic$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 07:53
L18	22	L17 and (image graphical video) and (visual near2 indicator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 07:54
L19	120	("20020147982" | "20040041910" | "20040172396" | "4591834" | "4918717" | "4962473" | "5164703" | "5164979" | "5280527" | "5283816" | "5400011" | "5406260" | "5412708" | "5414409" | "5414833" | "5448290" | "5452344" | "5510975" | "5525966" | "5526428" | "5534845" | "5541585" | "5543778" | "5546447" | "5550984" | "5557254" | "5570079" | "5572438" | "5602918" | "5604493" | "5606615" | "5621662" | "5625410" | "5629687" | "5631630" | "5638046" | "5652567" | "5675321" | "5680131" | "5682133" | "5686885" | "5689235" | "5689708" | "5691697" | "5694595" | "5696486" | "5696898" | "5706191" | "5712679" | "5714933" | "5717378" | "5719551" | "5726912" | "5736927" | "5737391" | "5748084" | "5748089" | "5757616" | "5761206" | "5774051" | "5784461" | "5784463" | "5793028" | "5793763" | "5801618" |	US-PGPUB; USPAT; USOCR	OR	OFF	2012/11/21 07:54

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L20	41	(alert$1 same (vary$3 or vari$4 or flex$4 or chang$3) same time$1 same day$1 same week$1) and (image graphical video) and (visual near2 indicator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 08:39
L21	122	("20010052132" | "20020097917" | "20020141732" | "20030025599" | "20030058934" | "20030071899" | "20030120802" | "20040068583" | "20050055727" | "20050130803" | "20050138083" | "4163283" | "4179695" | "4197526" | "4197536" | "4516125" | "4831438" | "4845629" | "4857912" | "4891650" | "4910692" | "5027104" | "5027114" | "5091780" | "5109278" | "5111291" | "5166746" | "5218367" | "5243340" | "5243530" | "5268698" | "5283643" | "5321615" | "5334982" | "5350890" | "5351194" | "5400031" | "5408330" | "5432838" | "5440337" | "5440343" | "5448243" | "5463595" | "5469371" | "5497149" | "5508736" | "5509009" | "5530440" | "5553609" | "5557254" | "5557278" | "5598167" | "5612668" | "5627753" | "5629691" | "5636122" | "5642285" | "5666157" | "5670961" | "5677979" | "5689442" | "5712679" | "5712899" | "5714948" | "5742336" | "5751346" | "5777551" | "5777580" | "5793416" | "5825283" | "5835059" | "5850180" | "5867804" | "5917405" | "5926210" | "5933098" | "5938706" | "5974158" | "5983161" | "5999116" | "6002427" | "6009356" | "6067571" | "6069655" | "6078850" | "6084510" | "6092008" | "6100964" | "6133941" | "6154658" | "6157317" | "6181373" | "6195609" | "6226031" | "6233428" | "6246320" | "6259475" | "6275231" | "6278965" | "6282488" | "6292098" | "6356625" | "6385772" | "6424370" | "6462697" | "6476858" | "6504479" | "6522532" | "6525761"	US-PGPUB; USPAT; USOCR	OR	OFF	2012/11/21 08:39

		"6549130" | "6556241" | "6570610" | "6591068" | "6608649" | "6628835" | "6646676" | "6662649" | "6675386" | "6698021" | "6720990" | "7065140").PN. OR ("7113971").PN.				
L22	3	L17 and (((transmitS4 or send$3) same (video$1 or frame$1) same select$2 same (user$1 or recipient$1)) same (identify$3 or identifi$6))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 08:40
L23	11	L5 and (((transmit$4 or send$3)same (video$1 or frame$1) same (user$1 or recipient$1) same profile$1) same (identify$3 or identifi$6 or verify$3 or verifi$6) same (authenticat$3 or secure$5 or access$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/11/21 08:41
L24	5	("5839076" | "6618593" | "7280822" | "7529537" | "8014763").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/11/21 08:41

11/21/2012 8:42:24 AM
C:\Users\malam\Documents\EAST\Workspaces\12695373.wsp

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12695373	FOX, RODNEY W.
	Examiner	**Art Unit**
	MIRZA ALAM	2689

ORIGINAL		INTERNATIONAL CLASSIFICATION															
CLASS	SUBCLASS	CLAIMED										NON-CLAIMED					
340	540	G	0	8	B	21 / 00 (2006.01.01)											
CROSS REFERENCE(S)		G	0	8	B	17 / 10 (2006.01.01)											
		G	0	8	B	1 / 00 (2006.01.01)											
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)	G	0	8	B	13 / 00 (2006.01.01)											
340	628	G	0	8	B	1 / 08 (2006.01.01)											
340	531	G	0	5	B	23 / 02 (2006.01.01)											
340	541	G	0	6	K	9 / 00 (2006.01.01)											
340	539.18	G	0	6	K	9 / 00 (2006.01.01)											
340	3.1	H	0	4	W	24 / 00 (2009.01.01)											
382	100																
382	103																
455	456.1																

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

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	13	17												
2	2	14	18												
3	3	15	19												
-	4	16	20												
-	5														
-	6														
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8	12														
9	13														
10	14														
11	15														
12	16														

/M.A./ Examiner.Art Unit 2689	11/20/2012	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	16	
/JENNIFER MEHMOOD/ Supervisory Patent Examiner.Art Unit 2689	12/03/2012	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

PATENT APPLICATION

CERTIFICATE OF ELECTRONIC TRANSMISSION
37 C.F.R. § 1.8
I hereby certify that this correspondence is being electronically filed with the United States Patent and Trademark Office via EFS-Web on the date as indicated below:

September 25, 2012
Date

Electronic Signature: /Svitlana Anderson/
Svitlana Anderson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Rodney W. Fox	:	Examiner: Mirza F. Alam
Serial No. 12/695,373	:	Group Art Unit: 2612
Filed: January 28, 2010	:	
For: PREMISES MONITORING SYSTEM	:	

AMENDMENT

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

Sir:

In response to the Office Action dated May 18, 2012, please amend the above-identified application as follows:

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

Remarks begin on page 7 of this paper.

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method comprising:

receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems;

retrieving enhanced information based on the device identifier and/or the device condition;

determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition; and

dispatching the enhanced information to the one or more communication destinations using the one or more communication methods; and

wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises retrieving images based on the device identifier and/or the device condition, the images comprising all of the members selected from the group consisting of superimposed visual indicators, hierarchically organized graphical images, and vector-based graphical images.

2. (Original) The method of Claim 1, wherein the receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems comprises:

receiving one or more signals containing a device identifier for a smoke detector, a pull station, a security detector, a carbon monoxide detector, and/or a check-in monitor from one or more remote alarm monitoring systems.

3. (Original) The method of Claim 1, wherein the receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems comprises:

receiving one or more signals containing a device condition of normal, fault, and/or supervisory from one or more remote alarm monitoring systems.

4-7. (Canceled)

8. (Original) The method of Claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more sounds based on the device identifier and/or the device condition.

9. (Original) The method of Claim 8, wherein the retrieving enhanced information including one or more sounds based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more sounds organized on one or more graphical images based on the device identifier and/or the device condition.

10. (Original) The method of Claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more communication links based on the device identifier and/or the device condition.

11. (Original) The method of Claim 10, wherein the retrieving enhanced information including one or more communication links based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more communication links organized on one or more graphical images based on the device identifier and/or the device condition.

12. (Original) The method of Claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including written information based on the device identifier and/or the device condition.

13. (Original) The method of Claim 12, wherein the retrieving enhanced information including written information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including date/time information, account information, premises information, device information, condition information, support information, contact information, linked information, and/or instructional information based on the device identifier and/or the device condition.

14. (Original) The method of Claim 12, wherein the retrieving enhanced information including written information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including written information organized on one or more graphical images based on the device identifier and/or the device condition.

15. (Original) The method of Claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition comprises.

determining one or more communication methods of email, text message, instant message, website link, phone, and/or mail based on the device identifier and/or the device condition.

16. (Original) The method of Claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition comprises:

determining one or more device communication destinations of a personal computer, a phone, a mobile device, a display, and/or a custom device based on the device identifier and/or the device condition.

17. (Original) The method of Claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition comprises:

determining one or more entity communication destinations of an authority, a first responder, a service company, an owner, a manager, a staff, an occupant, a supplier, a customer, a neighbor, and/or a custom entity based on the device identifier and/or the device condition.

18. (Original) The method of Claim 1, wherein the dispatching the enhanced information to the one or more communication destinations using the one or more communication methods comprises:

dispatching the enhanced information automatically without requiring operator intervention to the one or more communication destinations using the one or more communication methods.

19. (Original) The method of Claim 1, further comprising:

receiving enhanced information, one or more communication methods, and/or one or more communication destinations via a user interface that is remotely accessible.

20. (Original) The method of Claim 1, further comprising:

receiving one or more communication methods and/or one or more communication destinations from data of a personal device.

REMARKS

The Examiner's attention to the present application is noted with appreciation. Claim 1 has been amended to incorporate the subject matters of canceled claims 4-7.

The Examiner rejected claims 1-20 under 35 U.S.C. § 103(a) as being unpatentable over Petite in view of Jung and one of Au, Naidoo, and Gagvani. The rejections are traversed, particularly as to the claims as amended.

The present invention provides a unique manner in which to provide useful information in a compact format to, for example, first responder personnel. Such personnel will receive an email with attachment, for example, the attachment being, for example, a compact Adobe PDF file using vector-based imagery for compactness yet with ability to zoom and retain readability. Superimposed visual indicators are also provided, as well as hierarchically organized graphical images that can, for example, lead one from an iconic representation of a device to a graphical control panel of the device itself. This combination of features provides information both in the attachment itself and easy linkability to sources of other information, whether that "other information" is created by or available from the alarm system itself, or from sources completely unrelated and separate from the alarm system, such as a data store, all without the need for specialized software on the personnel's computer or mobile device.

Prior to the present invention, information made available by a reporting system was generated by the system itself. With the present invention, there are no limitations on the type and/or source of information made available to the responder. It can come from anywhere via an internet or networked connection or combination thereof. Further, the information is made available in a manner that allows the responder to "pull" or "retreive" the details to their viewing platform when they choose to do so. The present invention does not overload the responder, in a time of crisis, with information they cannot make

maximum use of, due to its manner of reporting and data governance. The responder may use the information on their terms, when it makes the most sense to do so.

The Federal Circuit has held that "determination of obviousness cannot be based on the hindsight combination of components selectively culled from the prior art to fit the parameters of the patented invention. There must be a teaching or suggestion within the prior art, or within the general knowledge of a person of ordinary skill in the field of the invention, to look to particular sources of information, to select particular elements, and to combine them in the way they were combined by the inventor", *ATD Corp. v. Lydall, Inc.*, 159 F.3d 534, 546 (Fed. Cir. 1998). One cannot selectively cull the elements of the claims from the cited references to fit the parameters of the recited claims. "One cannot use hindsight reconstruction to pick and choose among isolated disclosures in the prior art to deprecate the claimed invention". *In re Fritch*, 972 F.2d 1260 (Fed. Cir. 1992). Further, "[a] retrospective view of inherency is not a substitute for some teaching or suggestion that supports the selection and use of the various elements in the particular claimed combination". *In re Newell*, 891 F.2d 899 (Fed. Cir. 1989). In the instant application, a person skilled in the art at the time of the invention would not combine the four cited references (Petite, Jung, Au, and Gagvani) and have a reasonable expectation of creating the invention as recited in Applicant's claims. One cannot use hindsight to pick and choose among the disclosures to reconstruct the recited claims.

Furthermore, there has been a long-felt need for the invention as claimed. Note in particular page 3 of the NIST report previously cited by Information Disclosure Statement, namely Walter W. Jones and Richard W. Bukowski, "Critical Information for First Responders, Whenever and Wherever It Is Needed", National Institute of Standards and Technology, International Interflam Conference, 9th Proceedings, Vol. 2, September 17-19, 2001, Gaithersburg, MD. Just after the events on 9/11/2001, the report noted that: "In order to enhance the safety and effectiveness of firefighting operations in buildings containing modern fire alarm systems, we need to improve the type of information that is made available

to the fire service, the means by which it is presented, and the channels through which it is distributed. More timely information on the state of the fire and the building environment will lead to better tactical decisions by the fire service." The present invention provides a current solution to that long-noted deficiency in current technologies.

Accordingly, the present invention as claimed is patentable over the art of record.

Being filed herewith is a Petition for Extension of Time to October 18, 2012, with the appropriate fee. Authorization is given to charge payment of any additional fees required, or credit any overpayment, to Deposit Acct. 13-4213.

An earnest attempt has been made to respond to each and every ground of rejection advanced by the Examiner. However, should the Examiner have any queries, suggestions or comments relating to a speedy disposition of the application, the Examiner is invited to call the undersigned.

Reconsideration and allowance are respectfully requested.

Respectfully submitted,

PEACOCK MYERS, P.C.

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Customer No. 005179

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Electronic Patent Application Fee Transmittal

Application Number:	12695373
Filing Date:	28-Jan-2010
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Filer:	Jeffrey Myers/Svitlana Anderson
Attorney Docket Number:	33340-1001

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
		Total in USD ($)		**280**

Electronic Acknowledgement Receipt

EFS ID:	13832877
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	5179
Filer:	Jeffrey Myers/Svitlana Anderson
Filer Authorized By:	Jeffrey Myers
Attorney Docket Number:	33340-1001
Receipt Date:	25-SEP-2012
Filing Date:	28-JAN-2010
Time Stamp:	15:37:38
Application Type:	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	2397
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Amendment/Req. Reconsideration-After Non-Final Reject	12695373_AMD.pdf	1029910 ba699000ae9e97c5a05d60ae3903ed1f566d53b7	no	9
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30107 ffb9f79c74ef0520e3f29996bc958b463fb7cb6b	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1060017		

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.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/695,373	01/28/2010	Rodney W. Fox	33340-1001	7795

5179 7590 05/18/2012

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ALBUQUERQUE, NM 87102

EXAMINER	
ALAM, MIRZA F	
ART UNIT	**PAPER NUMBER**
2612	

MAIL DATE	DELIVERY MODE
05/18/2012	PAPER

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.

Office Action Summary	Application No.	Applicant(s)	
	12/695,373	FOX, RODNEY W.	
	Examiner	Art Unit	
	MIRZA ALAM	2612	

-- 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 *28 January 2010*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ 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.

4)☐ 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

5)☒ Claim(s) *1-20* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-20* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ 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).

12)☐ 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

13)☐ 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 *01/28/11, 11/14/10 and 09/27/11*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 01/28/11, 11/14/10 and 09/27/11 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the Examiner.

Claim Rejections - 35 USC § 103

2. 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 negatived by the manner in which the invention was made.

3. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

4. **Claims 1-2, 10, 13 and 17-20** are rejected under **35 U.S.C. 103(a)** as being unpatentable over **Petite (US 2005/0190055 A1 (**hereinafter **Petite)** in view of **Jung (US 2008/0305806 A1) (hereinafter Jung).**

Regarding claim 1, Petite discloses a method

(**FIG. 2, distributed data monitoring/control system** (DDMCS) 200, WAN 215, a plurality of transceiver/repeaters 220, transceivers 225, sensors 230, transmitters 235, and at least one local gateway 240 ("as remote alarm monitoring systems")) comprising:

receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems

(**paragraph** 0006, the present invention is directed towards a smoke detector system for monitoring the presence of ***smoke conditions*** and communicating the smoke condition to a remote central location,

paragraph 0011, the communication device preferably has a **unique address** to distinguish it from other communication devices, The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the unique address of the communication device, a ***command indicator*** comprising a command code,

paragraph 0045, FIG. 3, The communication device 300 comprises a transmitter controller 305, a data controller 310, a data interface 315, a ***transmitter identifier (ID)*** 320, and a sensor 325, The transmitter ID 320 can be a ***unique identifier of the communication device 300***,

paragraph 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,

paragraph 0047, Additional information about the related system may also be provided within the lookup table, with ***particular functional codes associated with a corresponding condition or parameter***, such as but not limited to, an appliance operating cycle, a power on/off status, a temperature, a position, and/or any other information);

retrieving enhanced information based on the device identifier and/or the device condition

> (**paragraph** 0070, The local gateway 1300 may be configured such that the memory 1310 includes a ***look-up table 1330*** that may assist in ***identifying the various remote and intermediate RF communication devices*** used in generating and transmitting the received data transmission, the memory 1310 may be configured with ***program code configured to identify*** a remote RF transceiver 1305 or identify an intermediate RF transceiver 1305. Function codes, RF transmitter and/or RF transceiver ID may all be stored with associated information within the look-up tables 1310,
>
> **paragraph** 0071, Another look-up table 1330 may be used to associate function codes with the interpretation thereof. For example, a unique code may be associated by a look-up table 1330 to identify functions such as test, temperature, smoke alarm active or security system breach);

Reference teaches smoke detectors have a unique identifier and can wirelessly transmit an alarm signal to the monitoring station and also include a receiver address, a sender address comprising the unique identifier of the smoke detector, Each transmitter unit in a DCCMS (as in FIG. 2) configured with a unique identification code (e.g., a transmitter identification number), that uniquely identifies the RF transmitter to other devices and thus communication destinations based on the device identifier as claimed.

Petite specifically fails to disclose determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition; and dispatching the enhanced information to the one or more communication destinations using the one or more communication methods.

In analogous art, Jung discloses determining one or more communication methods and/or communication destinations based on the

identifier and/or the device condition; and dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

(**Abstract,** One aspect relates to associating an at least one identifiable person and/or **identifiable communication device** with an at least one context at least partially by specifying an at least one context designated destination that designates the at least one identifiable person and/or **identifiable communication device** based at least partially on the at least one context,

paragraph 0017, ***context designated*** destination communication system 100 may thereby be configured as communication mechanisms or systems, such as computers, electronic-based devices, hardware-based devices, firmware-based devices, software-based devices, or **other devices or combinations** thereof such as may at least partially utilize hardware, software, and/or firmware, or combination thereof can be configured to attempt to establish a communication. Such attempts to establish a communication can therefore be based, at least in part, on a ***context of the person and/or the at least one context of the device*** as at least partially determined based on the context designated destination,

paragraph 0036, Certain embodiments of the context used during communicating or attempting to communicate with the at least one interfacing person and/or interfacing communication device 110 can be operationally associated with, but may not include, at least one context identifier 102. Certain embodiments of the **context identifier 102** can be used by certain embodiments of the at least one interfacing person and/or interfacing communication device 110 to attempt to communicate with, or attempt to communicate with, at least one identifiable person and/or **identifiable communication device 108** (or other of the interfacing person and/or interfacing communication device 110) based at least partially on the at least one particular context. Certain embodiments of the context identifier 102 can be used during an attempt to establish and/or maintain a communication between the at least one identifiable person and/or **identifiable communication device 108** and/or another interfacing person and/or interfacing communication device 110,

paragraph 0016, configured such that a number of persons and/or devices can attempt to communicate with each other based at least partially on at least one context. Certain embodiments of the context **designated destination communication** system 100 can operate such as by designating the context based at least partially on a designated destination, etc. of a particular or suitable person and/or a particular device).

Reference teaches context designated destination communication system configured as communication mechanisms or systems, such as computers, electronic-based devices, hardware-based devices, firmware-based devices, software-based devices, or other devices or combinations which determine communication destinations based on the device condition as claimed.

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite** with **Jung** to use different communication method based on the device identifier to send alarm notification signal for better flexibility and authenticated use with the premises monitoring system.

The motivation would have been to use different communication method to send alarm notification signal for better flexibility and authenticated use with the premises monitoring system.

Regarding claim 2, Petite discloses the method of claim 1, wherein the receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems comprises:

receiving one or more signals containing a device identifier for a smoke detector, a pull station, a security detector, a carbon monoxide detector, and/or a check-in monitor from one or more remote alarm monitoring systems

(**paragraph** 0004, FIG. 1 sets forth a traditional monitoring system 100. An example of this kind of system would be a traditional ***home security system***, Each monitoring device 105 such as a ***smoke detector, motion detector, or glass breakage*** detector hardwired to the central monitoring station 115,

paragraph 0045, FIG. 3, The communication device 300 comprises a transmitter controller 305, a data controller 310, a data interface 315, a ***transmitter identifier (ID)*** 320, and a sensor 325, The transmitter ID 320 can be a ***unique identifier of the communication device 300***,

paragraph 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,

paragraph 0047, Additional information about the related system may also be provided within the lookup table, with ***particular functional codes associated with a corresponding condition or parameter***, such as but not limited to, an appliance operating cycle, a power on/off status, a temperature, a position, and/or any other information,

paragraph 0071, a ***unique code*** may be associated by a look-up table 1330 to ***identify functions*** such as ***test, temperature, smoke alarm active*** or security system breach. For example, ***a first data packet*** segment may be provided to access a first lookup table to ***determine the identity of an RF transceiver***, which transmitted the received message. A ***second code segment*** may be provided to access a second lookup table to ***determine the proximate location*** of the message generating RF transceiver, by identifying the RF transceiver that relayed the message. ***A third code*** segment may be provided to identify the content of the message transmitted. Namely, is it a **fire alarm, a security alarm, an emergency request** by a person or a temperature control setting. ***Additional, fewer, or different code segments may be provided to perform different functional operations*** and data signal transfers throughout the DCCMS 200).

Reference teaches different device identifier for different devices for monitoring system so as to receiving signals for different devices as claimed.

Regarding claim 10, Petite discloses the method of claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises: retrieving enhanced information including one or more communication links based on the device identifier and/or the device condition

> (**paragraph** 0005, Residential monitoring systems has multiplied as individuals seek protection and safety in their residences. It has been proven that monitoring for the presence of heat or smoke indicative of fire, and ***sounding an audible alarm*** when detecting fire saves lives,
>
> **paragraph** 0045, FIG. 3, The communication device 300 comprises a transmitter controller 305, a data controller 310, a data interface 315, a transmitter identifier (ID) 320, and a sensor 325. While the communication device 300 is shown as an RF transmitter, it could also be an ***infrared, ultrasound, or other transmitter***,
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> **paragraph** 0011, the communication device preferably has a **unique address** to ***distinguish it from other communication devices***, The smoke detector can also comprise an alarm to emit an audible alarm or a visual alarm in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the **unique address of the communication device**, a ***command indicator*** comprising a command code,
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> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200).

Regarding claim 13, Petite discloses the method of claim 12, wherein the retrieving enhanced information including written information based on the device

identifier and/or the device condition comprises: retrieving enhanced information including date/time information, account information, premises information, device information, condition information, support information, contact information, linked information, and/or instructional information based on the device identifier and/or the device condition

(**paragraph** 0011, the communication device preferably has a **unique address** to ***distinguish it from other communication devices***, The smoke detector can also comprise an alarm to emit an audible alarm or a visual alarm in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the **unique address of the communication device**, a ***command indicator*** comprising a command code,

paragraph 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,

paragraph 0073, **FIG. 14**, which describes a data structure of messages that may be sent and received via the DCCMS 200. A ***standard message may comprise a "to" address; a "from" address; a packet number; a maximum packet number; a packet length; a command portion;*** a data portion; a packet check sum (high byte); and a packet check sum (low byte). As illustrated in the message structure table of FIG. 14, the "to" address, or message destination, may comprise from 1 to 6 bytes. ***The "from" address, or message source device,*** may be coded in a full 6 byte designator. Bytes 11 through 13 may be used by the system to concatenate messages of packet lengths greater than 256 bytes. The order of appearance of specific information within the message protocol of FIG. 14 generally remains fixed although the byte position number in individual message transmissions may vary due to scalability of the ***"to" address, the command byte, and the data portion of the message***,

paragraph 0074, Having described the general message structure of a message that may be sent via the DCCMS 200 of the present invention, reference is directed to FIG. 15, which illustrates ***three sample messages.*** The first message 1500 illustrates the broadcast of an ***emergency message "FF"*** from a central server with an address "0012345678" to a personal transceiver with an address of "FF",

> ***paragraph 0075,*** The ***second message 1510*** illustrates how the ***first message*** might be sent to an RF transceiver that functions as a repeater. Emergency message "FF" from a central server with ***address "0012345678"*** is first sent to transceiver "FO". The **second message**, further contains ***additional command data "A000123456"*** that may be used by the system to identify further transceivers to send the signal through on the way to a destination device,
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> ***paragraph 0076,*** The ***third message 1515*** illustrated in FIG. 15 reveals how the message protocol of the various embodiments of the present invention may be used to "ping" a remote RF transceiver 220 (FIG. 2) to determine a transceiver's health or status).

Reference teaches message structure with different types of information in message structure so as to easily incorporate all the claimed limitation as claimed.

Regarding claim 17, Petite discloses the method of claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition comprises: determining one or more entity communication destinations of an authority, a first responder, a service company, an owner, a manager, a staff, an occupant, a supplier, a customer, a neighbor, and/or a custom entity based on the device identifier and/or the device condition

> (**paragraph** 0011, the communication device preferably has a **unique address** to ***distinguish it from other communication devices***, The smoke

detector can also comprise an alarm to emit an audible alarm or a visual alarm in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the **unique address of the communication device**, a ***command indicator*** comprising a command code,

paragraph 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,

paragraph 0073, **FIG. 14**, which describes a data structure of messages that may be sent and received via the DCCMS 200. A ***standard message may comprise a "to" address; a "from" address; a packet number; a maximum packet number; a packet length; a command portion;*** a data portion; a packet check sum (high byte); and a packet check sum (low byte). As illustrated in the message structure table of FIG. 14, the "to" address, or message destination, may comprise from 1 to 6 bytes. ***The "from" address, or message source device,*** may be coded in a full 6 byte designator. Bytes 11 through 13 may be used by the system to concatenate messages of packet lengths greater than 256 bytes. The order of appearance of specific information within the message protocol of FIG. 14 generally remains fixed although the byte position number in individual message transmissions may vary due to scalability of the ***"to" address, the command byte, and the data portion of the message***,

paragraph 0074, Having described the ***general message structure of a message*** that may be sent via the DCCMS 200 of the present invention, reference is directed to FIG. 15, which illustrates ***three sample messages.*** The first message 1500 illustrates the broadcast of an ***emergency message "FF"*** from a central server with an address "0012345678" to a personal transceiver with an address of "FF",

paragraph 0075, The ***second message 1510*** illustrates how the ***first message*** might be sent to an RF transceiver that functions as a repeater. Emergency message "FF" from a central server with ***address "0012345678"*** is first sent to transceiver "FO". The **second message**, further contains ***additional command data "A000123456"*** that may be used by the system to identify further transceivers to send the signal through on the way to a destination device,

paragraph 0076, The ***third message 1515*** illustrated in FIG. 15 reveals how the message protocol of the various embodiments of the present invention may be used to "ping" a remote RF transceiver 220 (FIG. 2) to determine a transceiver's health or status).

Reference teaches message structure with different types of information in message structure so as to easily incorporate all the claimed limitation as claimed.

Regarding claim 18, Petite fails to disclose the method of claim 1, wherein the dispatching the enhanced information to the one or more communication destinations using the one or more communication methods comprises: dispatching the enhanced information automatically without requiring operator intervention to the one or more communication destinations using the one or more communication methods.

In analogous art, Jung discloses the method of claim 1, wherein the dispatching the enhanced information to the one or more communication destinations using the one or more communication methods comprises: dispatching the enhanced information automatically without requiring operator intervention to the one or more communication destinations using the one or more communication methods

> (**Abstract,** One aspect relates to associating an at least one identifiable person and/or **identifiable communication device** with an at least one context at least partially by specifying an at least one context designated destination that designates the at least one identifiable person and/or **identifiable communication device** based at least partially on the at least one context,
>
> **paragraph** 0017, context designated destination communication system 100 may thereby be configured as communication mechanisms or systems, such as computers, electronic-based devices, hardware-based devices, firmware-based devices, software-based devices, or other devices or combinations thereof

such as may at least partially utilize hardware, software, and/or firmware, or combination thereof can be configured to attempt to establish a communication. Such attempts to establish a communication can therefore be based, at least in part, on a context of the person and/or the at least one context of the device as at least partially determined based on the context designated destination,

paragraph 0036, Certain embodiments of the context used during communicating or attempting to communicate with the at least one interfacing person and/or interfacing communication device 110 can be operationally associated with, but may not include, at least one context identifier 102. Certain embodiments of the **context identifier 102** can be used by certain embodiments of the at least one interfacing person and/or interfacing communication device 110 to attempt to communicate with, or attempt to communicate with, at least one identifiable person and/or **identifiable communication device 108** (or other of the interfacing person and/or interfacing communication device 110) based at least partially on the at least one particular context. Certain embodiments of the context identifier 102 can be used during an attempt to establish and/or maintain a communication between the at least one identifiable person and/or **identifiable communication device 108** and/or another interfacing person and/or interfacing communication device 110,

paragraph 0016, configured such that a number of persons and/or devices can attempt to communicate with each other based at least partially on at least one context. Certain embodiments of the context **designated destination communication** system 100 can operate such as by designating the context based at least partially on a designated destination, etc. of a particular or suitable person and/or a particular device).

Reference teaches context designated destination communication system configured as communication mechanisms or systems, such as computers, electronic-based devices, hardware-based devices, firmware-based devices, software-based devices, or other devices or combinations which determine communication destinations based on the device condition as claimed.

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite** with **Jung** to use different communication method

based on the device identifier to send alarm notification signal for better flexibility and authenticated use with the premises monitoring system.

The motivation would have been to use different communication method to send alarm notification signal for better flexibility and authenticated use with the premises monitoring system.

Regarding claim 19, Petite discloses the method of claim 1, further comprising: receiving enhanced information, one or more communication methods, and/or one or more communication destinations via a user interface that is remotely accessible

> (**paragraph** 0008, a smoke detection system is configured to monitor and ***report system parameters***. The system is implemented by using a plurality of wireless transceivers. At least one wireless ***transceiver is interfaced*** with at least one of a sensor, transducer, actuator or some other device associated with an ***application parameter of interest***,
>
> **paragraph** 0035, application of the various devices deployed in a wireless ***network interface*** between a plurality of residential system sensors 230 and various computing devices ***in communication with a WAN 215*** in a distributed home monitoring system,
>
> **paragraph** 0036, the RF communication devices may be configured with ***user selectable pushbuttons, switches, or an alphanumeric keypad*** suitably configured with software and or firmware to ***accept operator input***. Often, the RF communication devices will be ***electrically interfaced*** with a sensor 230, such as with a smoke detector,
>
> **paragraph** 0045, The communication device 300 comprises a transmitter controller 305, a data controller 310, a **data interface 315**, a transmitter identifier (ID) 320, and a sensor 325, the ***data interface 315 receives one or more signals ("data") from the sensor 325, and processes the data accordingly***. This processing can include signal conditioning, analog-to-digital conversion, or

other processing depending upon individual design constraints. The data interface 315 outputs the conditioned data to the data controller 310).

Regarding claim 20, Petite discloses the method of claim 1, further comprising: receiving one or more communication methods and/or one or more communication destination from data of a personal device

(**paragraph** 0036, the RF communication devices may be configured with ***user selectable pushbuttons, switches, or an alphanumeric keypad*** suitably configured with software and or firmware to ***accept operator input***. Often, the RF communication devices will be ***electrically interfaced*** with a sensor 230, such as with a smoke detector,

paragraph 0045, The communication device 300 comprises a transmitter controller 305, a data controller 310, a **data interface 315**, a transmitter identifier (ID) 320, and a sensor 325, the ***data interface 315 receives one or more signals ("data") from the sensor 325, and processes the data accordingly***,

paragraph 0073, FIG. 14, which describes a data structure of messages that may be sent and received via the DCCMS 200**paragraph** 0072, The local gateway 1300 may also include one or more mechanisms to facilitate network-based communication with remote computing devices. For example, the gateway 1300 may include a ***network card 1345***, which may allow the gateway 1300 to communicate across a **local area network ("LAN")** to a network server, which in turn may contain a backup gateway to the WAN 215 (FIG. 2). Alternatively, the local gateway 1300 may contain ***a modem 1350***, which may be configured to provide a link to a remote computing system, by way of ***the PSTN 125*** (FIG. 1). In yet another alternative, the local gateway 1300 may include ***an ISDN card 1355*** configured to communicate via an ISDN connection with a remote system. ***Other communication interfaces may be provided to serve as primary and or backup links to the WAN 215 (FIG. 2),*** or to local area networks,

paragraph 0075, The second message, further contains additional command data "A000123456" that may be used by the system to identify further transceivers to send the signal through on the way to a ***destination device***).

5. **Claim 5** is rejected under **35 U.S.C. 103(a)** as being unpatentable over **Petite (US 2005/0190055 A1 (**hereinafter **Petite)** in view of **Jung (US 2008/0305806 A1) (hereinafter Jung)** and further in view of **Au (US 2006/0227997 A1) (**hereinafter **Au)**

Regarding claim 5, Petite discloses the method of claim 4, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises: retrieving enhanced information meaningful audio and/or visual indicators based on the device identifier and/or the device condition

> (**paragraph** 0011, the communication device preferably has a **unique address** to distinguish it from other communication devices, The smoke detector can also comprise an ***alarm to emit an audible alarm or a visual alarm*** in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the unique address of the communication device, a ***command indicator*** comprising a command code,
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> **paragraph** 0056, The alarm can be an audible alarm or visual alarm based upon individual needs,
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> **paragraph** 0070, The local gateway 1300 may be configured such that the memory 1310 includes a ***look-up table 1330*** that may assist in ***identifying the various remote and intermediate RF communication devices*** used in generating and transmitting the received data transmission, the memory 1310 may be configured with ***program code configured to identify*** a remote RF transceiver 1305 or identify an intermediate RF transceiver 1305,
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> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,
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> **paragraph** 0047, Additional information about the related system may also be provided within the lookup table, with ***particular functional codes associated with a corresponding condition or parameter***)

Petite and Jung fails to disclose retrieving information including one or more graphical images and graphical images having one or more superimposed indicator.

In analogous art, Au discloses retrieving information including one or more graphical images and graphical images having one or more superimposed indicator.

> (**paragraph** 0006, method of detecting and analyzing events occurring within a region of interest of a ***monitoring system*** may include the steps of extracting information regarding one or more objects located within a region of interest, analyzing the extracted information to detect the occurrence of one or more events within the region of interest, matching at least one of the detected events with a corresponding user-specified event, and performing an ***action response upon the detection of an event***,
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> **paragraph** 0017, If an **event is triggered**, the appliance manager 28 can be configured to output a response (e.g. via the user interface 20) ***indicating that an event*** has occurred within a region of interest,
>
> **paragraph** 0043, A VIDEO MONITOR section 136 of the graphical user interface 122 can be configured to display video images and/or still images acquired by one or more of the DVSS's within the monitoring system. In some embodiments, the **DVS ID**, which captures the **video image**, may also be ***superimposed on the VIDEO MONITOR*** section 136. Each region of interest 136,138 can be demarcated on the display screen 124 using a dashed boundary box 142,144 or other ***suitable visual indicator***. In some embodiments, the corresponding region name (e.g. "Carpark A", "Security Zone 1", etc.) 146,148 may also be ***superimposed on each region*** of interest 138,140 displayed on the display screen 124, if desired).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Au** to alert priorities by using graphical images with superimposed indicator and to dispatch the information to

the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to alert priorities by using graphical images with superimposed indicator and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

8. **Claims 8 and 9 are** rejected under **35 U.S.C. 103(a)** as being unpatentable over **Petite (US 2005/0190055 A1 (**hereinafter **Petite)** in view of **Jung (US 2008/0305806 A1) (hereinafter Jung)** and further in view of **Naidoo (US 2003/0062997 A1) (**hereinafter **Naidoo).**

Regarding claim 8, Petite discloses the method of claim 1, wherein the retrieving enhanced information based on the device identifier.

> (**paragraph** 0005, Residential monitoring systems has multiplied as individuals seek protection and safety in their residences. It has been proven that monitoring for the presence of heat or smoke indicative of fire, and ***sounding an audible alarm*** when detecting fire saves lives,
>
> **paragraph** 0045, FIG. 3, The communication device 300 comprises a transmitter controller 305, a data controller 310, a data interface 315, a transmitter identifier (ID) 320, and a sensor 325. While the communication device 300 is shown as an RF transmitter, it could also be an ***infrared, ultrasound, or other transmitter***,
>
> **paragraph** 0011, the communication device preferably has a **unique address** to distinguish it from other communication devices, The smoke detector can also comprise an ***alarm to emit an audible alarm or a visual alarm*** in

response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the unique address of the communication device, a ***command indicator*** comprising a command code,

paragraph 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200).

Petite and Jung fails to disclose retrieving enhanced information including one or more sounds based on the the device condition.

In analogous art, Naidoo discloses retrieving enhanced information including one or more sounds based on the device condition

(**paragraph** 0034, security gateway 115 may be configured to create an association between one or more sensors and an associated video camera 112. Whether separate alarm sensors 105 are present or not, security gateway 115 may use video from video camera 112 to assist in the ***determination of whether an alarm condition*** exists and thereby whether to generate and send an alarm signal to the security system server 131. For example, in one embodiment, sensors 105 such as motion detectors, infra-red and audio sensors may be replaced by an intelligent alarm module that is able to detect motion or intrusion by analyzing the video image generated from camera 112. In another embodiment, security gateway 115 ***may analyze images from camera 112 and audio sound from an audio sensor 105 to detect an alarm condition***,

paragraph 0069, In step 510 security gateway 115 detects an alarm condition corresponding to a possible alarm event. This may result from a triggered sensor, ***analysis of recorded video,*** the pressing of a panic button, or any combination thereof. Optionally, upon **detection of an alarm condition**, security gateway 115 may ***activate 515 a siren, ring a bell, and/or otherwise sound an audio alarm*** on the premises,

paragraph 0100, automation system server 720 will, then, receive two notifications of every alarm condition. Automation system server 720 is capable of recognizing multiple notifications of the same alarm condition,).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Naidoo** to alert priorities by using audio sound after detection condition of the device and dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to alert priorities by using audio sound after detection condition of the device and dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

Regarding claim 9, Petite discloses the method of claim 8, retrieving enhanced information based on the device identifier.

> (**paragraph** 0011, The smoke detector can also comprise an ***alarm to emit an audible alarm or a visual alarm*** in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the unique address of the communication device, a ***command indicator*** comprising a command code,
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> **paragraph** 0070, The local gateway 1300 may be configured such that the memory 1310 includes a ***look-up table 1330*** that may assist in ***identifying the various remote and intermediate RF communication devices*** used in generating and transmitting the received data transmission,
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> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,
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> **paragraph** 0047, Additional information about the related system may also be provided within the lookup table, with ***particular functional codes associated with a corresponding condition or parameter***).

Petite and Jung fails to disclose retrieving enhanced information including one or more sounds based on the the device condition.

In analogous art, Naidoo discloses retrieving enhanced information including one or more sounds based on the device condition

> (**paragraph** 0034, security gateway 115 may be configured to create an association between one or more sensors and an associated video camera 112. Whether separate alarm sensors 105 are present or not, security gateway 115 may use video from video camera 112 to assist in the ***determination of whether an alarm condition*** exists and thereby whether to generate and send an alarm signal to the security system server 131. For example, in one embodiment, sensors 105 such as motion detectors, infra-red and audio sensors may be replaced by an intelligent alarm module that is able to detect motion or intrusion by analyzing the video image generated from camera 112. In another embodiment, security gateway 115 ***may analyze images from camera 112 and audio sound from an audio sensor 105 to detect an alarm condition***,
>
> **paragraph** 0069, In step 510 security gateway 115 detects an alarm condition corresponding to a possible alarm event. This may result from a triggered sensor, ***analysis of recorded video,*** the pressing of a panic button, or any combination thereof. Optionally, upon **detection of an alarm condition**, security gateway 115 may ***activate 515 a siren, ring a bell, and/or otherwise sound an audio alarm*** on the premises,
>
> **paragraph** 0100, automation system server 720 will, then, receive two notifications of every alarm condition. Automation system server 720 is capable of recognizing multiple notifications of the same alarm condition,).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Naidoo** to alert priorities by using audio sound after detection condition of the device and dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to alert priorities by using audio sound after detection condition of the device and dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

9. **Claims 3, 4, 6, 7, 11, 12, 14, 15 and 16** are rejected under **35 U.S.C. 103(a)** as being unpatentable over **Petite (US 2005/0190055 A1 (**hereinafter **Petite)** in view of **Jung (US 2008/0305806 A1) (hereinafter Jung)** and further in view of **Gagvani (US 2009/0022362 A1) (**hereinafter **Gagvani).**

Regarding claim 3, Petite discloses the method of claim 1, wherein the receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems

> (**paragraph** 0045, FIG. 3, The communication device 300 comprises a transmitter controller 305, a data controller 310, a data interface 315, a ***transmitter identifier (ID)*** 320, and a sensor 325, The transmitter ID 320 can be a ***unique identifier of the communication device 300***,
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> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,
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> **paragraph** 0047, Additional information about the related system may also be provided within the lookup table, with ***particular functional codes associated with a corresponding condition or parameter***, such as but not limited to, an appliance operating cycle, a power on/off status, a temperature, a position, and/or any other information).

Petite and Jung fails to disclose receiving one or more signals containing a device condition of normal, fault, and/or supervisory from one or more remote alarm monitoring systems.

In analogous art, Gagvani discloses receiving one or more signals containing a device condition of normal, fault, and/or supervisory from one or more remote alarm monitoring systems

> **(paragraph** 0017, Cameras C and alarm sensors S may be coupled to processor P by any suitable ***communications link*** capable of carrying video data VD and/or alarm signals AS, including ***wired or wireless (including RF, IR, laser, Bluetooth, WiFi, etc.)***, and/or via a packet-switched network,
>
> **paragraph** 0042, the user-defined profile can specify various ***alert priorities***, for example, based upon ***different alert conditions***. The **alert priorities** can have **different associated levels and modes of alert *(as condition of normal, fault, and/or supervisory"*** . For example, for a ***critical alert*** a user can specify that the user would like to be notified by a voice call to his or her cell phone. The call can contain a recorded message alerting the user of the associated alert condition. **Another level of alert priority can** be associated with a ***different level of notification***, for example, an email or a text message. Additionally, the user profile can specify that a selected segment of video associated with the ***alert condition*** be ***downloaded automatically*** to the user's mobile device,
>
> **paragraph 0043,** a user can specify that in the case of an unexpected vehicle parking in the driveway, the selected segment will be sent from the analytics processor to a central server. The central server can then, according to the user defined profile, send an instruction to the user's mobile device, for example, a ***cell phone, personal digital assistant, smart phone*** or a laptop computer, to download the selected segment and simultaneously notify the user).

Reference teaches different alert conditions and different associated levels and modes of alert and critical alert so as to condition of normal, fault, and/or supervisory as claimed.

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to transmit alert signals

according to alert priorities in different condition for better notification for the premises monitoring system.

The motivation would have been to transmit alert signals according to alert priorities in different condition for better notification for the premises monitoring system.

Regarding claim 4, Petite discloses the method of claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

retrieving enhanced information based on the device identifier and/or the device condition

> (**paragraph** 0070, The local gateway 1300 may be configured such that the memory 1310 includes a ***look-up table 1330*** that may assist in ***identifying the various remote and intermediate RF communication devices*** used in generating and transmitting the received data transmission, the memory 1310 may be configured with ***program code configured to identify*** a remote RF transceiver 1305 or identify an intermediate RF transceiver 1305. Function codes, RF transmitter and/or RF transceiver ID may all be stored with associated information within the look-up tables 1310,
>
> **paragraph** 0071, Another look-up table 1330 may be used to associate function codes with the interpretation thereof. For example, a unique code may be associated by a look-up table 1330 to identify functions such as test, temperature, smoke alarm active or security system breach);

Petite and Jung fails to disclose retrieving information including one or more graphical images

In analogous art, Gagvani discloses retrieving information including one or more graphical images

(**paragraph** 0025, Each camera C can include integrated video analytics capability. Each camera C can analyze its own video data VD and determine that an **alarm condition exists**, and thus **generate an alarm signal** AS as well as video data VD. Thus, a camera C disposed to view a window at the monitored premise MP,

paragraph 0026, Camera C may be activated by an alarm signal AS received from alarm sensor S, to begin analysis of its own video data, and/or to begin transmitting video data VD to other devices,

paragraph 0038, FIG. 9, profiles can further defines device properties to control devices that are used for recording, staging and viewing video and alerts. The profile ties the user, device, analytics and recording properties,

paragraph 0043, based on video analytics, specific parts of the image that correspond to the verified alarm condition may be encoded at a higher bit rate and/or quality of encoding).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to retrieve information according to alert priorities and different condition and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

Regarding claim 6, Petite discloses the method of claim 4, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

retrieving enhanced information on the device identifier and/or the device condition

> (**paragraph** 0011, the communication device preferably has a **unique address** to distinguish it from other communication devices, The smoke detector can also comprise an ***alarm to emit an audible alarm or a visual alarm*** in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the unique address of the communication device, a ***command indicator*** comprising a command code,
>
> **paragraph** 0056, The alarm can be an audible alarm or visual alarm based upon individual needs,
>
> **paragraph** 0070, The local gateway 1300 may be configured such that the memory 1310 includes a ***look-up table 1330*** that may assist in ***identifying the various remote and intermediate RF communication devices*** used in generating and transmitting the received data transmission, the memory 1310 may be configured with ***program code configured to identify*** a remote RF transceiver 1305 or identify an intermediate RF transceiver 1305,
>
> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,
>
> **paragraph** 0047, Additional information about the related system may also be provided within the lookup table, with ***particular functional codes associated with a corresponding condition or parameter***)

Petite and Jung fails to disclose retrieving information including one or more graphical images and hierarchically organized graphical images based.

In analogous art, Gagvani discloses retrieving information including one or more graphical images and hierarchically organized graphical images based

(**paragraph** 0025, Each camera C can include integrated video analytics capability. Each camera C can analyze its own video data VD and determine that an **alarm condition exists**, and thus **generate an alarm signal** AS as well as video data VD. Thus, a camera C disposed to view a window at the monitored premise MP,

paragraph 0026, Camera C may be activated by an alarm signal AS received from alarm sensor S, to begin analysis of its **own video data**, and/or to begin transmitting video data VD to other devices,

paragraph 0031, Analysis of video data VD can be conducted ***sequentially or hierarchically*** to verify and classify an alarm event and to determine the appropriate action to take in response. Analysis can be conducted according to a process flow based on a user defined profile, If the analysis determines that the movement was a person, an alert, with or without a relevant video clip, can be transmitted to a defined recipient or recipients (250), while further, even ***higher hierarchical*** analysis simultaneously proceeds. The clip can be compressed according to the specifications of the user defined profile,

paragraph 0033, the process flow that defines ***hierarchical video analysis*** can be made to depend upon the nature of a trigger event, the time at which it is received, the frequency and/or distribution of trigger events during a particular time window, the zone in which the trigger event occurs, or other environmental, temporal, or situational factors).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to retrieve information for graphical images according to alert priorities and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to retrieve information for graphical images according to alert priorities and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system

Regarding claim 7, Petite discloses the method of claim 4, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises: retrieving enhanced information based on the device identifier and/or the device condition.

> (**paragraph** 0011, the communication device preferably has a **unique address** to distinguish it from other communication devices, The smoke detector can also comprise an ***alarm to emit an audible alarm or a visual alarm*** in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the unique address of the communication device, a ***command indicator*** comprising a command code,
>
> **paragraph** 0070, The local gateway 1300 may be configured such that the memory 1310 includes a ***look-up table 1330*** that may assist in ***identifying the various remote and intermediate RF communication devices*** used in generating and transmitting the received data transmission, the memory 1310 may be configured with ***program code configured to identify*** a remote RF transceiver 1305 or identify an intermediate RF transceiver 1305,
>
> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200,
>
> **paragraph** 0047, Additional information about the related system may also be provided within the lookup table, with ***particular functional codes associated with a corresponding condition or parameter***)

Petite and Jung fails to disclose retrieving information including one or more graphical images and graphical images.

In analogous art, Gagvani discloses retrieving information including one or more graphical images and graphical images.

> (**paragraph** 0025, Each camera C can include integrated video analytics capability. Each camera C can analyze its own video data VD and determine that

> an **alarm condition exists**, and thus **generate an alarm signal** AS as well as video data VD. Thus, a camera C disposed to view a window at the monitored premise MP,
>
> **paragraph** 0026, Camera C may be activated by an alarm signal AS received from alarm sensor S, to begin analysis of its **own video data**, and/or to begin transmitting video data VD to other devices,
>
> **paragraph 0044,** a camera group may include all cameras that are from a single manufacturer and are set up for video at CIF resolution at ***15 frames per second,*** using **MPEG-4** Simple Profile compression over the RTP protocol,
>
> **paragraph** 0043, based on video analytics, specific parts of the image that correspond to the verified alarm condition may be encoded at a higher bit rate and/or quality of encoding).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to retrieve information for graphical images according to alert priorities and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to retrieve information for graphical images according to alert priorities and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

Regarding claim 11, Petite discloses the method of claim 10, wherein the retrieving enhanced information including one or more communication links

based on the device identifier and/or the device condition comprises: retrieving enhanced information based on the device identifier and/or the device condition.

> (**paragraph** 0005, Residential monitoring systems has multiplied as individuals seek protection and safety in their residences. Monitoring for the presence of heat or smoke indicative of fire, and ***sounding an audible alarm*** when detecting fire saves lives,
>
> **paragraph** 0011, the communication device preferably has a **unique address** to ***distinguish it from other communication devices***, The smoke detector can also comprise an alarm to emit an audible alarm or a visual alarm in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the **unique address of the communication device**, a ***command indicator*** comprising a command code,
>
> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200).

Petite and Jung fails to disclose retrieving information including one or more graphical images.

In analogous art, Gagvani discloses retrieving information including one or more graphical images

> (**paragraph** 0017, Cameras C and alarm sensors S may be coupled to processor P by any suitable ***communications link*** capable of carrying video data VD and/or alarm signals AS, including ***wired or wireless (including RF, IR, laser, Bluetooth, WiFi, etc.)***, and/or via a packet-switched network,
>
> **paragraph** 0025, Each camera C can include integrated video analytics capability. Each camera C can analyze its own video data VD and determine that an **alarm condition exists**, and thus **generate an alarm signal** AS as well as video data VD. Thus, a camera C disposed to view a window at the monitored premise MP,

> **paragraph** 0026, Camera C may be activated by an alarm signal AS received from alarm sensor S, to begin analysis of its **own video data**, and/or to begin transmitting video data VD to other devices,
>
> **paragraph 0044,** a camera group may include all cameras that are from a single manufacturer and are set up for video at CIF resolution at ***15 frames per second,*** using **MPEG-4** Simple Profile compression over the RTP protocol,
>
> **paragraph** 0043, based on video analytics, specific ***parts of the image*** that correspond to the verified alarm condition may be encoded at a higher bit rate and/or quality of encoding).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to retrieve information for graphical images according to alert priorities and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to retrieve information for graphical images according to alert priorities and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

Regarding claim 12, Petite discloses the method of claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises: retrieving enhanced information based on the device identifier and/or the device condition

(**paragraph** 0011, the communication device preferably has a **unique address** to ***distinguish it from other communication devices***, The smoke detector can also comprise an alarm to emit an audible alarm or a visual alarm in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the **unique address of the communication device**, a ***command indicator*** comprising a command code,

paragraph 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200).

Petite and Jung fails to disclose retrieving information including written information.

In analogous art, Gagvani discloses disclose retrieving information including written information

(**paragraph** 0030, FIGS. 5 and 6, the system can verify alarms or other user-defined events and can push alerts (which, as described below, may include video, text ***("as written form")*** and/or other content) to selected endpoints or recipients R, for example wireless or mobile endpoints, as the events occur,

paragraph 0031, Alerts can be sent to recipients in various forms, including email, text message ***("as written form")***, MMS, voice calls or other alert modes,

paragraph 0038, Device properties include capabilities such as storage capacity, bandwidth, processing capacity, decoding capability, image display resolution, text display capabilities and supported protocols such as email (e.g., POP, SMTP, IMAP), SMS (text messaging) ***("as written form")***, RSS, web browser, media player, etc,

paragraph 0039, FIG. 9 illustrates, actions can be ***any combination of alarms***, electronic communication in the form of ***text ("as written form"), multimedia attachment***, streaming video, or in the form of device control ranging from locking a door, switching on a light or sounding an alarm).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to retrieve information and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to retrieve information and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system

Regarding claim 14, Petite discloses the method of claim 12, wherein the retrieving enhanced information including written information based on the device identifier and/or the device condition comprises: retrieving enhanced information based on the device identifier and/or the device condition

> (**paragraph** 0011, the communication device preferably has a **unique address** to ***distinguish it from other communication devices***, The smoke detector can also comprise an alarm to emit an audible alarm or a visual alarm in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the **unique address of the communication device**, a ***command indicator*** comprising a command code,
>
> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200).

Petite and Jung fails to disclose retrieving information including written information organized on one or more graphical images.

In analogous art, Gagvani discloses disclose retrieving information including written information organized on one or more graphical images

> (**paragraph** 0030, FIGS. 5 and 6, the system can verify alarms or other user-defined events and can push alerts (which, as described below, may include video, text ***("as written form")*** and/or other content) to selected endpoints or recipients R, for example wireless or mobile endpoints, as the events occur,
>
> **paragraph** 0031, Alerts can be sent to recipients in various forms, including email, text message ***("as written form")***, MMS, voice calls or other alert modes,
>
> **paragraph** 0038, Device properties include capabilities such as storage capacity, bandwidth, processing capacity, decoding capability, image display resolution, text display capabilities and supported protocols such as email (e.g., POP, SMTP, IMAP), SMS (text messaging) ***("as written form")***, RSS, web browser, media player, etc,
>
> **paragraph 0039,** FIG. 9 illustrates, actions can be ***any combination of alarms***, electronic communication in the form of ***text ("as written form"), multimedia attachment***, streaming video, or in the form of device control ranging from locking a door, switching on a light or sounding an alarm).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to retrieve information for graphical images according to alert priorities and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

The motivation would have been to retrieve information for graphical images according to alert priorities and to dispatch the information to the communication destinations using the different communication methods for easy use with the premises monitoring system.

Regarding claim 15, Petite discloses the method of claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition based on the device identifier and/or the device condition

> (**paragraph** 0011, the communication device preferably has a **unique address** to ***distinguish it from other communication devices***, The smoke detector can also comprise an alarm to emit an audible alarm or a visual alarm in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the **unique address of the communication device**, a ***command indicator*** comprising a command code,
>
> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200).

Petite and Jung fails to disclose determining one or more communication methods of email, text message, instant message, website link, phone, and/or mail.

In analogous art, Gagvani discloses determining one or more communication methods of email, text message, instant message, website link, phone, and/or mail

> (**paragraph** 0017, Cameras C and alarm sensors S may be coupled to processor P by any suitable ***communications link*** capable of carrying video data VD and/or alarm signals AS, including ***wired or wireless (including RF, IR, laser, Bluetooth, WiFi, etc.)***, and/or via a packet-switched network,,

paragraph 0030, FIGS. 5 and 6, the system can verify alarms or other user-defined events and can push alerts (which, as described below, may include **video, text and/or other content)** to selected endpoints or recipients R, for example wireless or mobile endpoints, as the events occur,

paragraph 0031, Alerts can be sent to recipients in various forms, including ***email, text message MMS, voice calls or other alert modes***,

paragraph 0038, Device properties include capabilities such as storage capacity, bandwidth, processing capacity, decoding capability, image display resolution, text display capabilities and supported protocols such as **email (e.g., POP, SMTP, IMAP), SMS (text messaging), RSS, web browser, media player, etc,**

paragraph 0039, FIG. 9 illustrates, actions can be ***any combination of alarms***, electronic communication in the form of ***text, multimedia attachment***, streaming video, or in the form of device control ranging from locking a door, switching on a light or sounding an alarm,

paragraph 0043, The central server can then, according to the user defined profile, send an instruction to the user's mobile device, for example, a ***cell phone, personal digital assistant, smart phone*** or a laptop computer, to download the selected segment and simultaneously notify the user).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to use different communication method to send alarm notification signal for better flexibility and authenticated use with the premises monitoring system.

The motivation would have been to use different communication method to send alarm notification signal for better flexibility and authenticated use with the premises monitoring system.

Regarding claim 16, Petite discloses the method of claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition based on the device identifier and/or the device condition.

> (**paragraph** 0011, the communication device preferably has a **unique address** to ***distinguish it from other communication devices***, The smoke detector can also comprise an alarm to emit an audible alarm or a visual alarm in response to the alarm signal. The packet preferably includes a ***receiver address*** comprising a scalable address of the remote monitoring device, a ***sender address*** comprising the **unique address of the communication device**, a ***command indicator*** comprising a command code,
>
> ***paragraph*** 0046, Each transmitter unit 300 in a DCCMS 200 (FIG. 2) may be configured with a ***unique identification code*** (e.g., a transmitter identification number) 320, that ***uniquely identifies*** the RF transmitter 320 to other devices within the DCCMS 200).

Petite and Jung fails to disclose determining one or more device communication destinations of a personal computer, a phone, a mobile device, a display, and/or a custom device.

In analogous art, Gagvani discloses determining one or more device communication destinations of a personal computer, a phone, a mobile device, a display, and/or a custom device

> (**paragraph** 0017, Cameras C and alarm sensors S may be coupled to processor P by any suitable ***communications link*** capable of carrying video data VD and/or alarm signals AS, including ***wired or wireless (including RF, IR, laser, Bluetooth, WiFi, etc.)***, and/or via a packet-switched network,
>
> **paragraph** 0030, FIGS. 5 and 6, the system can verify alarms or other user-defined events and can push alerts (which, as described below, may include video, text and/or other content) to selected endpoints or recipients R, for example wireless or mobile endpoints, as the events occur,
>
> **paragraph** 0031, Alerts can be sent to recipients in various forms, including ***email, text message MMS, voice calls or other alert modes***,,

> **paragraph** 0038, Device properties include capabilities such as storage capacity, bandwidth, processing capacity, decoding capability, image display resolution, text display capabilities and supported protocols such as email (e.g., POP, SMTP, IMAP), SMS (text messaging), RSS, web browser, media player, etc,
>
> **paragraph 0039,** FIG. 9 illustrates, actions can be ***any combination of alarms***, electronic communication in the form of ***text, multimedia attachment***, streaming video, or in the form of device control ranging from locking a door, switching on a light or sounding an alarm,
>
> **paragraph 0043,** a user can specify that in the case of an unexpected vehicle parking in the driveway, the selected segment will be sent from the analytics processor to a central server. The central server can then, according to the user defined profile, send an instruction to the user's mobile device, for example, a ***cell phone, personal digital assistant, smart phone*** or a laptop computer, to download the selected segment and simultaneously notify the user).

Therefore, it would have been obvious to one of ordinary skill in the art to modify the feature of **Petite and Jung** with **Gagvani** to use different communication method to send alarm notification signal for better flexibility and authenticated use with the premises monitoring system.

The motivation would have been to use different communication method to send alarm notification signal for better flexibility and authenticated use with the premises monitoring system.

Conclusion

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

Naidoo (US 2008/0048861 A1) discloses LIFESTYLE MULTIMEDIA SECURITY SYSTEM.

Mehaffey (US 2008/0088439 A1) discloses Remote monitor system with radio dispatch.

Busey (US 2008/0258913 A1) discloses ELECTRONIC PERSONAL ALERT SYSTEM.

Hagadone (US 2010/0204960 A1) discloses REMOTE FAULT DETECTION AND CONDITION MONITORING.

Glenn (US 2006/0028336 A1) discloses Remote monitoring system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MIRZA ALAM whose telephone number is (571)270-7197. The examiner can normally be reached on 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Zimmerman can be reached on (571)272-3059. 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.

/MIRZA ALAM/
Examiner, Art Unit 2612

/Brian A Zimmerman/
Supervisory Patent Examiner, Art Unit 2612

Notice of References Cited	Application/Control No. 12/695,373	Applicant(s)/Patent Under Reexamination FOX, RODNEY W.	
	Examiner MIRZA ALAM	Art Unit 2612	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2005/0190055	09-2005	Petite, Thomas D.	340/531
*	B	US-2009/0022362	01-2009	Gagvani et al.	382/100
*	C	US-2008/0048861	02-2008	Naidoo et al.	340/541
*	D	US-2008/0088439	04-2008	Mehaffey, Joseph Sutton	340/539.18
*	E	US-2008/0258913	10-2008	Busey, Andrew	340/540
*	F	US-2010/0204960	08-2010	Hagadone et al.	702/188
*	G	US-2006/0028336	02-2006	Glenn et al.	340/531
*	H	US-2006/0227997	10-2006	Au et al.	382/103
*	I	US-2003/0062997	04-2003	Naidoo et al.	340/531
*	J	US-2006/0123007	06-2006	Aaron et al.	707/009
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	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

*		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.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12695373	FOX, RODNEY W.
	Examiner	Art Unit
	MIRZA ALAM	2612

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

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

CLAIM		DATE								
Final	Original	04/17/2012								
	1	✓								
	2	✓								
	3	✓								
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	5	✓								
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	18	✓								
	19	✓								
	20	✓								

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12695373	FOX, RODNEY W.
	Examiner	**Art Unit**
	MIRZA ALAM	2612

SEARCHED			
Class	**Subclass**	**Date**	**Examiner**
340	539.1, 531, 506, 539, 5.64, 539.18, 505, 539.18, 7.58, 7.52, 10.1, 5.64, 425.5, 904	4/17/2012	MA
455	412.1, 412.2, 404.1, 521, 403, 550, 426, 422	4/17/2012	MA
379	37-40, 45-47, 49	4/17/2012	MA
370	310, 338, 310.2, 312, 313, 328, 400, 401	4/17/2012	MA

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
EAST	4/17/2012	MA
PALM	4/17/2012	MA
INVENTOR SEARCH	4/17/2012	MA

INTERFERENCE SEARCH			
Class	**Subclass**	**Date**	**Examiner**

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	12695373
	Filing Date	2010-01-28
	First Named Inventor	Rodney W. Fox
	Art Unit	2612
	Examiner Name	Mirza Alam
	Attorney Docket Number	ILNX-1-1001-2

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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If you wish to add additional U.S. Patent citation information please click the Add button.						

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	12695373
	Filing Date	2010-01-28
	First Named Inventor	Rodney W. Fox
	Art Unit	2612
	Examiner Name	M. ALAM
	Attorney Docket Number	ILNX-1-1001-2

	1	INVENTION INSPIRATION AND GENERAL DEVELOPED TECHNOLOGIES KNOWN BY INVENTOR	☐

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Examiner Signature	/Mirza Alam/	Date Considered	04/16/2012

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[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"wo 2006101477 A1"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:11
L2	3	"20080284580"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:12
L3	27	((fox) near2 (rodney)).inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:14
L4	28640	(340/628; 340/627 ; 340/630 ; 340/632 ; 340/539.1 ; 340/577 ; 340/500 ; 340/520-524 ; 340/531 ; 340/540 ; 340/286.02 ; 340/286.05 ; 340/506 ; 340/628; 340/629 ; 340/630 ; 340/632 ; 340/539.1 ; 340/577 ; 340/500 ; 340/520-524 ; 340/531 ; 340/540 ; 340/534 ; 340/286.02 ; 340/286.05; 340/425.5; 340/426 ; 340/438 ; 340/445 ; 340/539 ; 340/542 ; 340/933 ; 340/904 ; 340/5.3 ; 340/5.64 ; 340/5.72 ; 340/5.73 ; 340/937 ; 340/539.18; 340/539.16 ; 340/505 ; 340/539.1; 340/506 ; 340/531 ; 340/539.18 ; 340/539.19 ; 340/7.58 ; 340/7.51 ; 340/7.52).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:18
L5	7619	(455/412.1 ; 455/412.2 ; 455/404.1; 455/404.1 ; 455/521 ; 455/404; 455/403 ; 455/550 ; 455/426 ; 455/422).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:18
L6	1243	(701/35 ; 701/114 ; 701/117.3 ; 701/215).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:19

L7	36912	(370/310; 370/338; 370/310 ; 370/310.2 ; 370/312 ; 370/313 ; 370/315 ; 370/328 ; 370/400 ; 370/401).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:19
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L12	10	((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (verify$3 or verifi$6 or authentic$5) same (false$1 same positive$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:45
L13	87	((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (verify$3 or verifi$6 or authentic$5) same (false$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:46
L14	132	((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (verify$3 or verifi$6 or authentic$5 or identif$3 or identifie$3) same (false$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:48
L15	449	(alert$1 same (vary$3 or vari$4 or flex$4 or chang$3) same time$1 same day$1 same week$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:50
L16	35	detect$4 same motion$1 same entry$1 same (authoriz$6) same identif$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2012/04/17 07:55

			IBM_TDB			
L17	88	(motion$1 and glass$1 and door$1 and window$1 and infrared$1 and sound$1 and pressure$1 and tension$1 and magnet$6 and temperature$1 and humid$3 and fire$1 and smoke$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 07:58
L18	4	(motion$1 and (glass$1 with (broken$1 or break$3)) and door$1 and window$1 and infrared$1 and sound$1 and pressure$1 and tension$1 and magnet$6 and temperature$1 and humid$3 and fire$1 and smoke$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:00
L19	0	L5 and ((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (preced$3 same subsequent$1) same time$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:33
L20	1	L4 and ((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (preced$3 same subsequent$1) same time$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:33
L21	0	L7 and ((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (preced$3 same subsequent$1) same time$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:33
L22	4	((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (preced$3 same subsequent$1) same time$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:33
L23	1666	((surveill$4 or securit$3 or intru$4 or burglar$2 or alarm$1) same (video$1 or frame$1) same (preced$3 or before$1) same (after$1 or subsequent$1 or follow$3) same time$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:35
L24	76	((surveill$4 or securit$3 or intru$4 or burglar$2 or alarm$1) with (video$1 or frame$1) with (preced$3 or before$1) with (after$1 or subsequent$1 or follow$3) with time$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:36
L25	96	((surveill$4 or securit$3 or intru$4 or burglar$2 or alarm$1) with (transmit$4 or send$3) with (video$1 or frame$1) with (user$1 or recipient$1) with (identify$3 or	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2012/04/17 08:38

		identifi$6 or verify$3 or verifi$6))	EPO; JPO; DERWENT; IBM_TDB			
L26	325	(((surveill$4 or securit$3 or intru$4 or send$3) with (video$1 or frame$1) with select$2 with (user$1 or recipient$1)) same (identify$3 or identifi$6 or verify$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:41
L27	242	(((transmitS4 or send$3)with (video$1 or frame$1) with select$2 with (user$1 or recipient$1)) same (identify$3 or identifi$6))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:43
L28	2073	(((transmitS4 or send$3) same (video$1 or frame$1) same select$2 same (user$1 or recipient$1)) same (identify$3 or identifi$6))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:43
L29	3	L28 and ((surveill$4 or securit$3 or intru$4 or burglar$2) same (video$1) same alarm$1 same (verify$3 or verifi$6 or authentic$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:44
L30	0	L27 and (alert$1 same (vary$3 or vari$4 or flex$4 or chang$3) same time$1 same day$1 same week$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:45
L31	340	(((transmit$4 or send$3)same (video$1 or frame$1) same (user$1 or recipient$1) same profile$1) same (identify$3 or identifi$6 or verify$3 or verifi$6) same (authenticat$3 or secure$5 or access$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:47
L32	0	L31 and ((survei$3 or securit$3 or intru$4 or buglar$1) same vide$l same motion$1 same multiple$1 same level$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:49
L33	0	((survei$3 or securit$3 or intru$4 or buglar$1) same vide$l same motion$1 same multiple$1 same level$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:49
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L37	2	"6914533".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/17 08:56
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S3	1	"12174225"	US-PGPUB;	OR	OFF	2012/04/16

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S12	1	"12366681"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/16 16:34
S13	1	"12887228"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/16 16:35
S14	1	"11863669"	US-PGPUB; USPAT;	OR	OFF	2012/04/16 16:37

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S16	3	"20080088439"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/16 16:40
S17	19	("20070296575" | "2364357" | "4868859" | "5278539" | "5283549" | "5568535" | "5745849" | "5777551" | "5821855" | "6032036" | "6094140" | "6542078" | "6833788" | "6850601" | "6965313" | "7126472" | "7180415" | "7277018").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/04/16 16:42
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S19	2	"11418381"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/16 16:49
S20	2	"20040215520"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/16 16:51
S21	4	"11245360"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/16 16:52
S22	2	"6748343".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/16 17:02
S23	3	"7016813".pn.	US-PGPUB;	OR	OFF	2012/04/16

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S29	3	"20080258913"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2012/04/16 17:06
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4/17/2012 9:02:34 AM
C:\Users\malam\Documents\EAST\Workspaces\12695373.wsp

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	12/695,373
Filing Date	Jan 28, 2010
First Named Inventor	Rodney W. Fox
Art Unit	2612
Examiner Name	Mirza Alam
Attorney Docket Number	ILNX-1-1001-2

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	Examiner Name	M. ALAM
	Attorney Docket Number	ILNX-1-1001-2

	1	WALTER W. JONES AND RICHARD W. BUKOWSKI, "Critical Information for First Responders, Whenever and Wherever It Is Needed", National Institute of Standards and Technology - International Interflam Conference, 9th Proceedings, Volume 2, September 17-19, 2001, Gaithersburg, MD, USA	☐

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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

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First Named Inventor	Rodney W. Fox
Art Unit	2612
Examiner Name	~~Benjamin C. Lee~~ M. ALAM
Attorney Docket Number	33340-1001

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		US-6748343		Jun 8, 2004	Alexander et al.	
		US-7016813		Mar 21, 2006	Alexander et al.	
		US-7062343		Jun 13, 2006	Ogushi et al.	
		US-7750795		Jul 6, 2010	Nagata	
		US-7805279		Sep 28, 2010	Ogushi et al.	

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-20080117068		May 22, 2008	Sandstrom	
		US-20080255782		Oct 16, 2008	Bilac et al.	
		US-20080258913		Oct 23, 2008	Busey	
		US-2009/0121860		May 14, 2009	Kimmel et al.	
		US-2010/0017232		Jan 21, 2010	Spedale et al.	

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	Examiner Name	~~Benjamin C. Lee~~ M. ALAM
	Attorney Docket Number	33340-1001

		US-2011/0006880		Jan 13, 2011	Long et al.	
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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[5]

EXAMINER SIGNATURE

Examiner Signature	/Mirza Alam/	Date Considered	04/16/2012

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Art Unit	2612
Examiner Name	~~Benjamin C. Lee~~ M. ALAM
Attorney Docket Number	33340-1001

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e) (1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e) (2).

☒ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	September 27, 2011
Name/Print	Jeffrey D. Myers	Registration Number	35,964

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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Date: 4/17/2012
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Inventor Name Search Result

Your Search was:

Last Name = FOX
First Name = RODNEY

Application#	Patent#	PG Pub#	Status	Date Filed	Title	Examiner Name	Inventor Name
06173615	4293312		150	07/30/1980	COMBUSTIBLE COMPOSITIONS AND PROCESSES FOR THEIR PRODUCTION	DEES,CARL	FOX, RODNEY
06173625	4293313		150	07/30/1980	COMBUSTIBLE COMPOSITIONS AND PROCESSES FOR THEIR PRODUCTION	DEES,CARL	FOX, RODNEY
06340462	4443242		250	01/18/1982	FOLIAR FEED	LANDER,FERRIS	FOX, RODNEY
06298323	Not Issued		161	09/01/1981	COMBUSTIBLE COMPOSITIONS	MEDLEY,MARGARET	FOX, RODNEY T.
06298324	Not Issued		161	09/01/1981	COMBUSTIBLE COMPOSITIONS	MEDLEY,MARGARET	FOX, RODNEY T.
06298325	Not Issued		161	09/01/1981	COMBUSTIBLE COMPOSITIONS	MEDLEY,MARGARET	FOX, RODNEY T.
07087784	4802997		150	08/21/1987	METHOD FOR THE TREATMENT OF TEXTILE SURFACES AND COMPOSITIONS FOR USE THEREIN	NOT,DEFINED	FOX, RODNEY T.
07096116	4808328		150	09/11/1987	EMANATOR FOR VOLATILE LIQUIDS	KASHNIKOW,ANDRES	FOX, RODNEY T.
07259439	Not Issued		161	10/17/1988	METHOD FOR THE TREATMENT OF TEXTILE SURFACES AND COMPOSITIONS FOR USE THEREIN	NOT,DEFINED	FOX, RODNEY T.
07828616	5210121		150	01/27/1992	DEVICE FOR THE EVAPORATION OF VOLATILE LIQUIDS	GRANT,WILLIAM	FOX, RODNEY T.
08406922	5716009		250	04/13/1995	EMANATOR FOR VOLATILE LIQUIDS	BARTZ,CLIFFORD	FOX, RODNEY T.
09530150	6279834		150	06/28/2000	COMPRESSED GAS PROPELLED AEROSOL DEVICES	MORRIS,LESLEY	FOX, RODNEY THOMAS
09720684	6482357		150	06/08/2001	TREATMENT OF AIRBORNE ALLERGENS	CONLEY,SEAN	FOX, RODNEY THOMAS
09720887	6612510		150	06/08/2001	AEROSOL SPRAYING	HWU,DAVIS	FOX, RODNEY THOMAS
09720898	6592813		150	07/11/2001	MALODOUR COUNTERACTING TREATMENT	CHORBAJI,MONZER	FOX, RODNEY THOMAS
09730941	Not Issued		161	06/08/2001	Inhalation of aerosol actives	LANDAU,SHARMILA	FOX, RODNEY THOMAS
09720942	Not Issued		168	06/08/2001	Treatment of airborne microorganisms	JIANG,SHAOJIA	FOX, RODNEY THOMAS
09868125	6701663		250	09/25/2001	METHOD AND APPARATUS FOR DISPERSING A VOLATILE COMPOSITION	BERONA,KIMBERLY	FOX, RODNEY THOMAS
10773616	Not Issued		160	02/06/2004	Method and apparatus for dispersing a volatile composition	,	FOX, RODNEY THOMAS
10774475	6877271	20040154214	150	02/10/2004	METHOD AND APPARATUS FOR DISPERSING A VOLATILE COMPOSITION	NGUYEN,TRINH	FOX, RODNEY THOMAS
09446482	6199766		150	03/07/2000	TARGETING OF FLYING INSECTS WITH INSECTICIDES AND APPARATUS FOR CHARGING LIQUIDS	NGUYEN,DINH	FOX, RODNEY THOMAS
12695373	Not Issued	20110032109	30	01/28/2010	Premises Monitoring System	ALAM,MIRZA	FOX, RODNEY W.
61147948	Not Issued		159	01/28/2009	PREMISES MONITORING SYSTEM	,	FOX, RODNEY W.
61228044	Not Issued		159	07/23/2009	PREMISES MONITORING SYSTEM	,	FOX, RODNEY W.

Inventor Search Completed: No Records to Display.

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CONFIRMATION NO. 7795

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/695,373	01/28/2010 RULE	340	2612	33340-1001

APPLICANTS
Rodney W. Fox, Couer d'Alene, ID;

**** CONTINUING DATA ***************************
This appln claims benefit of 61/147,948 01/28/2009
and claims benefit of 61/228,044 07/23/2009

**** FOREIGN APPLICATIONS ***************************

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02/12/2010

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /MIRZA F ALAM/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		ID	10	20	1

ADDRESS

PEACOCK MYERS, P.C.
201 THIRD STREET, N.W.
SUITE 1340
ALBUQUERQUE, NM 87102
UNITED STATES

TITLE

Premises Monitoring System

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797	No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

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First Named Inventor	Rodney W. Fox
Art Unit	2612
Examiner Name	Benjamin C. Lee
Attorney Docket Number	33340-1001

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		US-6748343		Jun 8, 2004	Alexander et al.	
		US-7016813		Mar 21, 2006	Alexander et al.	
		US-7062343		Jun 13, 2006	Ogushi et al.	
		US-7750795		Jul 6, 2010	Nagata	
		US-7805279		Sep 28, 2010	Ogushi et al.	

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		US-20080255782		Oct 16, 2008	Bilac et al.	
		US-20080258913		Oct 23, 2008	Busey	
		US-2009/0121860		May 14, 2009	Kimmel et al.	
		US-2010/0017232		Jan 21, 2010	Spedale et al.	

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	Attorney Docket Number	33340-1001

		US-2011/0006880		Jan 13, 2011	Long et al.	
		US-2011/0032109		Feb 10, 2011	Fox	

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Examiner Name	Benjamin C. Lee
Attorney Docket Number	33340-1001

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e) (1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e) (2).

☒ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	September 27, 2011
Name/Print	Jeffrey D. Myers	Registration Number	35,964

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

Electronic Acknowledgement Receipt

EFS ID:	11062089
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	5179
Filer:	Jeffrey Myers/Svitlana Anderson
Filer Authorized By:	Jeffrey Myers
Attorney Docket Number:	33340-1001
Receipt Date:	27-SEP-2011
Filing Date:	28-JAN-2010
Time Stamp:	17:52:14
Application Type:	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_.pdf	910770 b56079ef0a35819e06f506123592 2d82729b6d57	yes	5

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	2
	Information Disclosure Statement (IDS) Form (SB08)	3	5
Warnings:			
Information:			
	Total Files Size (in bytes):	910770	

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Rodney W. Fox	Examiner:	Benjamin C. Lee
Serial No.:	12/695,373 conf. # 7795	Group Art Unit:	2612
Filed:	January 28, 2010	Docket:	33340-1001
Title:	PREMISES MONITORING SYSTEM		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the referenced materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 13-4213 in order to have this Supplemental Information Disclosure Statement considered. The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

RODNEY W. FOX AND APPLIED CAPITAL, INC.

By Representatives,

PEACOCK MYERS, P.C.
P.O. Box 26927
Albuquerque, New Mexico 87125-6927
505 998 1502

Date September 27, 2011

By _____
Jeffrey D. Myers
Reg. No. 35,964

CERTIFICATE OF ELECTRONIC FILING: I hereby certify that this correspondence is being deposited with the United States Patent and Trademark Office as an electronic filing via Patent Electronic Filing System (EFS) addressed to: Commissioner for Patents on September 27, 2011.

Svitlana Anderson, Paralegal
Name

Electronic Signature /Svitlana Anderson/
Signature

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/695,373	01/28/2010	Rodney W. Fox	ILNX-1-1001-2

CONFIRMATION NO. 7795

5179
PEACOCK MYERS, P.C.
201 THIRD STREET, N.W.
SUITE 1340
ALBUQUERQUE, NM 87102

POA ACCEPTANCE LETTER

OC000000048979118

Date Mailed: 07/29/2011

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/20/2011.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/erimando/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

PTO/SB/81 (01-09)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Application Number	12/695,373
Filing Date	01/28/2010
First Named Inventor	Rodney W. Fox
Title	Premises Monitoring System
Art Unit	2612
Examiner Name	Benjamin C. Lee
Attorney Docket Number	

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: 05179

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number.

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the:

☐ Applicant/Inventor.

OR

☒ Assignee of record of ~~the entire interest. See 37 CFR 3.71~~ 51% interest

Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on Herewith

SIGNATURE of Applicant or Assignee of Record

Signature		Date	6/27/11
Name	Mark Burkhard	Telephone	505-346-1840
Title and Company	Vice President - Applied Capital Inc.		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. 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 3 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.

PTO/SB/96 (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Rodney W. Fox

Application No./Patent No.: 12/695,373 Filed/Issue Date: 01/28/2010

Titled:

Applied Capital, Inc., a New Mexico Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.

states that it is:

1. ☐ the assignee of the entire right, title, and interest in;

2. ☒ an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is 51 %); or

3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 026026, Frame 0216, or for which a copy therefore is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

_____ 7/1/2010

Signature Date

Mark Burkhard Vice President

Printed or Typed Name Title

This collection of information is required by 37 CFR 3.73(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 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.

PTO/SB/81 (01-09)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Application Number	12/695,373
Filing Date	01/28/2010
First Named Inventor	Rodney W. Fox
Title	Premises Monitoring System
Art Unit	2612
Examiner Name	Benjamin C. Lee
Attorney Docket Number	

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: **05179**

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number.

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the:

☒ Applicant/Inventor.

OR

☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on _____.

SIGNATURE of Applicant or Assignee of Record

Signature		Date	5-23-11
Name	Rodney W. Fox	Telephone	208-691-2199
Title and Company			

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. 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 3 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.

Electronic Acknowledgement Receipt	
EFS ID:	10558749
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Correspondence Address:	RODNEY W. FOX - 3848 E. LOOKOUT DRIVE - COEUR D'ALENE ID 83815 US - -
Filer:	Jeffrey Myers/Susan Wilkes
Filer Authorized By:	Jeffrey Myers
Attorney Docket Number:	ILNX-1-1001-2
Receipt Date:	20-JUL-2011
Filing Date:	28-JAN-2010
Time Stamp:	13:08:54
Application Type:	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	Power of Attorney	Rev_POA_373.PDF	169888 2d417b3c707211206268274d84a0ad4931e25f23	no	2
Warnings:					
Information:					
2	Power of Attorney	RevPOAFox.PDF	41546 ad2966ff68f10a07f441899d4ac893e3a70e75ff	no	1
Warnings:					
Information:					
		Total Files Size (in bytes):	211434		

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

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

RUTTLER PLLC
ONE UNION SQUARE
600 UNIVERSITY STREET
SUITE 1730
SEATTLE WA 98101

MAILED
JUL 07 2011
OFFICE OF PETITIONS

In re Application of
Rodney W. Fox
Application No. 12/695,373
Filed: January 28, 2010
Attorney Docket No. ILNX-1-1001-2

DECISION ON PETITION
TO WITHDRAW FROM RECORD

This is a decision on the renewed Request to Withdraw as attorney or agent of record under 37 C.F.R. § 1.36(b), filed July 1, 2011.

The request is **APPROVED**.

A grantable request to withdraw as attorney/agent of record must be signed by every attorney/agent seeking to withdraw or contain a clear indication that one attorney is signing on behalf of another/others. The Office will require the practitioner(s) to certify that he, she or they have: (1) given reasonable notice to the client, prior to the expiration of the reply period, which the practitioner(s) intends to withdraw from employment; (2) delivered to the client or a duly authorized representative of the client all papers and property (including funds) to which the client is entitled; and (3) notified the client of any replies that may be due and the time frame within which the client must respond, pursuant to 37 CFR 10.40 (c).

The request was signed by James J. Ruttler on behalf of all attorneys of record who are associated with Customer Number 59520.

All attorneys/agents associated with the Customer Number 59520 have been withdrawn. Applicant is reminded that there is no attorney of record at this time.

All future correspondence will be directed to the applicant at the address indicated below.

Currently, there is no outstanding Office action that requires a reply.

Telephone inquiries concerning this decision should be directed to the undersigned at (571) 272-7751. All other inquires concerning either the examination or status of the application should be directed to the Technology Center.

/Joan Olszewsli/
Joan Olszewski
Petitions Examiner
Office of Petitions

cc: Rodney W. Fox
3848 E. Lookout Drive
Coeur d'Alene, ID 83815

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/695,373	01/28/2010	Rodney W. Fox	ILNX-1-1001-2

CONFIRMATION NO. 7795

59520
Ruttler PLLC
One Union Square
600 University Street
Suite 1730
Seattle, WA 98101

POWER OF ATTORNEY NOTICE

OC000000048613477

Date Mailed: 07/06/2011

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/01/2011.

- The withdrawal as attorney in this application has been accepted. Future correspondence will be mailed to the new address of record. 37 CFR 1.33.

/jolszewski/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Doc Code: PET.POA.WDRW
Document Description: Petition to withdraw attorney or agent (SB83)

PTO/SB/83 (11-08)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
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REQUEST FOR WITHDRAWAL AS ATTORNEY OR AGENT AND CHANGE OF CORRESPONDENCE ADDRESS

Application Number	12/695,373
Filing Date	01/28/2010
First Named Inventor	Rodney W. Fox
Art Unit	2612
Examiner Name	NA
Attorney Docket Number	ILNX-1-1001-2

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

Please withdraw me as attorney or agent for the above identified patent application, and

- ☐ all the practitioners of record;
- ☐ the practitioners (with registration numbers) of record listed on the attached paper(s); or
- ☑ the practitioners of record associated with Customer Number: 59520

NOTE: The immediately preceding box should only be marked when the practitioners were appointed using the listed Customer Number.

The reason(s) for this request are those described in 37 CFR :

☐ 10.40(b)(1)	☐ 10.40(b)(2)	☐ 10.40(b)(3)	☐ 10.40(b)(4)
☐ 10.40(c)(1)(i)	☐ 10.40(c)(1)(ii)	☐ 10.40(c)(1)(iii)	☐ 10.40(c)(1)(iv)
☐ 10.40(c)(1)(v)	☑ 10.40(c)(1)(vi)	☐ 10.40(c)(2)	☐ 10.40(c)(3)
☐ 10.40(c)(4)	☐ 10.40(c)(5)	☐ 10.40(c)(6) Please explain below:	

Certifications

Check each box below that is factually correct. WARNING: If a box is left unchecked, the request will likely not be approved.

1. ☑ I/We have given reasonable notice to the client, prior to the expiration of the response period, that the practitioner(s) intend to withdraw from employment.

2. ☑ I/We have delivered to the client or a duly authorized representative of the client all papers and property (including funds) to which the client is entitled.

3. ☑ I/We have notified the client of any responses that may be due and the time frame within which the client must respond.

Please provide an explanation, if necessary:

This collection of information is required by 37 CFR 1.36. 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 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.

PTO/SB/83 (11-08)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
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.

REQUEST FOR WITHDRAWAL AS ATTORNEY OR AGENT AND CHANGE OF CORRESPONDENCE ADDRESS

Complete the following section only when the correspondence address will change. *Changes of address will only be accepted to an inventor or an assignee that has properly made itself of record pursuant to 37 CFR 3.71.*

Change the correspondence address and direct all future correspondence to:

A. ☐ The address of the inventor or assignee associated with Customer Number: _____

OR

B. ☑ Inventor or Assignee name	Rodney W. Fox
Address	3848 E. Lookout Drive

City Coeur d'Alene	State ID	Zip 83815	Country USA
Telephone		Email	

I am authorized to sign on behalf of myself and all withdrawing practitioners.

Signature	/James J. Ruttler/		
Name	James J. Ruttler	Registration No. 56919	
Address	600 University Street, Suite 1730		
City Seattle	State WA	Zip 98101	Country USA
Date	07/01/2011	Telephone No. 206 920 8062	

NOTE: ***Withdrawal is effective when approved rather than when received.***

This collection of information is required by 37 CFR 1.36. 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 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.

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.

Electronic Acknowledgement Receipt

EFS ID:	10437851
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	59520
Filer:	James Jeffry Ruttler
Filer Authorized By:	
Attorney Docket Number:	ILNX-1-1001-2
Receipt Date:	01-JUL-2011
Filing Date:	28-JAN-2010
Time Stamp:	12:23:22
Application Type:	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	Petition to withdraw attorney or agent (SB83)	ILNX-1-1001-2_POAWithdrawal2.pdf	306501 effc099973a0c257710a07f5de8bb23aa6953a81	no	3

Warnings:	
Information:	

Total Files Size (in bytes):	306501

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

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United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

RUTTLER PLLC
ONE UNION SQUARE
600 UNIVERSITY STREET
SUITE 1730
SEATTLE WA 98101

MAILED

JUN 06 2011

OFFICE OF PETITIONS

In re Application of :
Rodney W. Fox :
Application No. 12/695,373 : DECISION ON PETITION
Filed: January 28, 2010 TO WITHDRAW FROM RECORD
Attorney Docket No. ILNX-1-1001-2 :
:

This is a decision on the Request to Withdraw as attorney or agent of record under 37 C.F.R. § 1.36(b), filed April 13, 2011.

The request is **NOT APPROVED**.

The Office will only accept correspondence address changes to the most current address information provided for the assignee of the entire interest *who properly became of record under 37 CFR 3.71,* or, if no assignee of the entire interest has properly been made of record, the most current address information provided for the first named inventor. 37 CFR 3.71(c) states:

> ***An assignee becomes of record either in a national patent application or a reexamination proceeding by filing a statement in compliance with § 3.73(b) that is signed by a party who is authorized to act on behalf of the assignee.***

Petitioner has failed to complete the change of correspondence address section. Petitioner has failed to submit either an assignee or first named inventor as described above. As such, all future communications from the Office will continue to be directed to the above-listed address until otherwise notified by applicant.

Currently, there is no outstanding Office action that requires a reply.

Telephone inquiries concerning this decision should be directed to the undersigned at (571) 272-7751. All other inquires concerning either the examination or status of the application should be directed to the Technology Center.

/Joan Olszewski/
Joan Olszewski
Petitions Examiner
Office of Petitions

Doc Code: PET.POA.WDRW
Document Description: Petition to withdraw attorney or agent (SB83)

PTO/SB/83 (11-08)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
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.

REQUEST FOR WITHDRAWAL AS ATTORNEY OR AGENT AND CHANGE OF CORRESPONDENCE ADDRESS

Application Number	12/695,373
Filing Date	01/28/2010
First Named Inventor	Rodney W. Fox
Art Unit	2612
Examiner Name	NA
Attorney Docket Number	ILNX-1-1001-2

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

Please withdraw me as attorney or agent for the above identified patent application, and

- ☐ all the practitioners of record;
- ☐ the practitioners (with registration numbers) of record listed on the attached paper(s); or
- ☑ the practitioners of record associated with Customer Number: 59520

NOTE: The immediately preceding box should only be marked when the practitioners were appointed using the listed Customer Number.

The reason(s) for this request are those described in 37 CFR :

☐ 10.40(b)(1)	☐ 10.40(b)(2)	☐ 10.40(b)(3)	☐ 10.40(b)(4)
☐ 10.40(c)(1)(i)	☐ 10.40(c)(1)(ii)	☐ 10.40(c)(1)(iii)	☐ 10.40(c)(1)(iv)
☐ 10.40(c)(1)(v)	☑ 10.40(c)(1)(vi)	☐ 10.40(c)(2)	☐ 10.40(c)(3)
☐ 10.40(c)(4)	☐ 10.40(c)(5)	☐ 10.40(c)(6) Please explain below:	

Certifications

Check each box below that is factually correct. WARNING: If a box is left unchecked, the request will likely not be approved.

1. ☑ I/We have given reasonable notice to the client, prior to the expiration of the response period, that the practitioner(s) intend to withdraw from employment.

2. ☑ I/We have delivered to the client or a duly authorized representative of the client all papers and property (including funds) to which the client is entitled.

3. ☑ I/We have notified the client of any responses that may be due and the time frame within which the client must respond.

Please provide an explanation, if necessary:

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REQUEST FOR WITHDRAWAL AS ATTORNEY OR AGENT AND CHANGE OF CORRESPONDENCE ADDRESS

Complete the following section only when the correspondence address will change. *Changes of address will only be accepted to an inventor or an assignee that has properly made itself of record pursuant to 37 CFR 3.71.*

Change the correspondence address and direct all future correspondence to:

A. ☐ The address of the inventor or assignee associated with Customer Number: _____

OR

B. ☑ Inventor or Assignee name

Address 3848 E. Lookout Drive			
City Coeur d'Alene	State ID	Zip 83815	Country USA
Telephone		Email	

I am authorized to sign on behalf of myself and all withdrawing practitioners.

Signature	/James J. Ruttler/		
Name	James J. Ruttler	Registration No. 56919	
Address 600 University Street, Suite 1730			
City Seattle	State WA	Zip 98101	Country USA
Date	04/12/2011	Telephone No. 206 920 8062	

NOTE: ***Withdrawal is effective when approved rather than when received.***

This collection of information is required by 37 CFR 1.36. 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 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.**

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Electronic Acknowledgement Receipt

EFS ID:	9871406
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	59520
Filer:	James Jeffry Ruttler
Filer Authorized By:	
Attorney Docket Number:	ILNX-1-1001-2
Receipt Date:	13-APR-2011
Filing Date:	28-JAN-2010
Time Stamp:	14:57:21
Application Type:	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	Miscellaneous Incoming Letter	ILNX-1-1001-2_POAWithdrawal.pdf	299963 01383578f3f554662c027a7fd5c81b36a5e4a2a4	no	3

Warnings:	
Information:	

Total Files Size (in bytes):	299963

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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.

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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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/695,373	01/28/2010	Rodney W. Fox	ILNX-1-1001-2

CONFIRMATION NO. 7795

59520
Ruttler IP Law PLLC
One Union Square
600 University Street
Suite 1919
Seattle, WA 98101

PUBLICATION NOTICE



Title: Premises Monitoring System

Publication No.US-2011-0032109-A1
Publication Date:02/10/2011

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 Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	12695373
	Filing Date	2010-01-28
	First Named Inventor	Rodney W. Fox
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ILNX-1-1001-2

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					
If you wish to add additional U.S. Patent citation information please click the Add button.						

U.S.PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					
If you wish to add additional U.S. Published Application citation information please click the Add button.						

FOREIGN PATENT DOCUMENTS								
Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] ¡	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐
If you wish to add additional Foreign Patent Document citation information please click the Add button								

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, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	12695373
	Filing Date	2010-01-28
	First Named Inventor	Rodney W. Fox
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ILNX-1-1001-2

	1	INVENTION INSPIRATION AND GENERAL DEVELOPED TECHNOLOGIES KNOWN BY INVENTOR	☐

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	12695373
	Filing Date	2010-01-28
	First Named Inventor	Rodney W. Fox
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ILNX-1-1001-2

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/James J. Ruttler/	Date (YYYY-MM-DD)	2010-01-22
Name/Print	James J. Ruttler	Registration Number	56919

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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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 inspections 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.

Electronic Acknowledgement Receipt

EFS ID:	8832178
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	59520
Filer:	James Jeffry Ruttler
Filer Authorized By:	
Attorney Docket Number:	ILNX-1-1001-2
Receipt Date:	14-NOV-2010
Filing Date:	28-JAN-2010
Time Stamp:	13:48:16
Application Type:	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	Information Disclosure Statement (IDS) Filed (SB/08)	ILNX-1-1001-2IDS2.pdf	37659 08c736eee2bc2dbbe3bc9be356fe5249eb85d520	no	4

Warnings:	
Information:	

This is not an USPTO supplied IDS fillable form					
2	NPL Documents	ILNX-1-1001-2PA2.pdf	1986323 ae2b13d984b46e8635b23d3c8c2d859ec5245195	no	1
Warnings:					
Information:					
			Total Files Size (in bytes):	2023982	

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
12/695,373	01/28/2010	2612	797	ILNX-1-1001-2	20	1

CONFIRMATION NO. 7795

UPDATED FILING RECEIPT

59520
Ruttler IP Law PLLC
One Union Square
600 University Street
Suite 1919
Seattle, WA 98101

OC000000044254488

Date Mailed: 11/01/2010

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)

Rodney W. Fox, Couer d'Alene, ID;

Power of Attorney: The patent practitioners associated with Customer Number 59520

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/147,948 01/28/2009
and claims benefit of 61/228,044 07/23/2009

Foreign Applications

If Required, Foreign Filing License Granted: 02/12/2010

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/695,373**

Projected Publication Date: 02/10/2011

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****

Title

Premises Monitoring System

Preliminary Class

340

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 AssetsControl, 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).

Electronic Patent Application Fee Transmittal

Application Number:	12695373
Filing Date:	28-Jan-2010
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Filer:	James Jeffry Ruttler
Attorney Docket Number:	ILNX-1-1001-2

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	82	82
Utility Search Fee	2111	1	270	270
Utility Examination Fee	2311	1	110	110
Pages:				
Utility Appl Size fee per 50 sheets >100	2081	2	135	270
Claims:				
Miscellaneous-Filing:				
Late filing fee for oath or declaration	2051	1	65	65

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 4 months with $0 paid	2254	1	865	865
Miscellaneous:				
		Total in USD ($)		**1662**

Electronic Acknowledgement Receipt

EFS ID:	8135157
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	Premises Monitoring System
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	59520
Filer:	James Jeffry Ruttler
Filer Authorized By:	
Attorney Docket Number:	ILNX-1-1001-2
Receipt Date:	02-AUG-2010
Filing Date:	28-JAN-2010
Time Stamp:	14:25:28
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1662
RAM confirmation Number	662
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Fee Worksheet (PTO-875)	fee-info.pdf	39979 8feb9182882303735e9ed21c99c9754b35ab4c10	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	39979	

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New Applications Under 35 U.S.C. 111
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National Stage of an International Application under 35 U.S.C. 371
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Ruttler IP Law PLLC
One Union Square
600 University Street
Suite 1919
Seattle, WA 98101

Courtesy Reminder for
Application Serial No: 12/695,373

Attorney Docket No: ILNX-1-1001-2
Customer Number: 59520
Date of Electronic Notification: 02/18/2010

This is a courtesy reminder that new correspondence is available for this application. The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

An email notification regarding the correspondence was sent to the following email address(es) associated with your customer number:
jim@ruttlerlaw.com
Please verify that these email addresses are correct.

To view your correspondence online or update your email addresses, please visit us anytime at **https://sportal.uspto.gov/secure/myportal/privatepair.** If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov or call 1-866-217-9197.

UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
12/695,373	01/28/2010	2612	0.00	ILNX-1-1001-2	20	1

CONFIRMATION NO. 7795

59520
Ruttler IP Law PLLC
One Union Square
600 University Street
Suite 1919
Seattle, WA 98101

FILING RECEIPT

OC00000040094184

Date Mailed: 02/18/2010

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)

Rodney W. Fox, Couer d'Alene, ID;

Power of Attorney: The patent practitioners associated with Customer Number 59520

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/147,948 01/28/2009
and claims benefit of 61/228,044 07/23/2009

Foreign Applications

If Required, Foreign Filing License Granted: 02/12/2010

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/695,373**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****

Title

Premises Monitoring System

Preliminary Class

340

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.

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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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 AssetsControl, 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).

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/695,373	01/28/2010	Rodney W. Fox	ILNX-1-1001-2

CONFIRMATION NO. 7795

59520
Ruttler IP Law PLLC
One Union Square
600 University Street
Suite 1919
Seattle, WA 98101

FORMALITIES LETTER

OC000000040094185

Date Mailed: 02/18/2010

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. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
  *Applicant must submit $**82** to complete the basic filing fee for a small entity.*

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- 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 $**797** 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.
- The specification and drawings submitted electronically contain the equivalent of more than 100 pages. Applicant owes $**270** for **95** pages in excess of **100** pages for a small entity in compliance with 37 CFR 1.27.

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://sportal.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.

/atesfaye/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	
	Filing Date	
	First Named Inventor	Rodney W. Fox
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ILNX-1-1001-2

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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If you wish to add additional U.S. Published Application citation information please click the Add button.						Add

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] ¡	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐
If you wish to add additional Foreign Patent Document citation information please click the Add button								Add

NON-PATENT LITERATURE DOCUMENTS			Remove
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, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	
	Filing Date	
	First Named Inventor	Rodney W. Fox
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ILNX-1-1001-2

	1	WALTER W. JONES AND RICHARD W. BUKOWSKI, "Critical Information for First Responders, Whenever and Wherever It Is Needed", National Institute of Standards and Technology - International Interflam Conference, 9th Proceedings, Volume 2, September 17-19, 2001, Gaithersburg, MD, USA	☐

If you wish to add additional non-patent literature document citation information please click the Add button Add

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	
	Filing Date	
	First Named Inventor	Rodney W. Fox
	Art Unit	
	Examiner Name	
	Attorney Docket Number	ILNX-1-1001-2

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/James J. Ruttler/	Date (YYYY-MM-DD)	2009-01-27
Name/Print	James J. Ruttler	Registration Number	56919

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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 the Freedom of Information Act requires disclosure of these record s.

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 inspections 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Rodney W. Fox Attorney Docket No. ILNX-1-1001-2

Serial No.: N/A

Filing Date: N/A

Title: PREMISES MONITORING SYSTEM

COMBINED DECLARATION AND POWER OF ATTORNEY IN PATENT APPLICATION

As the inventor of th e invention disclosed in the pate nt application entitled PREMISES MONITORING SYSTEM, I hereby declare as follows:

My post office address, residence, and citizenship is:

Rodney W. Fox
3848 E. Lookout Dr.
Coeur d'Alene, ID 83815

Residence: Coeur d'Alene, ID, USA
Citizenship: United States of America

I believe that I am the original, first and sole inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled PREMISES MONITORING SYSTEM, the specification of which is atta ched to this declaration. This application claims the benefit of U.S. provisional patent application serial number 61/147,948 filed January 28, 2009 (our ref. ILNX-1-1001) and U.S. provisional patent application serial number 61/228, 044 filed July 23, 2009 (our ref. ILNX-1-1001-1).

I have reviewed and understand the contents of the above-identified patent application, including the claims.

Customer Number
59,520

Ruttler IP Law PLLC
One Union Square
600 University St. Ste. 1919
Seattle, Washington 98101
206.838.6400
www.ruttlerlaw.com

I acknowledge the duty to disclose information, which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby appoint the attorneys and agents assigned to Customer Number:

59,520

to prosecute this application and to transact all related business in the Patent and Trademark Office.

Direct all communications to **James J. Ruttler** at the address:

Ruttler IP Law PLLC
One Union Square
600 University St Ste 1919
Seattle, WA 98101

I hereby further 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.

January 22, 2010
Date

Rodney W. Fox

Customer Number
59,520

ILNX-1-1601-2

Ruttler IP Law PLLC
One Union Square
600 University St. Ste. 1919
Seattle, Washington 98101
206.838.6400
www.ruttlerlaw.com

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	PREMISES MONITORING SYSTEM
First Named Inventor/Applicant Name:	Rodney W. Fox
Filer:	James Jeffry Ruttler
Attorney Docket Number:	ILNX-1-1001-2

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
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:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**462**

Electronic Acknowledgement Receipt

EFS ID:	6895325
Application Number:	12695373
International Application Number:	
Confirmation Number:	7795
Title of Invention:	PREMISES MONITORING SYSTEM
First Named Inventor/Applicant Name:	Rodney W. Fox
Customer Number:	59520
Filer:	James Jeffry Ruttler
Filer Authorized By:	
Attorney Docket Number:	ILNX-1-1001-2
Receipt Date:	28-JAN-2010
Filing Date:	
Time Stamp:	13:42:37
Application Type:	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	Drawings-only black and white line drawings	ILNX-1-1001-2Figures.pdf	233953 2ce9362900e220dca300e2c6d8325aed465fe216	no	10
Warnings:					
Information:					

2	Application Data Sheet	ILNX-1-1001-2ADS.pdf	1351197 7557f67dfb16f7cc87b908b0af2726790e78e43c	no	4
Warnings:					
Information:					
3	Appendix to the Specification	ILNX-1-1001-2RAppendixA1.pdf	13426090 687ab0fee1ec37060374da072833eedf33978d90	no	42
Warnings:					
Information:					
4	Appendix to the Specification	ILNX-1-1001-2RAppendixA2.pdf	13893159 dbaab65cb00b90012a13bb47214a6b96b49649b4	no	34
Warnings:					
Information:					
5	Appendix to the Specification	ILNX-1-1001-2RAppendixA3.pdf	21659650 a24327cb64e0383e524a5880e08217aa63735edb	no	137
Warnings:					
Information:					
6		ILNX-1-1001-2AP.pdf	108083 7c0388c097ecd06d1b601961dd7048a81065540b	yes	37

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	31
Claims	32	36
Abstract	37	37

Warnings:					
Information:					
7	Information Disclosure Statement (IDS) Filed (SB/08)	ILNX-1-1001-2IDS.pdf	759994 07da9ee29ac8bea3802004a21a1587bf3db28904	no	4
Warnings:					
Information:					

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8	NPL Documents	ILNX-1-1001-2PA1.pdf	191695 b6d6370c47ede7f6a283a2ba2044c6ab2806f4a9	no	12
Warnings:					
Information:					
9	Oath or Declaration filed	ILNX-1-1001-2Oath.pdf	259446 f00a6d72c82ff877e94d38b87bc2164d2bbf19ce	no	2
Warnings:					
Information:					
10	Fee Worksheet (PTO-875)	fee-info.pdf	32765 af03c4fa10460ff669eab249bb7b06eefadf13ef	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	51916032	

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.

<u>New Applications Under 35 U.S.C. 111</u>
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.

<u>National Stage of an International Application under 35 U.S.C. 371</u>
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.

<u>New International Application Filed with the USPTO as a Receiving Office</u>
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.

FIGURE 1

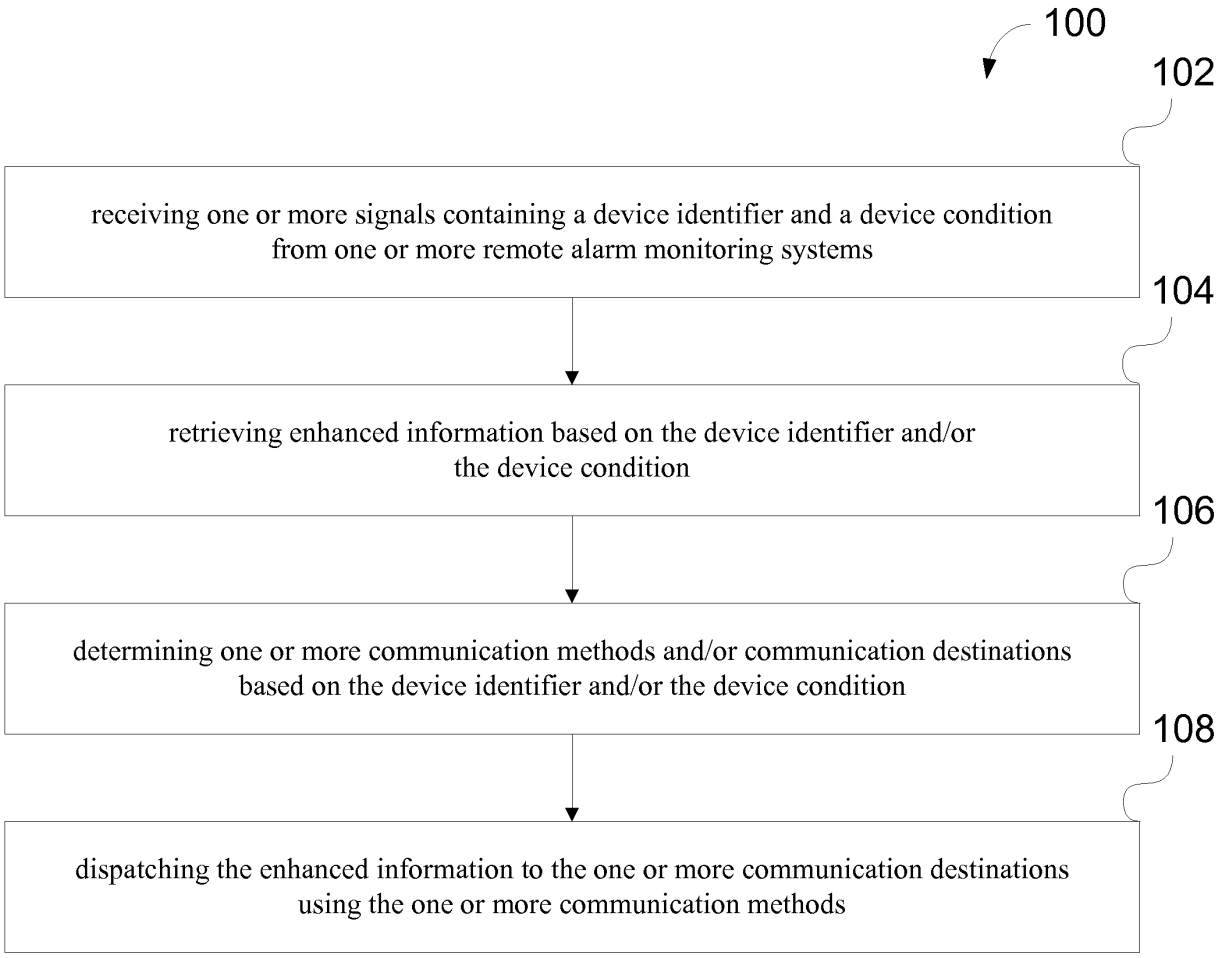

100
102
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
104
retrieving enhanced information based on the device identifier and/or the device condition
106
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
108
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

FIGURE 2

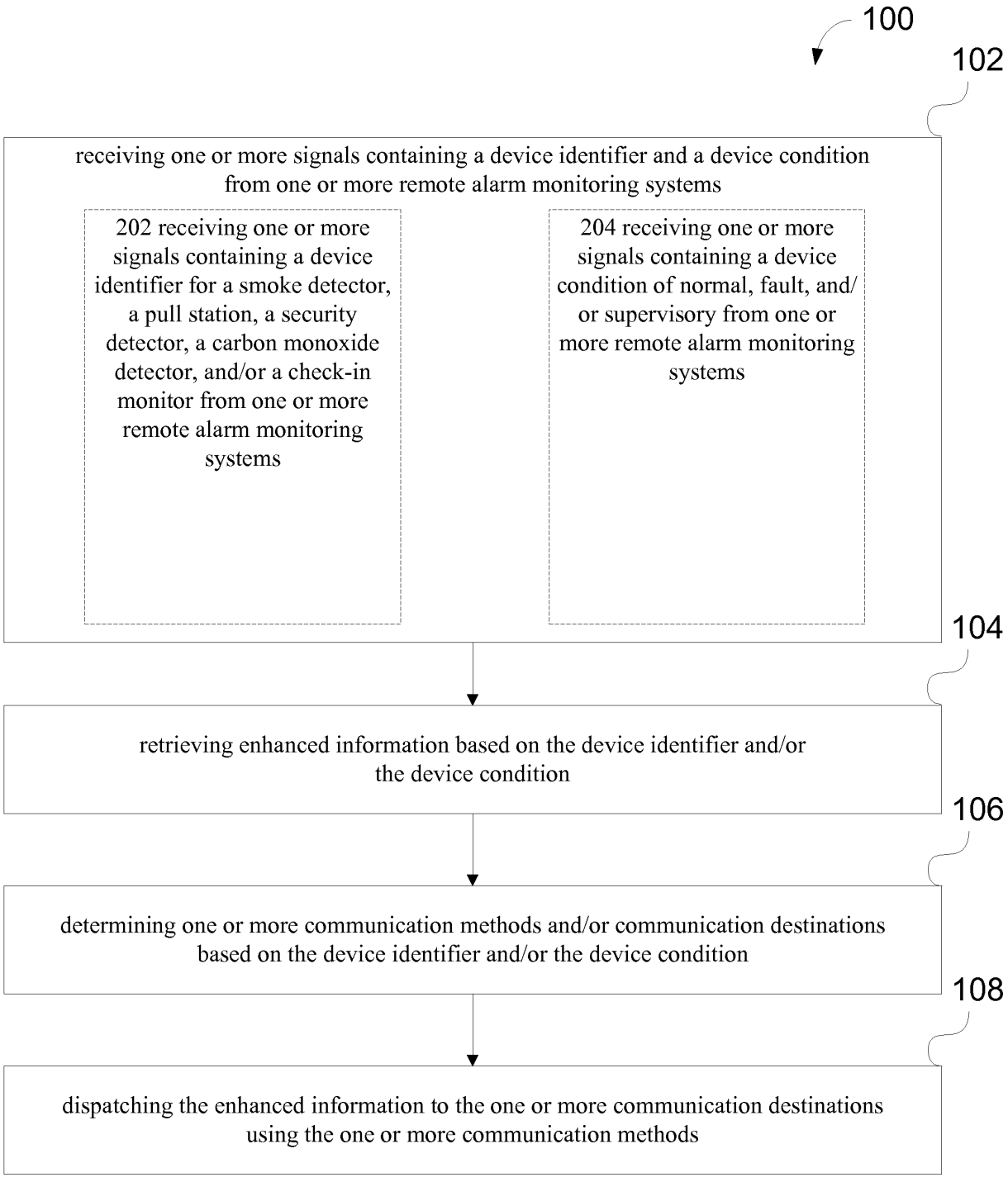

100
102
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
202 receiving one or more signals containing a device identifier for a smoke detector, a pull station, a security detector, a carbon monoxide detector, and/or a check-in monitor from one or more remote alarm monitoring systems
204 receiving one or more signals containing a device condition of normal, fault, and/or supervisory from one or more remote alarm monitoring systems
104
retrieving enhanced information based on the device identifier and/or the device condition
106
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
108
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

FIGURE 3

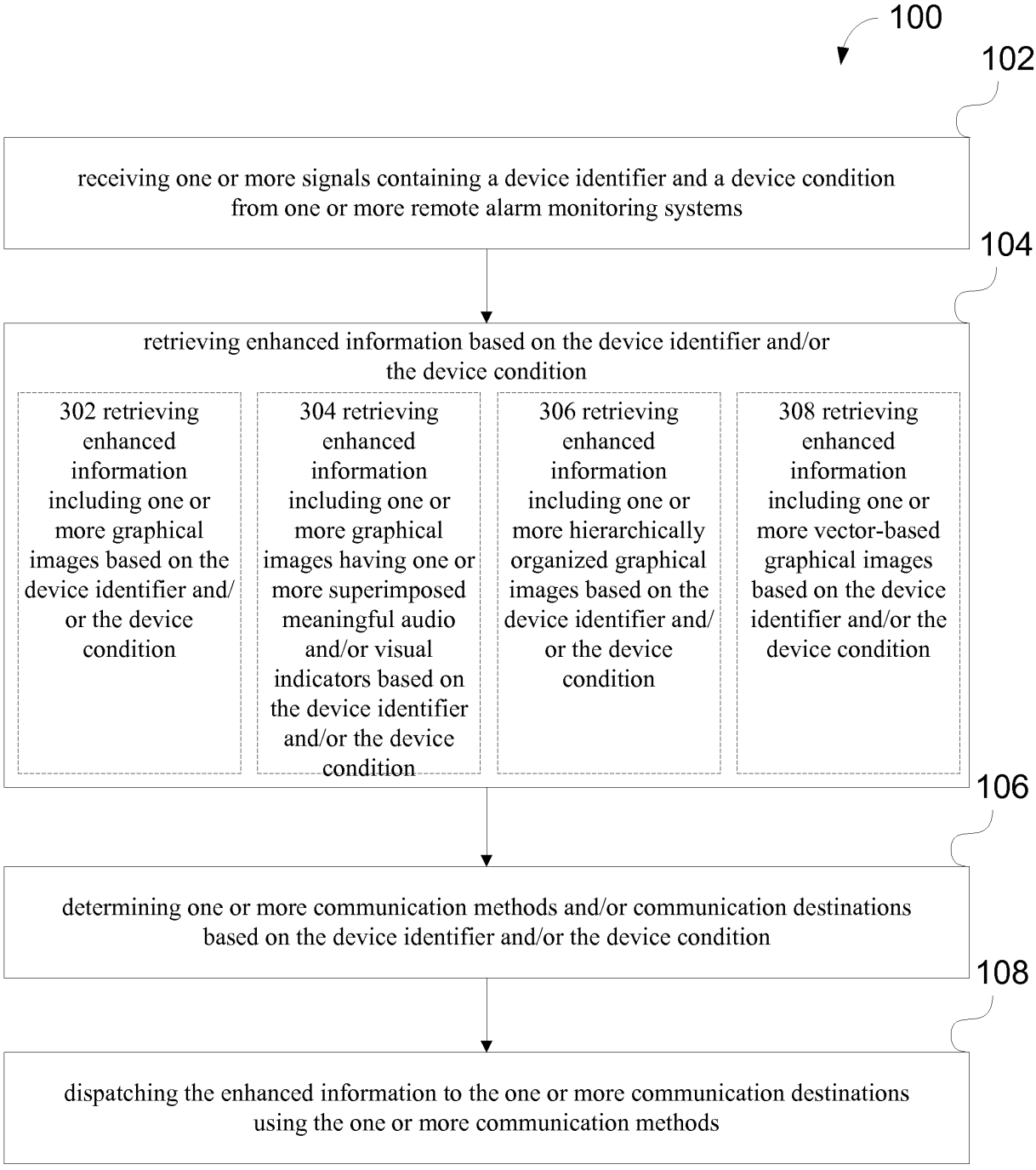

100
102
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
104
retrieving enhanced information based on the device identifier and/or the device condition
302 retrieving enhanced information including one or more graphical images based on the device identifier and/or the device condition
304 retrieving enhanced information including one or more graphical images having one or more superimposed meaningful audio and/or visual indicators based on the device identifier and/or the device condition
306 retrieving enhanced information including one or more hierarchically organized graphical images based on the device identifier and/or the device condition
308 retrieving enhanced information including one or more vector-based graphical images based on the device identifier and/or the device condition
106
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
108
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

FIGURE 4

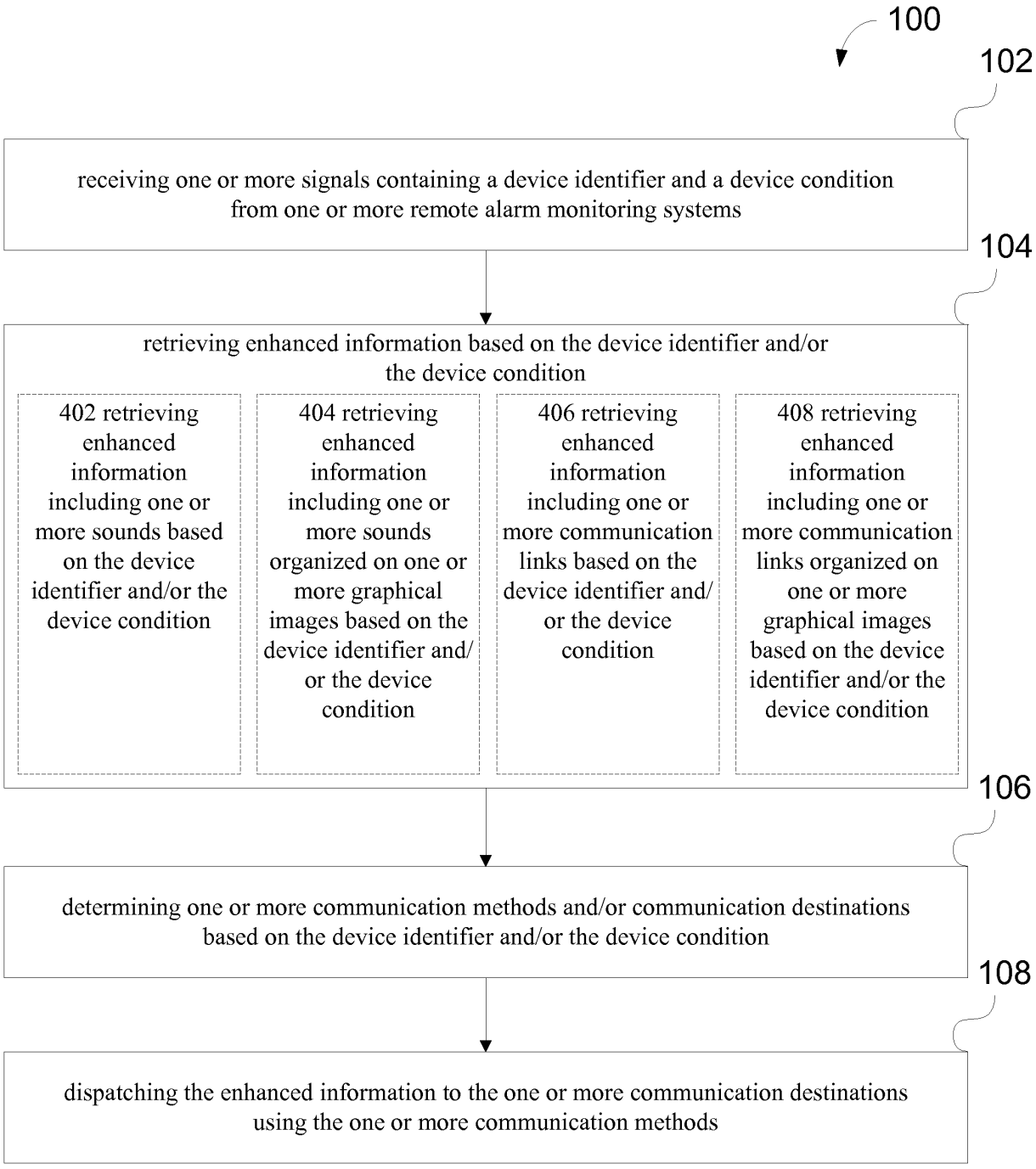

100
102
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
104
retrieving enhanced information based on the device identifier and/or the device condition
402 retrieving enhanced information including one or more sounds based on the device identifier and/or the device condition
404 retrieving enhanced information including one or more sounds organized on one or more graphical images based on the device identifier and/or the device condition
406 retrieving enhanced information including one or more communication links based on the device identifier and/or the device condition
408 retrieving enhanced information including one or more communication links organized on one or more graphical images based on the device identifier and/or the device condition
106
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
108
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

FIGURE 5

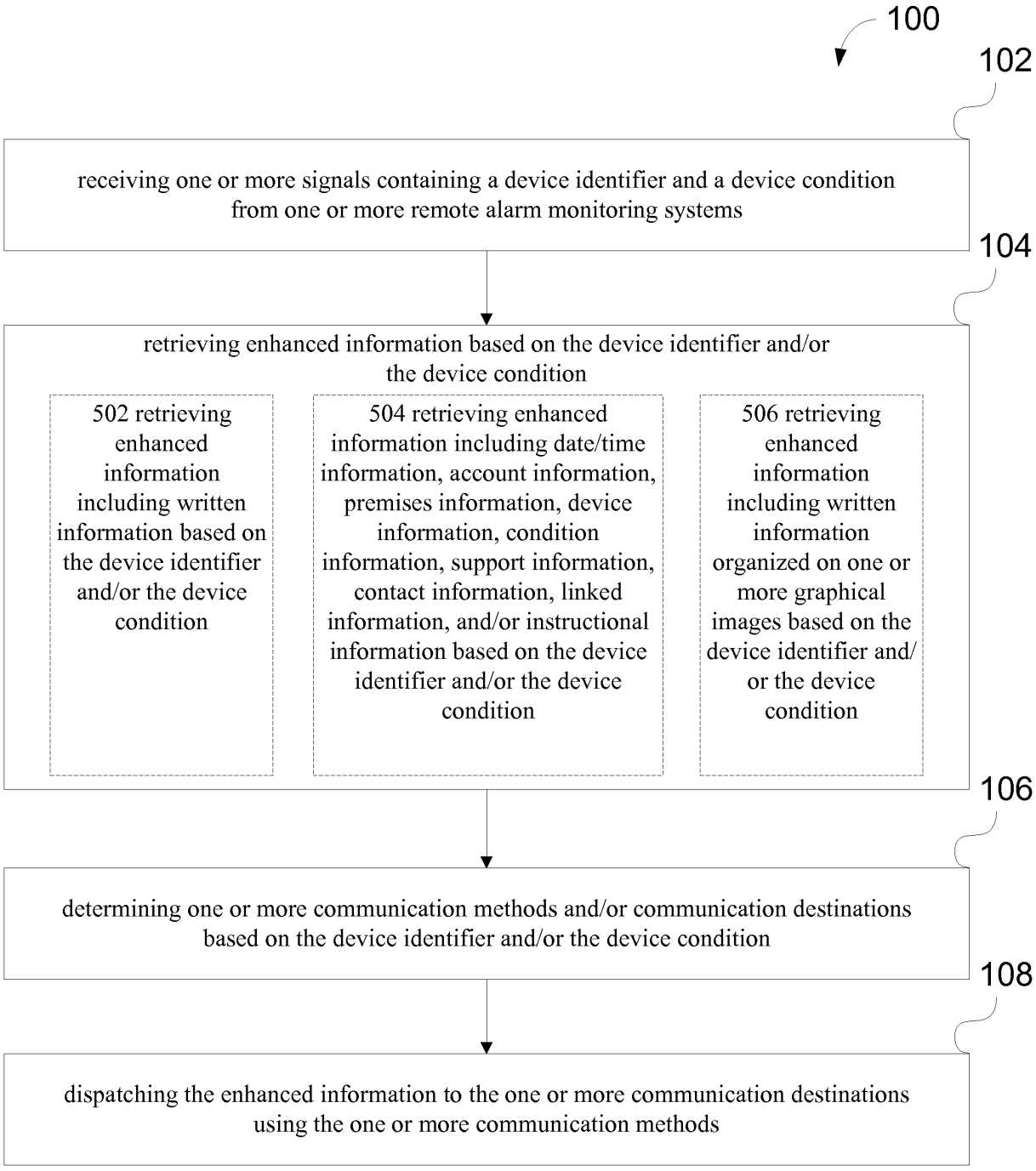

100
102
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
104
retrieving enhanced information based on the device identifier and/or the device condition
502 retrieving enhanced information including written information based on the device identifier and/or the device condition
504 retrieving enhanced information including date/time information, account information, premises information, device information, condition information, support information, contact information, linked information, and/or instructional information based on the device identifier and/or the device condition
506 retrieving enhanced information including written information organized on one or more graphical images based on the device identifier and/or the device condition
106
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
108
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

FIGURE 6

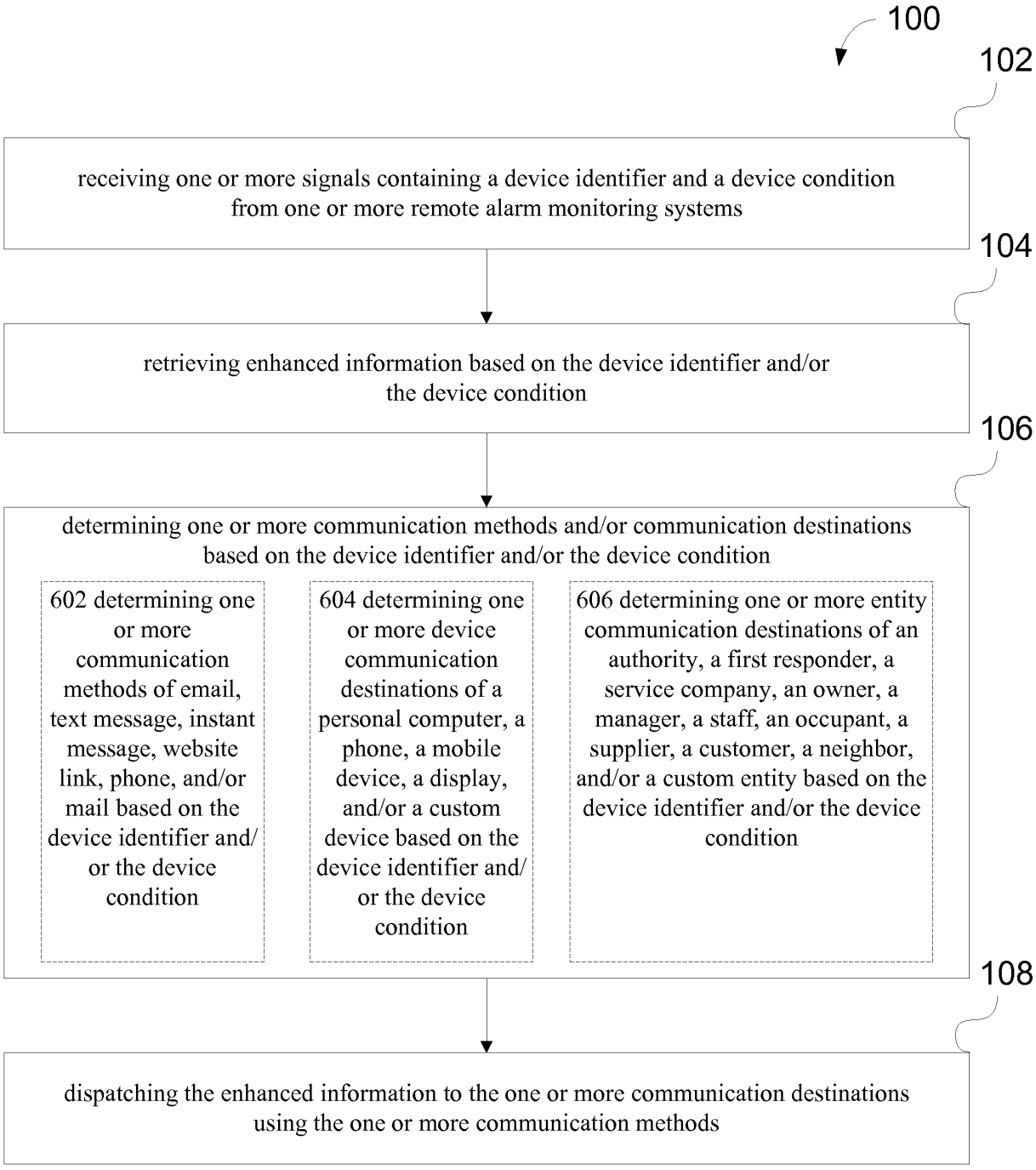

100
102
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
104
retrieving enhanced information based on the device identifier and/or the device condition
106
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
602 determining one or more communication methods of email, text message, instant message, website link, phone, and/or mail based on the device identifier and/or the device condition
604 determining one or more device communication destinations of a personal computer, a phone, a mobile device, a display, and/or a custom device based on the device identifier and/or the device condition
606 determining one or more entity communication destinations of an authority, a first responder, a service company, an owner, a manager, a staff, an occupant, a supplier, a customer, a neighbor, and/or a custom entity based on the device identifier and/or the device condition
108
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

FIGURE 7

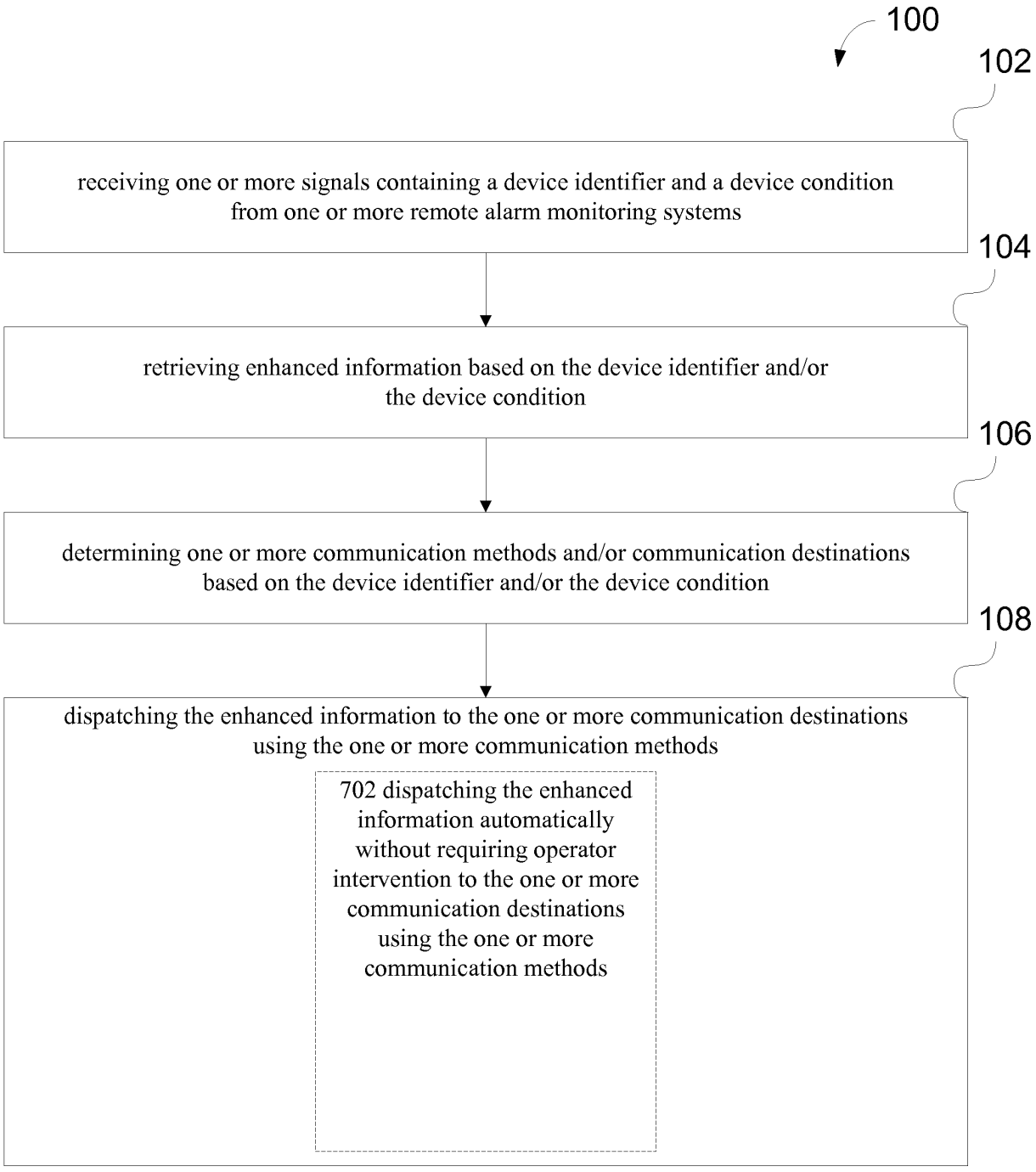

100
102
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
104
retrieving enhanced information based on the device identifier and/or the device condition
106
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
108
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods
702 dispatching the enhanced information automatically without requiring operator intervention to the one or more communication destinations using the one or more communication methods

FIGURE 8

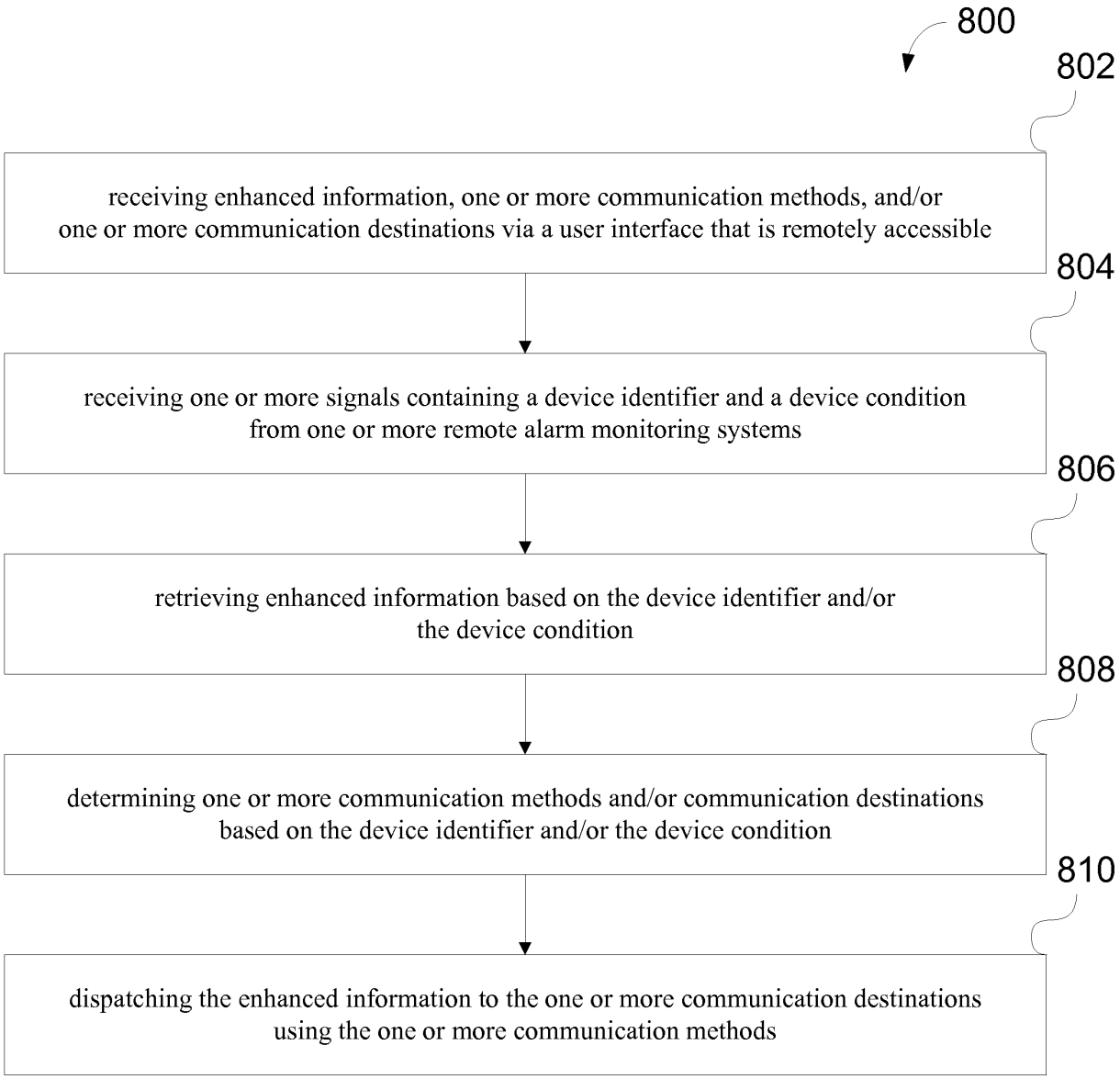

800
802
receiving enhanced information, one or more communication methods, and/or one or more communication destinations via a user interface that is remotely accessible
804
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
806
retrieving enhanced information based on the device identifier and/or the device condition
808
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
810
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

FIGURE 9

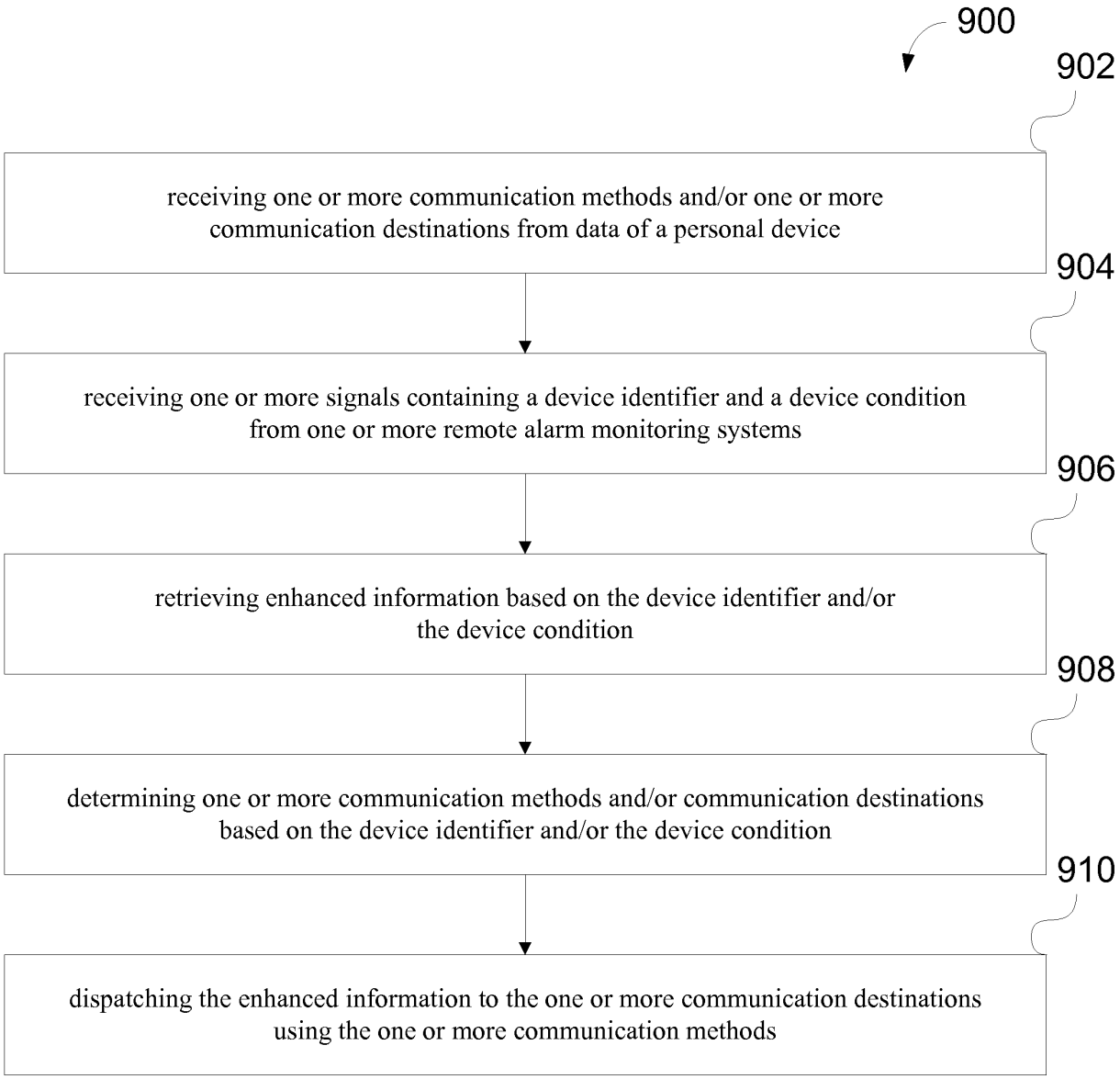
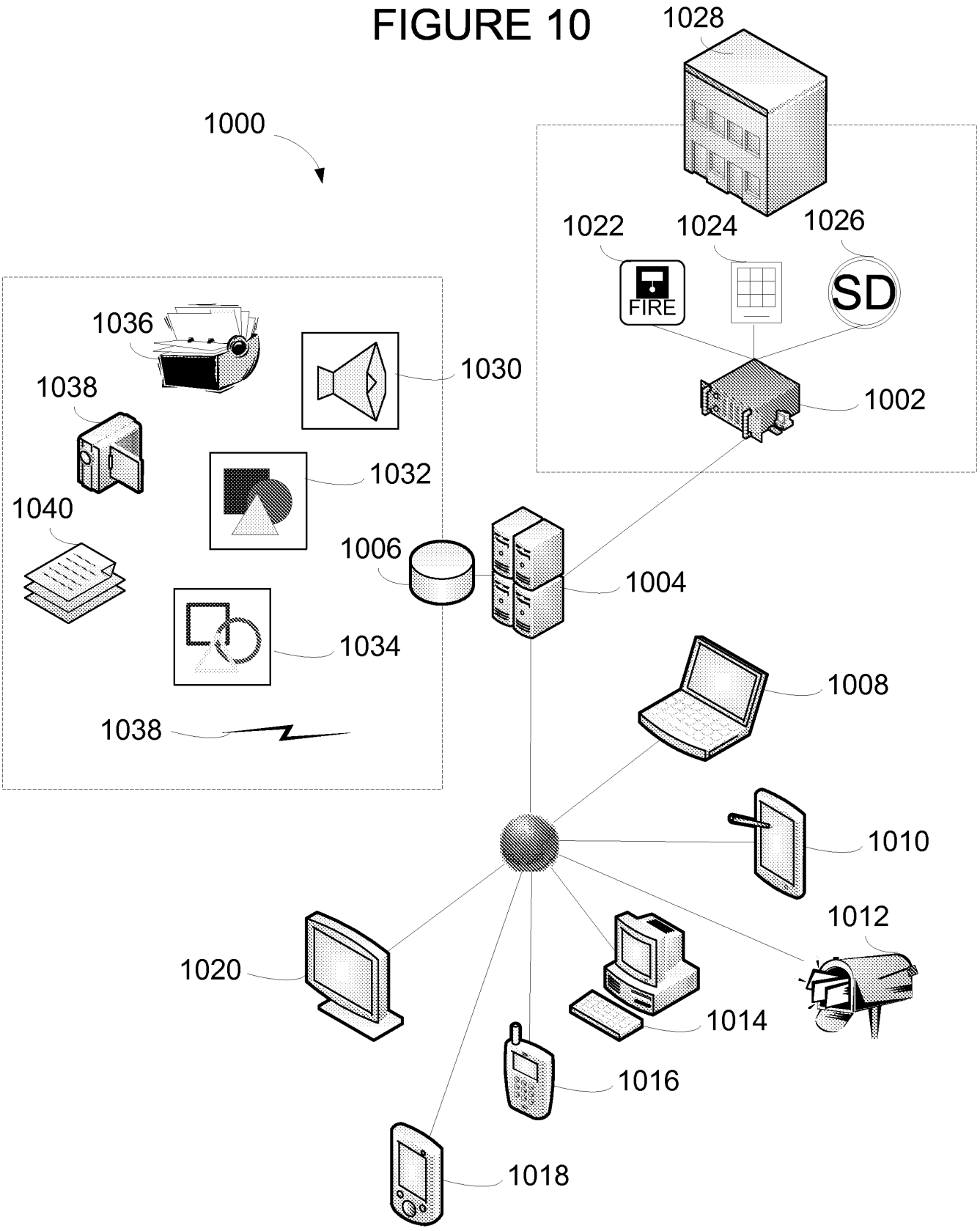

900
902
receiving one or more communication methods and/or one or more communication destinations from data of a personal device
904
receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems
906
retrieving enhanced information based on the device identifier and/or the device condition
908
determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition
910
dispatching the enhanced information to the one or more communication destinations using the one or more communication methods

FIGURE 10


1028
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FIRE
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1010
1012
1020
1014
1016
1018

PTO/SB/14 (07-07)
Approved for use through 06/30/2010. OMB 0651-0032
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ILNX-1-1001-2
	Application Number	
Title of Invention	Premises Monitoring 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:

Applicant 1 Remove

Applicant Authority ◉ Inventor ○ Legal Representative under 35 U.S.C. 117 ○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Rodney	W	Fox	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Couer d'Alene	State/Province	ID	Country of Residence [i]	US

Citizenship under 37 CFR 1.41(b) [i]: US

Mailing Address of Applicant:

Address 1	3848 E. Lookout Dr.		
Address 2			
City	Couer d'Alene	State/Province	ID
Postal Code	83815	Country [i]	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	59520		
Email Address	jim@ruttlerlaw.com	Add Email	Remove Email

Application Information:

Title of the Invention	Premises Monitoring System		
Attorney Docket Number	ILNX-1-1001-2	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

PTO/SB/14 (07-07)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ILNX-1-1001-2
	Application Number	
Title of Invention	Premises Monitoring 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	59520		

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		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	non provisional of	61147948	2009-01-28
Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	non provisional of	61228044	2009-07-23

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

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).

Remove

Application Number	Country [i]	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			◉ Yes ○ No

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	ILNX-1-1001-2
	Application Number	
Title of Invention	Premises Monitoring System	

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 Remove

If the Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information:

Address 1			
Address 2			
City		**State/Province**	
Country [i]		Postal Code	
Phone Number		Fax Number	
Email Address			

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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	/James J. Ruttler/			Date (YYYY-MM-DD)	2010-01-27
First Name	James	Last Name	Ruttler	Registration Number	56919

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.**

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 the Freedom of Information Act requires disclosure of these records.

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 inspections 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.

APPENDIX A

PART I

Use your existing network connection and unleash the power to display critical information as it occurs, in real time with just a few simple clicks.

IDEAL FOR AUTHORITIES, MANAGEMENT AND OTHER FIRST RESPONDERS

FIRE/SECUTITY ALARMS

MASS NOTIFICATION SIGNALSHAZARDOUS MATERIAL STORAGE

UTILITY DISCONNECT LOCATIONS

AUTOMATIC EMAIL NOTIFICATION

CELLULAR TEXT MESSAGES

COLORGRAPHIC FLOOR PLANS

PHOTOGRAPHIC IMAGE DISPLAYS

Receive critical information sooner and in greater detail than conventional dispatch...

iLinkx pinpoints the exact device in alarm, automatically dispatching text messages, emails and color graphic images as easily opened pdf attachments, all while automatically archiving the critical data for future reference should it ever become necessary.

iLinkx dramatically reduces response time by providing earlier notification to those first responders needing critical information.

iLinkx pinpoints the exact device in alarm, automatically dispatching text messages, emails and colorgraphic images as simple pdf attachments, all while automatically archiving the critical data for future reference should it ever become necessary.

Receiving industry proven "Contact ID" signals, iLinkx offers a substantial increase in the lifespan and usefulness of your existing equipment investment. Sites that currently have Digital Alarm Communicator Transmitters (DACT's) which report to monitoring services can easily enhance notification with a few minor programming modifications. Operating in an ancillary capacity, in accordance with National Fire Protection Association (NFPA) standards, iLinkx processes information without disruption to the current dispatch procedures of your existing monitoring service.

Interfacing is easy! There are no special hardware or expensive component requirements, nor are there any hidden procedures. Simply suscribe and receive your iLinkx account information, then enable your DACT/s second account (a rarely used feature of existing UL Listed equipment) to also report information to iLinkx and you unleash the power of your internet network.

Experience the benefits of enhanced notification now, placing critical information into the hands of first responders, management, and staff, including those agencies with a need to know.

By connecting to iLinkx you receive critical information in just a few seconds after the signal has been processed. Emails are automatically generated, without any operator intervention, in a standard text format, with such information as

EXAMPLE: Building Location

Room Description

GPS Coordinate

Device Type (Smoke Det. Pull Station, ect.)

Device Condition (Alarm or Supervisory)

Or any other critical information necessary for first responders or thoses with a need to know.

In addition to the text messages, a colorgraphic floor plan reflecting the exact device location is automatically generated, without any operator intervention in an easy to read .pdf attachment. iLinkx colorgraphic images are of the highest quality, with little or no distortion when magnified and can be easily printed, forwarded or stored by the reciepient/s for future reference as needed.

In the past, the creation of high quality colorgraphics required vast amounts of computer file storage space. iLinkx has perfected the process with its patent pending technology that minimizes the actual file size while maintaining the colorgraphic integrity. This allows enhanced notification, in a much shorter time period than conventional technology with a significant reduction in response time.

Additionally, the creation of high quality colorgraphics required very long, computer screen, build times. Again, the patent pending technology further enhanced notification by pinpointing the specific problem area, reflecting the condition on a colorgraphic image that could be printed, forwarded or archived for future reference in as little as a few seconds.

Colorgraphic floor plans, images and layouts that would only work on certain computing equipment are a thing of the past. Imagine, with iLinkx you can unleash the power of your internet network and receive tommorrow's technology, today in an open protocol, non-propritory, ordanary format. Critical information, automatically generated and dispatched, in a regular email with a common .pdf attachment and no proprietory hardware. Imagine that!

Applications Worldwide

Unleash the power of the internet when every second counts.

iLinkx software services allow small and intermediate size clients an opportunity to suscribe to enhanced notification as a service without the need of making large equipment expenditures.

iLinkx software products allow larger clients an opportunity to purchase the technology of enhanced notification outright, including all technical support and expertise needed to expand an existing system or the purchase and capital investment of a new one.

Applications

Residential

Commerical

Industrial

Milling/Mining

Manufacturing/Treatment

Chemical Plants

Institutional Facilities

Public Buildings

Military Sites

High Rises

Campus Complex's

Hotels/Conference Centers

Health Care

Airports

Marine

Clean Room Fabrication

Place of Worship

Train/Subway Stations

Amusement Parks

Resorts

Golf Courses

Fish Hatcheries

Agriculture

iLinkx receives industry proven "Contact ID" signals. For new and existing installations, this offers a substantial increase in the lifespan and usefulness of your equipment investment. Sites that have Digital Alarm Communicator Transmitters (DACT's) which report to monitoring services can easily enhance notification with a few minor programming modifications. Operating in an ancillary capacity, in accordance with National Fire Protection Association (NFPA) standards, iLinkx also receives alarm signals, independently processes the information and automatically dispatches without disruption to the current dispatch procedures of your existing monitoring service.

Interfacing is easy! There are no special hardware or expensive component requirements, nor are there any hidden cost or procedures. Simply go to our "Services" tab and suscribe to iLinkx service. Upon activation, you will receive iLinkx account information allowing you to enable your DACT/s alternate account feature (a rarely used option of existing UL Listed equipment) to also report information to iLinkx. You will then begin to unleash the power of your internet network placing critical information into the hands of first responders, management, and staff, including those agencies with a need to know.

Experience tomorrow's technology today with the automatic dispatch of text messages, emails and colorgraphic images. Avoid the high capital expenditure of additional computing stations, software, licensing and the associated labor of staffing such an operation. Enhance your notifications and reduce your response times, while minimizing the cost of operations, training and maintenance.

iLinkx receives industry proven "Contact ID" signals but for larger systems, iLinkx will receive all industry standard transmission protocols including wireless and (IP) internet based signals. For new and existing installations, this offers a substantial increase in the lifespan and usefulness of your equipment investment. Both existing and new sites can easily enhance notification with a few minor programming modifications in the field. iLinkx operates in an ancillary capacity, to any existing or new receiving equipment, in accordance with National Fire Protection Association (NFPA) standards. iLinkx independently processes the information and automatically dispatches without disruption to the current dispatch procedures of your existing receiving equipment or monitoring service.

Interfacing is easy! There are no special hardware or expensive component requirements, nor are there any hidden procedures. Simply go to our "Services" tab and request a proposal for iLinkx as a product. A team of experts will be assigned to promptly assist you and explain how you can

unleash the power of your internet network and place critical information into the hands of first responders, management, and staff, including those agencies with a need to know.

Experience tomorrow's technology today with enhanced notification and the automatic dispatch of text messages, emails and colorgraphic images in addition to the industry standard conventional receiving information. We provide complete NICET Level IV and/or Professional Engineered (PE) services. Whether you need assistance with project concepts, management, or safety coordination, our quality control team will help select the best products and services for your application needs.

Avoid the pitfalls and costly expense of proprietory specifications which only drive up cost and result in expensive sole source equipment procurements. Our professionals will introduce you to the concept of open architecture, open protocol, and non-propritory equipment, using readly available, standard, off-the-shelf products. They specialize in helping select from the latest technology of headend receiving equipment, console racks, software, panels, and field devices. This allows for a more effecient and competitive approach to equipment design, engineering, purchase, installation, testing, training, certification and warranty. All services provided by our experienced and trained professionals. The service doesn't stop there though, they will assist in the ongoing maintenance and contract support services needed to protect your investment and maintain the highest level of service available to ensure you receive maxium performance during the entire lifecycle of your investment. Allow us to enhance your notification and to reduce response time when those critical seconds determine safety over disaster.

Text messages provide rapid notification, typically within 45 seconds from occurance and display critical information for those needing to know.

Blackberry Devices expand the enhanced notification platform to include an emailed .pdf attachment in full color reflecting the exact location of the incident.

Personal Computers expand the enhanced notification platform even further, allowing greater viewing oppertunities, printing and archiving information for future reference.

Agency Dispatch Centers get the information into the hands of first responders, during precious moments that destinguish safety from disaster.

Cellular Text

Frequently asked questions

Q: Can iLinkx text message my cell phone, and if so, how?

A: Cell phone text messaging, or "SMS" text messaging, is not the same as instant messaging on your computer. They're two very different systems. That doesn't mean all is lost, however. There

are some things that iLinkx can do very well. How much depends mostly on the cellular provider, and the type of phone you have.

SMS Text Messaging, SMS stands for Short Message Service, and is designed specifically for cell phones. iLinkx can usually send an SMS message to a cell phone via email. Most of the cell phone providers have a special email address or domain that you can send a message to, which then gets forwarded as a text message to the cell phone. For example with Verizon in the U.S., you can email ##########@vtext.com, where "##########" is replaced with the 10 digit cellular number, and that message will get sent as a text message to that phone. Other carriers typically have some type of equivalent and/or a web page from which you can send a text message to one of their phones.

Important: remember that this is a Short message service ... usually only up to a certain number of characters of your message will be sent. Some providers will simply truncate your message if it's too long, others will break it up into multiple messages. Others might well discard the message. Check with the provider in question.

In addition, to the iLinkx received message, one can also forward the message via SMS on a phone to an email address. In all cases, remember that this is email based, and that response times may vary somewhat, depending on the carrier.

Blackberry Devices

Instant Messaging:

Q: Can iLinkx text message my Blackberry device, and if so, how?

A: Through IM services, like AOL's AIM, MSN's Instant Messenger and others, all are designed for what is called "computer to computer" services. They all assume that you have a computer of some sort. Many Blackberry devices these days pretty much are computers and run things like the Palm operating system, or a version of Windows that allows the receipt of emails and attachments in a somewhat limited or abreviated form.

Because so many Blackberry devices have internet capability, it only stands to reason that iLinkx would find instant messaging and email notifications a useful tool for enhancing notification on Blackberry devices. In somecases, using an unlimited data access plan one is able to run the Mundu IM instant messaging client and chat using MSN Instant Messenger account, or an AOL Instant Messenger account. The only caveat here is that you must have an internet capable Blackberry device and have signed up for an internet data plan of some sort.

Q: Can iLinkx send an actual colorgraph image to my Blackberry device, and if so, how?

A: Yes. ilinkx automatically generates a colorgraphic image, immediately after receiving a signal, reflecting your floorplan, site location or whatever image you have provided us with. On

that image, a bold rectangle is placed around the specific device, sending the signal as well as a text description is automatically placed at the top edit line of the image. The image is then processed and transmitted to you as an easily opened .pdf attachment and sent to you via email in a matter of just a couple of seconds, not minutes, that the industry has found acceptable in the past.

Q: How large is a typical iLinkx .pdf attachment?

A: That obviously depends on the image and information being displayed however, it has been our experience that a 20,000 square foot floor plan with 50 devices located on it, will yield approximately a 250-300k .pdf file in approximately 2 seconds. (This is approximately 2% - 3% of what a typical email mailbox will receive) The iLinkx process is what is key to this reduced file size and processing time. The benefits become enormous in internet transmission speed, computer screen build times, printing and overall computer management.

Personal Computers

Personal Computers continue to play a larger and larger role, not only in our lives but in the way we are conducting our communications. As technology has improved, monitor displays have also improved. This is where iLinkx really stands out in performance. The methods used by iLinkx in processing signal information, recording it, and automatically dispatching it, in a managable form is what sets us apart.

The clarity of graphics are unsurpassed and non distorting, even when significantly zoomed in or magnified. This allows much larger colorgraphics images to be transmitted, in a much smaller packets, thus minimizing transmission time, computer screen build times yet provides easily opened attachments, using open protocol, non-proprietary, open architecture .pdf software.

In addition to viewing, messages and attachments are easily printed, in color, archived and even forwarded and made available to others automatically or manually, again using open protocol, non-proprietary, open architecture software, readly supporting mass notification and signalling systems.

Typically, the colorgraphic images are much better displayed on desktop monitors or even laptops because of the improved resolutions that the monitor displays now have. Using standard, open protocol reader programs such as Adobe or other .pdf based readers, one can easily arrange zooming, printing, saving, and eving editing features for easy use.

Agency Dispatch Centers

The iLinkx Enhanced Notification Systems is ideal for new or existing Dispatch Centers. Using open market protocols, standard off the shelf hardware and proven application software modules, the iLinkx system operates in an ancilliary capacity to existing or new receiving equipment. The system is fully automated and processes all information independently and

automatically to produce the desired dispatch resulting from a signal or signals received, without any operator intervention whatsoever. The following is a description of how the integraded software modules operate.

iTranslate:

The itranslate software module is a continuously running program utilizing a windows based platform, operating in a minimized state to avoid impeding the background of any currently displayed windows. It is password protected and cannot be closed or shutdown by unauthorized personnel. A backup version is fully integrated, in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the translation module automatically restarts and reloads into the resident operating system without any operator intervention.

iMonitor:

The iMonitor software module contains the setup information to control all activity logging. Additionally, it records a date and time stamp of all signals processed and the post-translated condition of the signal. The information is permanently recorded for historical data retrieval at a later date through the use of the iReport software module. The iMonitor software module determines and controls the overall number of authorized notification points of the Ancillary Notification System by the use of an internal software authorization key. The iMonitor software module is a continuously running program utilizing the windows platform and is minimized to avoid impeding the background of any currently displayed windows. It is password protected and cannot be closed or shutdown by unauthorized personnel. A backup version is fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iMonitor software module automatically restarts and reloads into the resident operating system without any operator intervention.

iWatch:

The iWatch software module contains all of the dynamic activation of text and graphic information to be dispatched to the designated recipient's device/s. The designated recipient devices may include, but not be limited to Blackberry's, Cell Phones, e-mail, Fax Machines, Laptop Computers, Desktop computers, Servers and Pagers.

Upon receipt of a signal, the iWatch software module begins an automatic processing sequence of the graphic information to be dispatched. The information is automatically and electronically generated in a Portable Document Format (.pdf) and stored for retrieval by authorized operators. iArchive software folders are automatically created for each facility account to archive the .pdf files by event and the date and time that they were received and processed. Each iArchive file is individually identified by the respective facility number and contains the exact date and time to the second of the actived event. The .pdf file is available to be access through common windows

programs for viewing and file maintenance requirements. It shall be possible for an authorized operator to view all devices by the simple click of the PC Mouse button contained on the Watch software display screen. Special maintenance alerts, historical data or any text information can be separately stored for each device, by authorized operator reference. The iWatch software module is a continuously running program utilizing the windows platform and sis minimized to avoid impeding the background of any currently displayed windows. It is password protected and cannot be closed or shutdown by unauthorized personnel. A backup version is fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iWatch software module automatically restarts and reloads into the resident operating system without any operator intervention.

iDispatch:

The idispatch software module controls all outbound email and text messages to be dispatch to the designated recipient's device/s. The device/s may include but not be limited to Laptop Computers, Desktop Computers, Servers, or any internet email addresses, Cellular Telephones, or Blackberry device/s. The iDispatch software module continually monitors all outbound file messages and upon receipt, dispatches the designated information. The information is be dispatched in the form of text message/s, .wav file/s, graphical image/s, internet link, hyperlinks, and/or any pre-generated .pdf document/s. The iDispatch software module dispatchs all formats or any combination thereof in a single dispatch in a manner that allows cascade notification of unlimited recipients. Graphical images are dynamic in their operation allowing the recipient/s to zoom in or out of the image with no loss or degradation of the image/s. All signals are automatically dispatched, without any operator intervention in under, a total elapsed time of 75 seconds, from start to finish. The time shall be measured from when the actual field device (Smoke Detector, Pull Station, Water Flow, etc.) is activated to when a designated recipient receives the signal. All text message/s, .wav file/s, graphical image/s, internet links, hyperlinks, and/or any pre-generated .pdf document/s are device specific and not general in content. The specific location and all critical information shall be contained with each device dispatch. All graphic images are transmitted in .pdf format, and in color, reflecting the device in alarm in red, or device in trouble in yellow. All devices are reflected on the graphic image however only the abnormal device will be reflected in the designated color based on its condition. A quick locate feature (Bold Rectangle) shall be automatically generated and provided to draw additional attention to the abnormal device, even in a zoomed out condition. It shall be possible to zoom the image from 1% to 6,600% power or magnification. An Dispatch log file is automatically created each and every time a dispatch is made. The Dispatch log file is available to be accessed through common windows programs for viewing and file maintenance requirements. The iDispatch software module is a continuously running program utilizing the windows platform and is minimized to avoid impeding the background of any currently displayed windows. It is password protected and cannot be closed or shutdown by unauthorized personnel. A backup version is fully integrated in the event that a recovery operation from a catastrophic incident becomes

necessary. In the event of a complete windows operating system reboot, the iDispatch software module automatically restarts and reloads into the resident operating system without any operator intervention.

iConfigure:

The iConfigure software module is the utility program used for the inputting the configuration of all critical information into the Ancillary Notification System. Access to the program is by use of authorized passwords. Authorized personnel must sign on using a hierarchy of authorized password levels that have been established by the Master Administrator. Once signed on, authorized personnel shall have the ability to define each and every aspect of the signal and device characteristics. The iConfigure software module has an auto learn feature which enables field devices to be automatically imported into the iConfigure Software, avoiding manual entry of the devices and the associated device descriptor information, not with-standing, in the absence thereof, providing authorized personnel the ability to manually enter the device and descriptor information as an alternitive. All Background images (Graphics) shall be programmed as sublevels of an image zone and an image group. All field devices shall be stored in a master database which shall be accessible easily from standard PC Mouse commands. Adding a device to an image consist of three simple mouse clicks to view the entire field device database followed by a simple drag and drop effort onto the respective image. When deleting or relocating a device, the device is simply removed from the image and automatically retained in the field device database for future placement. Editing a device allows authorized operators to change the specific device icon size or all of the device icon sizes contained on the image at one time without the necessity of leaving the edit command screen. After any given device or all of the field devices have been placed onto an image, it is possible to test the dynamic operation of any field device by selecting the device test option. This option allows verification of each field device alarm, supervisory, trouble and restoral functions in a virtual state or mode, as if it were an authentic change of event being received by the operating system.

iReport:

The iReport software module allows for a full history recap via a windows based, report query format structure, that can be entered by device address, type, condition, account, or date criterion and/or any combination thereof. All report results are displayed in less than 2 seconds, as a standard text file permitting easy printing in an open protocol, word merging, and/or text management arrangement. It is also possible to gather email and text message verification from the iArchive software module database for verification of email and text notification/s. A backup version of the Report log files are fully integrated, in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iReport software module automatically restarts and reloads into the resident operating system without any operator intervention.

iArchive:

The iArchive module automatically stores a permanate record of the results of all system transactions to the system archive files. The iArchive software module resides as a separate and distinct database from the history report file and, to insure survivability, is not stored on the same computing device nor at the same computing location as the main operating system. It is possible to easily review the results of any and all transactions of the system at any time without the possible loss or interruption of the main operating system. The iArchive software module automatically restarts and reloads into the resident operating system without any operator intervention.

Mission Statement:

To enhance the notification of yesterday by developing technologies today that deliver the solutions for tommorrow; Through sincere dedication, unmatched quality and unparralled service, iLinkx is committed to the success of each and every customer it serves. We understand that although our success is dependent on the inovation and level of service we provide, decisions are also based on value. Thank you to those who have chosen iLinkx among an ocean of options and alternitives.

Specifications:

iLinkx Receiving and Ancillary Notification Systems for Dispatch Centers, are also based on open market protocols using standard off the shelf hardware and proven application software programs which are comprised of two fully dynamic and integrated components. The following is a sample specification of those components:

The first component (Part 1) describes the Signal Receiving and Processing Equipment. This component allows operator intervention and defined procedures, which are executed by trained and qualified personnel to accomplish and produce the desired dispatch from the signal or signals received.

The second component (Part 2) is the dynamically integrated Ancillary Notification System which is fully automated and which processes its information independently and automatically, to produce the desired dispatch resulting from the signal or signals received, without any operator intervention whatsoever. Systems that do not demonstrate full dynamic integration, in compliance with the requirements of these specifications are considered substandard and unacceptable and will be rejected.

SIGNAL RECIEVING COMPONENT (PART 1)

LISTINGS AND APPROVALS

The system shall be listed by Underwriters Laboratory under Standards 864 (Control Units for Fire-Protective Signaling Systems), 365 (Police Station Connected Burglar-Alarm Units and Systems), 609 (Local Burglar Alarm Systems and Units),827 (Central Station Alarm Services – AA High Line), 681 (burglar and Hold up Systems), 2050 (National Industrial Security Systems for Protection of Classified Materials),1076 (Proprietary Burglary-Alarm Units and Systems), and 1610 (Central Station Burglar Alarm Units), . The system shall be UL Listed as a CENTRAL and REMOTE SUPERVISING STATION FIRE ALARM SYSTEM per NFPA 72 and as a PROPRIETARY SUPERVISING STATION FIRE ALARM SYSTEM when monitoring inputs other than DACTs. The UL Listing card shall show a (p) for proprietary Fire Alarm (Receiving Unit) under UL 864 category UOJZ.

Each processor controlled system module shall include an independent audible trouble signal (watchdog circuit) to indicate microprocessor malfunction. This is referred to as a "Supervised" configuration and is a requirement of the system operation.

Bidders shall provide UL documentation, accurate statements regarding all dimensions, detailed installation drawings, input power requirements, wiring requirements, and all other specifications required to make a complete evaluation of the system being proposed.

The system shall operate reliably in any environment comfortable to the human operator and shall have no special ventilation requirements.

Any variation from these specification requirements shall include a full explanation of all deviations or exceptions taken from the requirements contained within this document on a paragraph by paragraph basis. Bids or proposals that fail to address each paragraph and meet the minimum requirements specified herein shall be deemed non-responsive and will be rejected.

The Bidder shall be an authorized factory representative for the manufacturer of the equipment and all application software programs specified.

All equipment and application software shall be fully warranted against defects in both materials and workmanship for one year from the date of delivery.

The system shall be configured with the capability of monitoring 9 types of inputs simultaneously without the necessity of adding additional hardware.

1. (DACT) Digital Alarm Communicator Transmitters

The system shall receive alarms from Digital Communicators, Radio Transceivers and Internet Provided Interfaces. The following formats shall be accepted: (SESCOA, VERTEX, DCI, FRANKLIN FAST - 3X1), (SESCOA - 4X3), (RADIONICS HEX - 3X1, MODEM IIIa2 and BFSK), (Old ADEMCO, SILENT KNIGHT SLOW - 3X1), (ACRON - 4X1), (SILENT KNIGHT, NAPCO - 4X2), (CFSK, VFSK, SIA - MODEM), (FBI SUPERFAST, SUR-GARD, ADEMCO HI-SPEED, and (ADEMCO EXPRESS and ADEMCO CONTACT-ID - DTMF).

The system shall support up to sixteen (16) incoming receiving lines using combinations of dual port serial I/O modules and line card units.

A Line Card Unit shall contain a dual line Digital Alarm Communicator Receiver phone line card. The phone line(s), line card, and communications to the Line Card Unit shall be fully supervised and provide audible and printed indications of failure. Power on, off- hook and line loss conditions shall also be indicated by LED activity on the Line Card Unit front panel. The software shall support a 128-event buffer for unacknowledged events and up to six (6) hexadecimal digits of account number, four (4) hexadecimal digits of zone number, and 64 three-character event codes per account.

The system shall provide sufficient memory to allow the storage of field programmable English text descriptions for all accounts, their associated event codes, and input zones. The system shall allow up to 40 lines of 32 characters each for every account message, up to 4 lines of 32 characters each for every zone message, and a 16-character descriptor for each event code. Field programmable event code tags shall be available to allow prioritizing of DACT alarm events to insure the most appropriate and expedient response. Optionally, a "GROUP TROUBLE ACKNOWLEDGE" function shall be available. This function shall allow the acknowledging of signals, programmed with the trouble event code tag, as a group when activated by a single operator action from the "touch screen".

The system shall allow 24-hour test codes to be programmed for all compatible formats. The system shall have the ability to accept 24-hour call-in for transmitter verification, and annunciate a FAIL-TO-TEST alarm if the call-in is not received. The call-in time window shall be user selectable from 1 to 168 hours. The system shall receive Opening and Closing signals without operator intervention.

The system software shall allow dialer accounts to be put IN and OUT-OF-SERVICE. If an account is OUT-OF-SERVICE, all incoming transmissions from that account will be ignored. When a dialer account is returned to IN-SERVICE from an OUT-OF-SERVICE condition, all zones will be considered restored to normal at the receiver.

The system software shall support a Dialer Account TEST mode. If a Dialer Account is placed in TEST mode, all incoming signals will be printed in the standard alarm printout format and optionally stored in History. However, there will be no display or audible alert to the operator.

The system shall allow up to 500 dialer alarms to be included in the rotating, sequential, alarm display.

INTERFACING:

The system software/hardware shall be available without the Line Card Unit to support interfacing with third party digital receivers.

2. The system shall be capable of receiving serially transmitted alarm signals directly or via modems over dedicated phone lines from remote alarm monitoring systems, digital receivers, or Fire Alarm Control Panels. The communication link shall be supervised and, upon failure, the system shall annunciate a communications failure condition. These alarm signals shall be annunciated in a way that is specific to the type of alarm input received. These alarm signals shall be reported on a prioritized basis per UL 864.

3. The system shall be capable of interfacing to radio systems including the RADSCAN AlarmNet 7810 long range radio receiver, the LARSNET RCI3300 and RCI4000, and the Keltron RF7300 – AES Intellinet receiver, via RS-232c. All received alarms shall be annunciated in a way that is consistent with alarms received from DACTs. All field programmable, fixed field, English text annunciation capabilities and outputs shall be supported. It shall be transparent to the operator whether these events were received via Radio, IP or DACT.

4. The System shall also accept all direct connect and multiplex inputs and support all hardware and software outputs of the receiving System. The inputs accommodated shall include reverse polarity, end-of-line resistor, dry contacts, proprietary tones signals, private line or star multiplex and distributed multiplex as well as coded (McCullough) Fire Alarm signals.

SYSTEM OPERATION:

When a change in any of the In-Service inputs occurs, the system shall sound the audible alert, display the appropriate message, and print the appropriate message. In order to silence the audible, the operator must touch the ACK control. Touching this shall cause the audible to silence, and the ACKnowledge message to be printed. This message shall remain displayed until CLEAR is touched, whereupon, the system returns to its regular standby operation. If the operator does not touch ACK, the audible shall continue to sound, but no further printing shall occur for that event.

Inputs that are not in the secure condition shall become part of a display sequence. In case of multiple events are on the list each event shall be displayed for 5.0 seconds in chronological order. Once the end of the list of abnormal points is reached the list shall scroll automatically to the beginning of the list and start displaying the list of events start again. Touching FAST SCAN shall speed this to once every 1.0 seconds. In addition to non-Secure zones, the sequential or rotating display will include a screen for accounts out-of-service and a screen for accounts in test mode.

SIGNAL OUTPUTS:

Relay Outputs - The system shall have the capability of controlling up to 96 normally open or normally closed Form-A relay contacts. The relays shall be mounted 16 to a plug-in circuit board and be accessible from the rear panel. Relay operation is to be completely programmable via the plug-in keyboard, with provisions for up to four (4) relays being energized by one input.

The relays shall have a rating of 400mA at 100VDC, 10VA max. The output connections are to be made by means of a 25 pair standard telephone connector for ease of installation. Relay outputs shall be field programmable by event code for each individual account and will be cleared upon operator acknowledgement.

Transistor Outputs - The system shall have the capability of controlling 288 open collector transistors (OCTs). The OCTs shall be mounted 48 to a plug-in circuit board, and be accessible from the central system processor. OCT operation is to be completely programmable via the plug-in keyboard, with provisions for up to four (4) OCT' to be energized by one input. The OCTs shall be able to sink 100ma at 48VDC. The output connections shall be made by means of a 25 pair standard telephone connector for ease of installation. Transistor outputs shall be field programmable by event code for each individual account and will be cleared upon operator acknowledgement.

Auto/Manual Transmitter Output - The system shall have the ability to either automatically or manually transmit a coded signal. There shall be two output relays, and each relay shall be set to any one of sixteen (16) speeds from .25 sec to 4 seconds. The relays shall be rated at 220VDC, 215mA, at 60W max. These coded output relays can be individually set by an internal switch to operate in either Type "A" or Type "B" Mode, with Type "B" mode being defined for Positive Non-Interfering Successive service. The transmission shall be accomplished by either accessing the touch screen for manual output, or by preprogramming individual zone and condition codes via the keyboard for automatic output. Default operational parameters, e.g. speed and number of rounds, shall be set by on-board dip switches which can be overridden by preprogrammed operational parameters for automatic operation. The transmitter shall be a plug-in circuit board that is accessed from the central system processor. Special ALL-OUT and MULTI-ALARM Software applications that transmit specially prefixed coded signals shall be optionally available.

RS232C Output - RS232C ports shall be available which can transmit data upon receipt of an alarm in three modes. Mode 1 will send the 4 lines of the message printed on the internal Dot Matrix Printer. Mode 2 will output the first 10-line display screen from the edited data base message. Modes 1 & 2 shall be printed in 32 or 64 character lines. Mode 3 will output the RS232C data using Radionics protocol to interface to a computer, another monitoring system or a central station automation software package.

Manual Relay Control - As an option, the system shall allow the manual control of relay and transistor outputs by the operator from the Touch Screen. The outputs shall be energized, de-energized, or momentarily energized.

PRINTER:

The printer shall have a minimum of 32 columns to allow instructions to be presented in an efficient manner. The instructions should provide a permanent record of an event, including the time and date of an event for recall purposes.

The printer shall allow the dispatcher to have printed messages or sets of instructions, which shall be field programmable. The messages or instructions can be removed from the printer to take to the site of the event for reference purposes.

Upon alarm receipt the system will print four fixed lines. The first two lines include an alarm or restoral indication, the account number, a time and date stamp, the alarm receiver number, event code description if programmed, or event code default, and the zone number. The last two lines printed shall be field programmable. They shall be the first line of the account message and the first line of the zone message. The alarm printout shall be printed in red or black for special emphasis. The acknowledge printout is always black and is the same as the first two lines of the alarm printout, except it indicates acknowledge instead of alarm and prints the time and date of acknowledgement.

For ready availability and low cost, the printer shall be able to use commercially available plain 3" roll paper.

If desired, fanfold paper should be usable to allow collection in a fanfold catch tray.

To assure the permanence of the record, the printout must not fade with time, as is the case with thermally sensitive paper.

DISPLAY:

The display shall have "touch screen" operating controls to provide the operator with detailed menu-driven instructions for each operator function and maintenance-free operation.

The display is used to present messages or instructions when an event occurs. The display shall be a cathode ray tube (CRT) at least seven (7) inches in size to allow major details of messages to be presented in a single display.

Character size shall allow the operator to read the display from a distance of ten feet. The CRT shall have an orange or green phosphor screen for lower operator fatigue, and direct etch for glare-free viewing. Video attributes shall be used by the system to segregate the fixed format message display screens. Dialer alarms shall be displayed using a fixed format rather than free format messages as are used for other alarm input types. The event information is displayed in separate fields or areas on the display screen. Some fields shall be mandatory. Other fields shall be optional as programmed by the user.

Mandatory fields include the Account Number, Zone Number, programmable event code, and time and date of event. Un-programmed event codes shall be displayed as received with the word 'CODE'. Programmed event codes will display their 16-character description on the alarm display screen. For SIA and Contact-Id formats, the system will automatically annunciate the event code description.

The system shall allow a total of 296 lines of 32 characters each to be programmed for the account and zone descriptions. The alarm display screen shall allow a total of seven (7) programmed 32 character lines to be displayed. These seven (7) lines shall be a combination of account and zone description message lines. All zone message lines shall display on the alarm and acknowledge screens. The system shall allow a maximum of four (4) zone message lines to be programmed for each zone. This leaves three (3) lines that will be displayed in the account message display window on the alarm screen. At least two (2) lines will be reserved for zone messages, even if blank. The maximum size of the account message window shall be at least five (5) lines. Additional programmed account message lines will be accessible only from the acknowledge display screen. The remainder of the account message shall be scrolled through the account message display window by using the NEXT page and BACK page touch switches.

Unprogrammed account or zone description fields shall be blank. There will be a single alarm display screen for any given dialer event composed of the fixed fields, programmable fields, and the touch screen area.

CLOCK/CALENDAR:

The clock portion shall provide military time (24 hour) in hours, minutes and seconds. The calendar shall provide month, day and year. Once set, the calendar shall run automatically with no need to be reset at any time including leap years. A printout shall be made each time the clock/calendar is changed to record that a change was made.

The clock/calendar shall run on 60Hz as available from the power line with its attendant accuracy, averaging less than one second per month deviation. When placed on battery operation, the unit shall automatically switch to a crystal-controlled time base, internally generated, averaging +/- 13 sec/month.

As an option, the system must be capable of synchronizing the real time clock to the National Institute of Standards and Technology (NIST) atomic time standard, via a Synchronized Master Clock from Spectracom or Chronolog Corporation or an approved equal.

MESSAGE CAPABILITY AND EDITING.

Messages can be of various sizes. If an average message size is 256 characters, a minimum capacity of 1000 messages shall be provided with the system with expansion to 20,000 messages possible. Each message shall use the message storage area in multiple blocks of 128 characters each, according to its size, to allow for efficient use of memory space. The system shall support a minimum of 3 megabytes of internal memory.

The system memory shall not have to be removed from the system to be erased or programmed. An installer level password shall be required to access system diagnostics which support hardware and memory testing.

Editing shall be accomplished via a full computer-style keyboard. The keyboard can be disconnected without disturbing normal alarm monitoring. Incoming alarms shall interrupt the edit process. After alarm acknowledgement and dispatch, a single control shall be provided to resume the edit process at the point of interruption.

CONTROLS:

All controls used in the normal operation of the system shall be long life and non-mechanical.

The controls shall be presented on the face of the CRT. Intersecting that area of the CRT screen displayed as a control, either by touching or by placing a finger or similar object just in front of the screen, shall cause activation of that control. This type of control shall allow multiple uses of the controls area with up to 16 different controls displayed simultaneously. Some indication of control activation shall be provided; either an obvious system action will take place or audible feedback shall be provided.

When no changes are being processed, the operator shall be presented with the following controls.

FEED:

This shall cause the printer paper to advance.

STOP:

This shall cause the display to freeze on the current screen.

FAST:

Inputs in an abnormal state shall be displayed sequentially on the CRT screen with a 5 second period. Touching FAST shall cause this period to be 1 second.

NEXT:

Touching this control button shall cause the screen to change and display the following control buttons.

DIALER-ACTIVITY:

This control shall cause the screen to display a Keypad, allowing the operator to select any programmed dialer account alarm input to the system. All dialer activity status changes shall be accomplished with this control. This includes placing accounts Out-of-Service, In-Service and in Test mode.

DISPLAY MESSAGE:

This control shall cause the screen to display a Keypad, allowing the operator to select any alarm input to the system, and to display its programmed display message.

SET CLOCK:

This appears only if the key switch is enabled. This control shall cause the screen to display a Keypad, allowing the operator to set the date and time.

PRINT MESSAGE:

This control shall cause the screen to display a Keypad, allowing the operator to select any alarm input to the system, and printout its programmed print message.

PRINT:

This shall cause "PRINTER OK" plus "TIME & DATE" - to be printed.

LIST:

This control shall cause the printer to list the account numbers and the total number of accounts both Out-of-Service and in Test mode.

CLEAR:

This control shall cause the display to return to normal display sequencing.

RETURNING TO THE NORMAL DISPLAY SEQUENCE:

STOP:

This shall stop the sequential display to allow examination of a particular message. Also, this shall cause the touch area beneath the displayed message to change to include:

CLEAR:This returns the display to its normal sequencing routine.

FEED:This control shall cause the printer paper to advance.

When a change of state occurs, the audible alert sounds and the appropriate messages shall be printed and displayed. Also, this shall cause the touch area beneath the displayed message to change to include:

ACK: Touching this shall cause the Acknowledge message to be printed and displayed and the audible to be silenced. This screen shall also display the FEED control button. After ACK is activated, the screen shall change and display the CLEAR and FEED control buttons.

SOFTWARE OPTIONS:

HISTORY - A battery backed internal RAM storage facility in which to automatically record all operations performed by the Receiver shall be provided. Accessibility is menu driven from the keyboard. A minimum of 4080 events shall be provided per single storage facility. Expansion to 16,352 events shall be possible by adding additional memory capacity and a software upgrade. An external computer shall not be required. Actions recorded shall include Alarm Activations, Restorals and Acknowledgements, In/Out Service functions, Clock Set functions, Master Clock failures, Edit sessions, AC loss alarms, Communication failures, and all System Supervisory alarms. The history record shall be printed or displayed in its entirety, or sorted by account, time, type, priority, and date or in any combination thereof.

The system shall be connected to a PC either locally or via modems. A password will be required to permit system access. This connection shall be for the purpose of database backup, restoral, creation, editing, archiving, printing, or remote programming. This connection shall be transparent to the operator and must not affect alarm receiving in any way.

EDITOR PASSWORD - The system shall be capable of providing password protected database access. This shall limit access to the programmed message database to authorized personnel.

BACKGROUND ALARM PROCESSING - The system shall provide the ability to permit alarms from a remotely monitored location to be passed through an operating system on the way to their final destination without operator interruption. If the signal transmission path is interrupted, the last system before the point of interruption becomes the dispatch location.

CALL ASSURANCE CHECK-IN - Optional software shall be available for institutions such as Assisted Living Facilities. The purpose of the "Call-Assurance Check-in" software is to reduce staffing requirements, by automating the supervision of these people who shall be self-reliant, but require daily confirmation of their physical and mental well-being due to their age, physical condition or mental health. With this system, the residents shall be required to manually activate a signal to the receiver. Reception of proper check-in signals on enabled accounts is normally transparent to system operators. The receiving system's receipt of the correct signal validates the monitored persons "up and about" status. The absence of this signal within a predetermined time period will be treated as an alarm. An exception report, containing those accounts that have not yet checked in, is printed automatically upon expiration of the predefined time period. This alarm event printout signifies the need to physically check on those persons who have not yet reported in that they shall be "up and about".

FT-OPTION - The system shall be capable of dedicating any or all operator's consoles to receive a particular alarm type. The Central System Processor, when equipped with a video display, will annunciate all alarm types. The fire alarms shall go to a particular operator's console at the Fire Department, and the Burglary or Hold-Up alarms shall go to a separate operator's console at the Police Department. In the unlikely event of a system failure all alarms will be annunciated on the operational operators console without regard for the FT-Option.

OPERATOR LOG-ON/OFF - The system shall be capable of providing operator accountability by requiring the operator to LOG-ON with a unique password before alarm acknowledgements will be accepted. LOG-ON/OFF activities shall be recorded in the optional system history file.

NETWORKED SYSTEMS - The system shall be capable of supporting the connection of multiple system processors with alarm receiving and dispatch capabilities. Also supported shall be redundant databases with automatic updates between locations and cross-acknowledge functions.

PHYSICAL DETAILS - The Dialup phone line inputs shall be connected to the line card that is cable connected to the central system processor unit. A standard telephone connection shall be used at the system.

The panel operator's unit shall be inclusive to all operators' functions. The panel operator's unit shall run on 24VDC, filtered, regulated power. The power supply shall be mounted remotely from the panel operator's unit, and shall be powered by 115VAC, 60Hz, and provide terminals to float-charge a pair(s) of 12V solid cell batteries. The batteries shall be supervised and an output provided at the power supply for a no/low battery condition. If AC input power fails, the panel operator's unit shall run on batteries without interruption, and an audible alert shall sound indicating battery operation. Any system AC power failure shall cause a supervisory alarm at all panel operators' units as well as at the central processor, if equipped for annunciation.

All phone line inputs will be connected to the central system processor. The central system processor shall be available with no display, a video display, or video display and printer. A maximum of four remote operator's consoles can be provided per system. The operator's console(s) and central system processor will communicate via RS422 for distances to 4000 feet, and via modems for further distances. Operator's consoles will be available with video display only, or video display and hard copy printer. Communications between the processor and the operator's consoles shall be supervised and provide visual and audible indications of failure. System programming shall be accomplished from any operator's console or the system processor with the display option.

Auxiliary Functions:

When the paper supply becomes low, the screen shall so indicate by displaying PAPER LOW in the lower right hand quadrant. In addition, the audible alert shall be sounded briefly once per minute. The FEED button becomes an "E" control, which when activated permits access to printer feed and print commands. When the paper supply is exhausted, PAPER OUT shall be indicated, and the alert will be sounded as for PAPER LOW. In this case, no further hard copy record will be available until paper is replenished. Events to be printed will be stored and then printed when the paper is replaced.

Should the printer become jammed, the words HEAD JAM will be indicated, and the alert will be sounded once per minute.

OPTIONAL HARDWARE:

Any system module with a CRT Display screen shall be capable of driving an external video monitor via a 75ohm coaxial cable to provide a redundant display only, no controls.

The system shall be capable of interfacing to external line printers via RS-232c, RS-422, or modems. Operating modes one or two shall be selected as well as 32 or 64 character lines. This option shall be added to the operators' consoles or the central processor.

The system shall be capable of transmitting alarm event data to alphanumeric pocket pagers via either an on-site system or off-site commercial paging system provider.

The system shall be capable of interfacing to Central Station Automation Software, PC GRAPHICS, and Computer Aided Dispatch Systems.

The system shall be capable of supporting redundant system processors. The system shall provide a seamless, automatic, switch over function with no loss of account and zone status or database information in the event of primary processor failure.

Life Safety Event Management Software:

The system shall provide detailed information and specifications for a single and multi-user life safety event management automation, graphical display, and dispatch system including all required hardware and software. The software enhances the functionality and utility of the alarm receiving systems or third party alarm receiving and monitoring systems.

The life safety event management system integrates proven reliable alarm monitoring systems with state-of-the-art computing technologies to dramatically increase the capabilities of life safety organizations. The system shall provide a highly efficient access to information that shall enable fast and accurate response to life safety situations.

A reliable and versatile Windows-based system combines the most valuable features of central station automation and graphical display software for fire alarm panels, with proven alarm receiving technology to produce a system that meets the mission critical needs of today's life safety industry.

System Architecture - Performance:

The system is designed to provide high performance and quick dispatch. The dispatch functions shall be separated from database maintenance and monitoring functions to minimize the impact of administrative requirements on the dispatcher while providing a high degree of security and reporting information to the systems administrator and managing stakeholders.

The modular design of the system architecture makes it robust, scalable and extensible. Modular design shall enable specialized software components to perform specific functions efficiently, quickly and accurately without interference from unrelated components. The architecture is built on a standard operating system, using known interfaces and connection methods, with extensive network and printer support.

The central core of the software architecture is the Event Manager module. The primary function of the Event Manager is to maintain the list of active events and alarms and control access from competing client modules. It shall provide continuous backup shadowing to preserve the latest state of all active events in the unlikely event of system interruption.

The Event Manager module acts as a server for various client modules that can originate, manipulate, or display events. Because it has no database connections and very little dependency on system resources, it is very robust, very efficient and very small. Even when under a load of several thousand alarms, it consumes a small fraction of system resources.

To ensure reliability, and minimize the dependency of any specific function on system resources, individual client applications perform different functions, independent of one another.

Examples include:

1. Receiver clients provide the interface to external alarm receiver hardware systems. They manage the unique requirements of the communications link and protocol, isolating these details from the rest of the system, and provide complete event information to the event manager. New receiver clients can be developed with no impact on the Event Manager or any other client module.

2. Supervisory Clients perform specific background tasks such as monitoring periodic device check-in, logging alarms, and monitoring disabled devices and recording events to history.

3. User Interface Clients, like the dispatcher, shall be designed to be intuitive for the user.

4. Interconnection Clients connect multiple redundant system functionality.

The clients shall communicate with the Event Manager through a single, well-defined interface. This interface shall provide the same functional connection whether the Event Manager and the clients reside and run on the same machine or on two machines separated by thousands of miles.

System Features:

The system shall UL Listed to receive alarms from a wide variety of standard industry technologies including Ethernet, active network and long-range radio, star and distributed multiplex style inputs, digital dialers, direct connects (POTS or fiber), and coded signals. It can also accept alarm inputs directly from industry-standard alarm receivers. The system shall enable

fast and efficient communication to the server by providing a customized, ODBC-compliant database that facilitates efficient, accurate alarm dispatching and tracking. Color-coded alarms and custom audio/visual indicators enable instant recognition of the nature and/or severity of an event. Full graphic capabilities shall enable the user to import graphic files to enhance the dispatcher's speed and accuracy and blinking icons that quickly identify the devices in alarm.

The system shall include an integral history reporting function for analyzing historical trends and tracking false alarms. Powerful and flexible search capabilities enable systems administrators to locate and segregate information by entering one or more key words. The standard, open systems database shall enable the administrator to employ third-party reporting tools to provide custom reports when necessary.

The system Server, shall be a dedicated, rack-mount or tower, high-performance server, forms the core of single- or multi-user systems. Stand-alone or rack-mount PC workstations use a standard Windows-based operating system and components to provide sufficient resources for all installed applications.

The system shall provide an advanced Intel Pentium processor, an 8.4-inch diagonal TFT color display with an optional easy-to-use touch screen or familiar keyboard-and-mouse operation, and an optional quiet thermal printer with automatic take-up.

Mounted in a standard 19-inch rack, the workstation is configured to fit a wide variety of dispatch consoles. External video and printer outputs shall be available to easily incorporate industry-standard printers and large-screen displays. The LAN interface shall enable operator workstations to be networked together with the server.

The expanded networking capabilities enable multiple users to access the system simultaneously with varying levels of privileges to perform many tasks such as maintaining customer account information, reviewing event history and active, on-line alarm dispatching. Internet accessibility is also available for feature additions or remote diagnostics.

Functionality:

The system shall provide unique features that meet the wide variety of requirements inherent in the life safety market. The system engineers and product managers shall maintain an extensive schedule of software enhancements shall be generated through ongoing customer and market research.

Supervisory Functions:

The supervisory function monitors a variety of types of alarm and system activity including periodic device check-in, out-of-service and test service mode settings, receiver interface communications link integrity, and system status, such as logging, ticket or report printer availability and status.

When the system detects a problem in these areas, the problem is reported to the operators as a supervisory alarm, and includes a detailed description of the out-of-normal condition.

In addition, the Supervisory Client station shall provide event logging and history recording services.

Rotational display screen:

The system shall provide a view of all active events by continuously displaying these events at five second intervals. This ensures that unresolved issues shall not be lost or forgotten.

Unlimited accounts:

The number of alarms accepted by the system is restricted only by the limits of the computer hardware.

Automatic signal prioritization:

The life safety event management software shall automatically prioritize all alarm signals according to UL standards using programmable event classes.

System response modes:

The system shall support programmable response modes including:

1. User - for full system control
2. Auto-log - to alleviate operator interaction
3. Ignore - for automatic discard of received events

Operational and disable modes:

The system operator shall set the service mode of any connected panel or device to active, out-of-service or test mode.

In active mode the system will annunciate all events from the panel and its devices, according to the default or programmed colors, sounds and display tab preferences. In out-of-service mode, events a shall be tracked and recorded by the system but not reported to the operator. When a panel or device is returned to active mode from out-of-service mode, its last recorded status will be reported to the operator if the device is not restored to normal. When a panel or device is returned to active mode from test mode its last recorded status will not be reported to the operator. Disable modes will have a selectable duration and will automatically lapse or shall be manually cancelled by the operator

Group acknowledge:

The 'group acknowledge' function shall enable the operator to batch acknowledge a group of low priority events such as trouble and restore events, so that higher priority events can be managed expeditiously.

Swinger Suppression:

A 'swinger' is an alarm input that constantly toggles between normal and off-normal states presenting hundreds of identical events to the system for processing and operator interaction. The system shall provide a swinger suppression function that prevents the operator from being overloaded with such a huge number of alarms that effective response is impossible. It prevents exhaustion of system resources, even if the system is left unattended for very long periods of time, by reducing the number of spooled printer jobs, and reducing the size of the backup shadow file.

This feature prevents operator frustration and overload by reducing the workload to manageable levels. Thousands of swinger events shall have occurred, but the operator need only respond to the two initial alarms. Swinger suppression prevents the system and operator overload problems by accumulating repeating events together in a single compact form.

When the first trouble event comes in and generates an event on the screen, the system shall sound the audible alert, displays the pending alarm banner, and prints an event record. When the second signal from that alarm is received, if it's the same event code from the same device, no new alarm is generated. If it's a different event from the same device, a new alarm will be generated, printed, logged and, if it is a higher priority (e.g., a fire vs. a trouble) it will take over the pending display.

If the device keeps going back and forth between the trouble and alarm condition, no new pending alarms shall be generated, thus the operator only responds to the pending fire and trouble events.

The history tab shows several pieces of data on that event:

1. The first occurrence of the event
2. The most recent occurrence of the event
3. The number of times the event reoccurred
4. A detailed audit history of the event

After one swinger alarm has been acknowledged, the process starts all over again: the next occurrence of an event will generate a new alarm in the system, but further occurrences will, as above, accumulate into that pending alarm.

Storm mode:

Setting the system to 'storm mode' allows certain events, such as those caused by severe weather, to either be auto-acknowledged or ignored for the period of time the system is in this mode. Non-restoral events shall be maintained in rotation until cleared by restoral signals or manual deletion. At the end of this time, the system automatically reverts to normal operations.

The systems administrator can define which classes of events will be affected along with the automatic expiration period for storm mode.

Sounds:

Audible (.wav) files shall be imported into the database and linked to incoming alarms for automatic operator notification.

Printing:

The system shall use any Windows-supported local or networked printer for the following functions:

Logging - logs every incoming alarm and its acknowledgement with a brief, multi-line line entry. The system shall employ line-oriented, impact or thermal printers for this application.

Ticket printing - prints a single page of information about a specific event. A site shall use either line printers or page printers. Ticket printing is a summary of the dispatch information available on different tabs on the screen. It includes the 'banner', i.e., the alarm type, consolidated location summary and time of occurrence, location, personal contact/key holder information, instructions, site location and info, subscriber and locale name.

Report printing - supports printing the hardcopy output from History Editor, Monitor or third-party applications such as Crystal Reports. Either line or page printers can be used, though laser page printers produce higher quality output in shorter time.

Default operation for un-programmed events:

The software shall provide full support for an intelligent, operator-friendly display of events arriving from un-programmed sources. The software supports intelligent message interpretation of a variety of industry-standard message types, including Ademco - Contact ID format, direct-connect, distributed multiplexer formats, radio formats and SIA-compliant formats, and understands more than a thousand different messages and variants.

When the system is installed, it not necessary to perform extensive programming in order for the system to be immediately usable for operators. When the system receives a message from any of a variety of industry-standard signaling devices, an intelligent interpretation and display of that

event is displayed for the operator. Only the physical location of the monitored system must be programmed.

To facilitate quick event response, instead of presenting obscure event codes, the system clearly displays the nature of the events in prioritized hierarchy. Further programming shall add important functional capability, such as site- and device-specific instructions, customized graphics and audible alerts.

Multi-user features - Remote access:

The system shall provide remote access through standard networking protocols over high-speed TCP/IP links. Remote workstations provide the same level of functionality as the host seat, limited only by the system access privileges that shall be determined on an operator-by-operator basis. Open networks employ a recommended hardware router for secure network communications.

Remote stations can be used not only for regular dispatch access, but for system administration and configuration, as well as history maintenance, auditing and reporting.

Security - Operator Privileges:

To increase security and ensure compliance with published policies and procedures, the system shall provide multiple levels of privileges for operators, users, guests and administrators. For example, operators shall acknowledge and resolve events but not clear them from the system, or a user must have a given level of privilege to access the history tool.

Dispatching:

The system shall provide a main dispatch screen displays all the critical information a dispatcher requires to expedite event management. The system immediately displays the most critical and basic information, with extended support information only a single click away. Basic dispatch information includes the nature of, location, time and date of the event. Extended information includes complete site description and location information, detailed dispatch instructions for the monitored site, call and contact lists, graphic display information including maps and floor plans showing the exact location and the nature of the alarm, photographs and diagrams, account information, and details that shall be used in diagnosing faulty or run-away devices and managing defend-in-place or hazmat situations.

When an alarm is acknowledged, a programmable dispatch tab appears. Normally, the dispatch tab is displayed showing instructions, location and contact information. This setting does not limit access to the other tabs - the operator shall access any tab by clicking it.

Rotation events shall be programmed to appear by class. Rotation retains the last state of the device. Normally, the system retains all off-normal states including both Alarms and Troubles. Restores to Normal, under these conditions, clears an off-normal event from rotation.

Dispatch Operation:

The operator log-in function shall provide an audit trail to track and analyze the alarm monitoring and dispatch function.

The system shall provide an acknowledge screen upon receipt of an event. This first screen displays the nature and location of the event with a programmable color background and a programmable audio component to alert the operator to the type of event. The second screen that is displayed after operator acknowledgement is the dispatch screen. This screen shall provide detailed information on the type of event, location of the event, and the recommended response steps and procedure. The system shall be programmed to display prioritized contact information. The dispatch screen shall provide user access using either a keyboard/mouse or touch screen-activated tabs to the other types of informational screens available to the operator.

1. The 'dispatch' tab returns the operator to the initial dispatch screen.

2. The 'maps' tab shall provide access to graphical depictions of the location and type of event.

3. The 'site' tab shall provide access to information identifying the actual physical location of the monitored system or building and any critical information pertaining to that location such as hazardous materials and any other data specific to that site.

4. The 'notes' tab shall provide the operator with the ability to maintain a running real time record of all action taken and reported in response to the received event.

5. The 'details' tab shall provide the operator or technician with the technical information pertaining to the type of alarm, receiving technology and pertinent notes for that alarm.

6. The 'history' tab shall provide the operator access to the history of that specific event including the event ID, raw event data, time of receipt, time dispatched, source, operator, how many times it was received, and time resolved.

The universally familiar Windows tool bar at the top of the screen shall provide access to the file, service mode and search, event, tools and help pull down menus.

1. The file menu shall provide access to login and logout functions.

2. The service mode menu shall provide access to panel and device control for disabling and enabling alarms.

3. The search menu allows database search by all fields.

4. The tools menu shall enable manual alarm entry and storm mode activation.

5. The help menu shall provide full on-line user documentation.

The operator shall click on the 'alarms pending' window at any time to see list of all events that have been received and shall be pending operator acknowledgement. The operator will see the event priority and shall select an event from the list for acknowledgement, dispatch and resolution. All resolved events shall be accompanied in history by an operator selected resolution code. This code aids in historical trend analysis.

Programming:

Use of the configuration database maintenance application requires the user to log in with a recognized password and privilege level. Logon privileges, as set by the system administrator, determine the level of access to the systems database.

Existing sites or accounts shall be updated or added using the configuration database maintenance application.

The system shall provide the ability to add extended site information such as contacts (key holders, supervisors, and other related personnel), site-specific instructions, detailed explanatory notes, and warnings. In addition, the user shall import and associate graphic images such as maps and floor plans that illustrate this information and can help the dispatcher to quickly and accurately respond to an event.

The system supports programmed receivers, locales, device templates and event categories. Some of this data is pre-configured from the factory. Other data is programmed during the initial setup.

The receiver object is supported by receiver interface software clients. The receiver object shall provide a programmable tab displays such as general, configuration, and locales.

The locale can be associated with a physical entity or several physical entities as well as with a single receiver or multiple receivers.

The user shall be able to add information about the hardware devices that are monitoring that site.

All access to and control of the database maintenance application is provided through two methods: the navigator, which shall provide a graphic-oriented hierarchical view of the database, and the menus. While many functions can be accessed either way, there shall be some that shall be only available through one method.

For those functions accessible by both, the choice is a matter of convenience or preference. Accessing elements of the database is general and not constrained by how the various elements and layers relate to one another. For example, it is easy to use the search menu to find any device in the system, whereas it shall be simpler to find a device belonging to a particular site using the navigator.

The navigator window is divided into two 'panes'. The left pane shows a hierarchical directory of the database. The right pane displays the detailed contents of each layer selected from the hierarchical directory.

The left pane of the navigator is the Navigator Directory, displaying each level in the database hierarchy. Required for programming a device is an icon and a label for Receivers, Locales, Subscribers, Sites, and Devices, as well as entries for Service Companies, Event Categories, Contacts, Authorities, Operator Groups, Operators and Device Templates. Click any of these and the right window displays the contents of that level.

The Navigator Directory shall provide quick-access functions including; add, search, expand and collapse.

The database maintenance application shall provide a comprehensive menu of functions to provide access control, set display mode, search for items or add new ones, and configure different aspects of the system.

The menus include: file menu, view menu, search menu, new menu, and tools menu.

1. The file menu shall provide the exit function.

2. The view menu shall enable the programmer to choose from iconic, list or detailed viewing of the right navigator pane objects.

3. The search menu shall enable the operator to search for any editable database object.

4. The new menu shall enable the programmer to add an object to the database.

5. The tools menu shall provide dispatch options, printer, storm mode and group dispatch setup.

To add a new site or account to the database, the user should have the following information readily available:

1. General information for the site or account such as the name/description, the account number (if any), physical address and site telephone number.

2. In which Locale the site is located.

3. The type and identification number, account number or hardware address of the hardware that is used to monitor the site; for example, the particular model of radio transceiver or the connection point for a direct-wire device.

4. Optional contact information such as key holder name and phone numbers, graphics information such as maps or floor plans, subscriber information and if the site is one location of several under a single subscriber.

The maintenance application shall enable the user to pre-program general support information before adding information for specific signaling devices. Examples include objects such as:

1. Service companies

2. Operator groups and individual operators

3. Event categories

4. Device templates

Each of the major entities in the database (Locales, Subscribers and Sites) shall provide the option of programming a designated service company - the organization responsible for installing, maintaining and upgrading the equipment and systems.

1. The Locale object supports authorities, service companies, notes, sites and contacts programming.

2. The Site object shall enable general, device, contact, graphic, instruction and note tab programming.

3. The General tab allows the programming of information such as address, with locale, service company and subscriber fields being selectable from a list and filling the appropriate field automatically. The site name and ID shall also be programmed on the General site tab.

4. While the Site represents the monitored area, the devices provide the association between physical messages from a remote sensor and the high-level information about the site.

5. The Contacts tab shall enable the programming of call lists and selection of a primary person.

6. The Graphics tab shall enable the user to associate graphics such as maps, floor plans or images with the site. The number of graphics that shall be associated with a device is unlimited.

7. The Instructions tab shall enable the user to enter site-specific instructions to be displayed to the operator when an event occurs at the site.

8. The Service Company entry supports programming entry tabs of clients, contacts, and notes.

9. The system allows devices to be added and shall provide general, zones, event codes, icons, and instructions tabs.

10. Zone information shall come from a template or be programmed individually for each device.

11. The Event Codes tab shall provide the connections or mappings between the device's low-level hardware event codes and the pre-programmed event categories.

12. The Icons tab shall enable the user to place icons on the graphical images.

13. The Event Categories entry generates operator-friendly, comprehensive actions in the database.

14. The Instructions tab shall enable the administrator to enter detailed instructions that shall be specific to the device being programmed. The instructions will be displayed along with the event category instructions when the device signals an event.

The system shall allow the user to program direct connect devices as zones. The supported programming tabs shall be general, event codes, icons, and instructions. The General tab supports device ID, template selection, site, receiver, location, and zone. The system shall enable the user to program the subscriber object. The supported programming tabs shall be: general, sites, contacts and notes.

The system shall provide multiple levels of access privileges through the use of operator groups. Each operator group can be assigned different levels of privileges. Individual operators can be added to operator groups, and shall be given the privileges of that group. The system supports multiple operator groups, each with its own privilege mask combinations.

The system supports the programming of default behavior in response to received events including sounds and colors.

The system shall provide device template architecture. This shall enable the user to program a complex panel or device model only once. Adding new customer accounts using device templates is very fast, efficient and reliable. These features substantially reduce programming time and programming errors all of which minimize setup costs. The user can easily change global device behavior, such as check-in-times, on multiple devices by changing the device template, reducing ongoing maintenance time and expense. Template behavior shall be overridden partially or totally for account- or zone-specific behavior through account and zone programming, without invalidating existing templates.

Database:

The system includes an ODBC database that shall enable ANSI-compliant SQL access.

Schemas shall be public and published.

An XML importer is functional, to allow the user to import other databases.

The system supplier shall provide online utilities for database maintenance such as backup/restore, version upgrades, and like functions.

Graphic Files:

The system shall support multiple graphic file formats. Files shall be attached to an incoming alarm and linked in a hierarchy so navigation, can be performed by the operator. This shall enable the system to receive an alarm and automatically display a street map and/or subsequent graphics of the building, wing, floor, room, and finally to the device icon.

The following file types shall be directly imported into the system:

1. .BMP, .RLE - Windows bitmap graphics files
2. .GIF - Graphics Interchange Format files
3. .JPG, .JPEG - Joint Picture Experts Group format files
4. .PDF - Portable Document Format
5. .WMF, .EMF - Windows graphics metafiles
6. CAD files must be 100% transparent and compatible with these file formats.

The system application software shall support multiple hierarchical graphic images creating important instruction and/or images:

In an emergency situation, multiple hierarchical graphics shall provide the dispatchers with the most accurate and efficient method of understanding the physical situation of an event. This approach to graphical file presentation shall be full dynamic and not put any additional burden on the operator to manage a graphics environment while in the midst of managing with mission-critical events.

The system's graphic structure shall enable the administrator to provide a mix of images: beyond the normal maps and floor plans, the administrator can include photographs of attending personnel or of specific areas, providing the facility optimal flexibility and versatility. Using dedicated images also minimizes system resource requirements.

Monitor application:

The Executive Monitoring utility shall provide the site administrator or supervisor with a way to monitor basic system activity and status from any appropriately-configured local or remote workstation computer. This function shall be available only for monitoring the system status and shall provide no means to directly modify events.

The monitor utility shall provide a display of the following important system activities and states:

1. Active events: all currently active events shall be displayed. Separate windows provide displays of all new, pending, in dispatch, on hold, resolved and in rotation events. Any event can be selected to display the details associated with the event, including extensive site-specific information.

2. Disable devices and zones: Any device which is placed in out-of-service, test or other disable modes is displayed, along with site information and expiration time.

3. Operators: a window displays all logged on operators by operator name, system name and log-in time.

History:

The system shall provide full history recording capability. History data is stored to an ODBC-compliant database separate from the main configuration database to minimize impact on the main database resources. This allows the databases to reside on physically separate volumes.

The history system records the following important system events:

1. All real-time events, such as alarms, troubles and restoral's originating from real devices through event receivers.

2. Operator-generated manual alarms.

3. System-generated supervisory events such as missed check-ins, receiver communications failures, printer faults, etc.

4. Device service mode changes.

5. Operator logins and logouts.

Where appropriate, a complete history for each event state change, such as acknowledgement, resolution and eventual removal is captured, including details of when the transition occurred, and the operator responsible.

History editor:

The system shall include an online history editor and viewer application that shall enable the user to instantly view the contents of the system's history database. Functional features shall include:

1. Search on different criteria, such as locale, subscriber or site name/number, event type, current event status, and dates

2. Sort event display on any displayed attribute

3. View event details of any selected event

4. Add short notations to events (requires appropriate operator privileges)

5. Add updated or final resolution of events (requires appropriate operator privileges)

6. Print a report of selected and sorted events on any networked Windows-based printer. Operator shall choose to print all or just selected events.

7. Erase selected events from history database (requires appropriate operator privileges)

System configurations:

The system shall be available in a range of configurations to meet the individual needs of different facilities. These configurations shall be combined in a variety of ways to allow system configurations for alarm monitoring applications ranging from single-package, single user stand-alone or rack systems to full receiving rack-based servers supporting multiple operators over secure LAN and WAN connections.

Systems that are installed on an open network shall be configured to include routers/VPNs at each access point, so as to protect the system from unauthorized access.

System hardware and operational specifications

Standard hardware includes:

- 4U standard rack-mount chassis with integral, dual, hot swap, 400 watt 120/240 VAC power supplies
- ATX form-factor motherboard
- Dual Quad Core Processors
- 8GB of memory, expandable to 32 GB
- SVGA or better display system
- 10/100 LAN Ethernet port

- 10 USB 2.0 ports
- Wireless keyboard and mouse interface
- One parallel port (rear)
- Multiple serial ports
- Internal 3 TB high-capacity disk storage
- 2 - Integral 52X CD-RW drive
- Built-in 8.4" high bright LCD (300 nits)
- Rack-mount keyboard/mouse shelf
- Redundant high-performance, high-reliability SCSI-III multiple-drive RAID configuration with real-time background data shadowing.

ANCILLARY NOTIFICATION COMPONENT (PART 2)

The system software module shall, upon receipt of a signal, translate the format in which the signal was received to determine the designated facility name/ number, the specific address of the device sending the signal, the designated type of device, and the condition or state of the device. (Alarm, Supervisory, Trouble, or Restore) Once the information is received it will be automatically processed to the Monitor software module of the Ancillary Notification System. The translation software module shall be fully programmable to translate all signals from any manufacturer's panel in an open protocol without the possibility of loss of information or interruption of service.

iTranslate:

The itranslate software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and shall not be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the translation module shall automatically restart and reload into the resident operating system without any operator intervention.

iMonitor:

The iMonitor software module shall contain the setup information and control all activity logging. Additionally, it shall immediately record a date and time stamp of the signal being received and the post-translated condition of the signal. The information shall be permanently recorded for historical data retrieval at a later date through the use of the Report software

module. The Monitor software module shall determine and control the overall number of authorized notification points of the Ancillary Notification System by the use of a software authorization access key issued by the manufacturer. The Monitor software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the Monitor module shall automatically restart and reload into the resident operating system without any operator intervention.

iWatch:

The iWatch software module shall contain all of the dynamic text and graphic information to be dispatched to the designated recipient's device/s. The designated recipient devices shall include, but not be limited to Blackberry's, cell phones, e-mail, fax machines Laptop computers, Desktop computers, Servers and pagers.

Upon receipt of a signal, the Watch software module shall begin an automatic processing sequence of the graphic information to be dispatched. The information shall be automatically and electronically printed in a Portable Document Format (.pdf) and stored for retrieval by other authorized operators. Archive software folders shall be automatically created to store the .pdf files by event and the date and time that they were received and processed. Each Archive file shall be individually identified by the respective facility number and shall contain the exact date and time to the second of the event. The .pdf file shall be available to be access through common windows programs for viewing and file maintenance requirements. It shall be possible for an authorized operator to view all devices by the simple click of the PC Mouse button contained on the Watch software display screen. Special maintenance alerts, historical data or any text information shall be separately stored for each device, by authorized operator reference. The Watch software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the Watch module shall automatically restart and reload into the resident operating system without any operator intervention.

iDispatch:

The idispatch module shall control all outbound email and text messages to be dispatch to the designated recipient's device/s. The device/s shall include but not be limited to Laptop computers, Desktop computers, Servers, or any internet email addresses, cellular telephones, or

Blackberry device. The Dispatch module shall continually monitor all outbound files and upon receipt, dispatch the designated information. The information shall be dispatched in the form of text message/s, .wav file/s, graphical image/s, internet links, hyperlinks, and/or any pre-generated .pdf document/s. The Dispatch module shall dispatch all formats or any combination thereof in a single dispatch to unlimited recipients. Graphical images shall be dynamic in their operation allowing the recipient/s to zoom in or out of the image with no loss or degradation of the image/s. All signals shall be automatically dispatched, without any operator intervention in under, a total elapsed time of 75 seconds, from start to finish. The time shall be measured from when the actual field device (Smoke Detector, Pull Station, Water Flow, etc.) is activated to when a designated recipient receives the signal. All text message/s, .wav file/s, graphical image/s, internet links, hyperlinks, and/or any pre-generated .pdf document/s shall be device specific and will not be general in content. The specific location and all critical information shall be contained with each device dispatch. The graphic images shall be transmitted in .pdf format, shall be in color, reflecting the device in alarm in red, or device in trouble in yellow. All devices shall be reflected on the graphic image however only the abnormal device will be reflected in it designated color based on its condition. A quick locate feature (Bold Rectangle) shall be automatically generated and provided to draw additional attention to the abnormal device, even in a zoomed out condition. It shall be possible to zoom the image from 1% to 6,600% power or magnification. An Dispatch log file shall be automatically created each and every time a dispatch is made. The Dispatch log file shall be available to be access through common windows programs for viewing and file maintenance requirements. The Dispatch module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the Dispatch module shall automatically restart and reload into the resident operating system without any operator intervention.

iConfigure:

The iConfigure software module shall be the utility program used for the inputting the configuration of all critical information into the Ancillary Notification System. Access to the program shall be by use of authorized passwords. Authorized personnel must sign on using a hierarchy of authorized password levels that have been established by the Master Administrator. Once signed on, authorized personnel shall have the ability to define each and every aspect of the signal and device characteristics. The Configure software module shall have an auto learn feature which enables field devices to be automatically imported into the Configure Software, avoiding manual entry of the devices and the associated device descriptor information, not with-standing, in the absence thereof, providing authorized personnel the ability to manually enter the device and descriptor information. All Background images (Graphics) shall be programmed as sublevels

of an image zone and an image group. All field devices shall be stored in a master database which shall be accessible easily from standard PC Mouse commands. Adding a device to an image shall consist of three simple mouse clicks to view the entire field device database followed by a simple drag and drop effort onto the respective image. When deleting a device, the deleted device shall be removed from the image but shall be retained in the field device database for future replacement. Editing a device shall allow authorized operators to change the specific device icon size or all of the device icon sizes contained on the image at one time without the necessity of leaving the edit command screen. After any individual or all of the field devices have been placed on an image, it shall be possible to test the dynamic operation of any field device by selecting the device test option. This option shall allow verification of each field device alarm, supervisory, trouble and restoral functions as if it were an authentic change of event being received by the operating system.

iReport:

The iReport software module shall allow a full history recap via a windows based report query format structure that can be entered by device address, type, condition, account, or date criterion and/or any combination thereof. All report results shall be displayed in less than 2 seconds, as a standard text file permitting easy printing in an open protocol, word merging, and/or text management arrangement. It shall also be possible to gather email and text message verification from the Archive software module database for verification of email and text notification/s. A backup version of the Report log files shall be fully integrated, in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the Report software module shall automatically restart and reload into the resident operating system without any operator intervention.

iArchive:

The iArchive module shall automatically and permanently record the results of all system transactions to the system archive files. The Archive software module shall reside as a separate and distinct database from the history report file and, to insure survivability, shall not be stored on the same computing device nor at the same computing location as the main operating system. It shall be possible to easily review the results of any and all transactions of the system at any time without the possible loss or interruption of the main operating system. The Archive software module shall automatically restart and reload into the resident operating system without any operator intervention.

Scalability:

The life safety event management system shall be designed using open protocol and standard off the shelf technology with the capacity to surpass all current and projected future requirements by at least 500%. The system shall provide software application modules that use open protocol and off the shelf proven technology and shall be specifically designed for multi-building and

municipal facility life safety environments to ensure a minimum 15 year system life of high-performance and reliable service. The system shall provide all required functionality with new or existing alarm monitoring and receiving equipment to monitor, receive, interpret, annunciate, respond, track, dispatch, electronically notify, and manage all life safety events.

System Software:

The software shall be an extensible application using the Microsoft Windows operating system platform. The software shall be provided on a standard platform enabling the system to be integrated with other facility, municipal and campus management systems such as mass notification, paging, CAD, CCTV and video display and IP accessible systems.

Support Documentation:

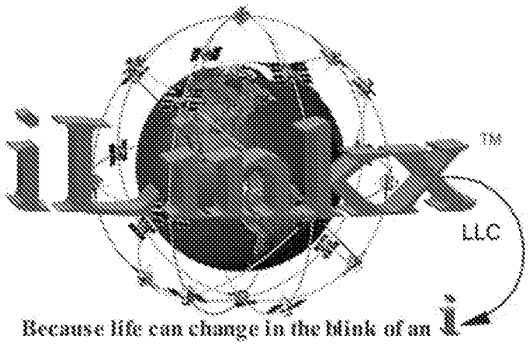
Provide the following support documentation:

- A network setup guide that establishes the requirements and procedures for site administrators to use when
- incorporating the system into a network.
- A server installation guide that shows the installation and configuration of the Server.
- History editor and user guide.
- Operators manual including Graphic Compositions.
- A database programming and maintenance manual.
- A quick dispatcher's guide to show basic operator interaction with the system providing the ability to acknowledge
- events and dispatch personnel.
- A full dispatchers' training course presented in Microsoft PowerPoint format.
- Online, fully indexed and searchable user documentation.

APPENDIX A

PART II





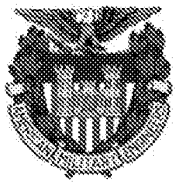


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1) iLinkx Promotional Brochure -1

2) iLinkx Promotional Brochure - 2

3) iLinkx Flow Diagram

4) iLinkx Features

5) iLinkx Text Message

6) iLinkx Colorgraphic .pdf Attachment

7) GoBook™ MR-1 Fully-Rugged, Ultra-Mobile Notebook

8) Terms & Conditions of Ancilliary Signaling Service Contract Agreement

9) Addendum to Ancillary Signaling Service Contract Agreement

10) iLinkx Fee Schedule

11) iLinkx Signal Receiving & Ancillary Notification System Specifications

560 W. Canfield Ave. – Coeur d'Alene, ID 83815 – Ph: 800-788-8016 Fax: 800-788-8017 email: ilinkx@sprynet.com

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iLinkx™ LLC

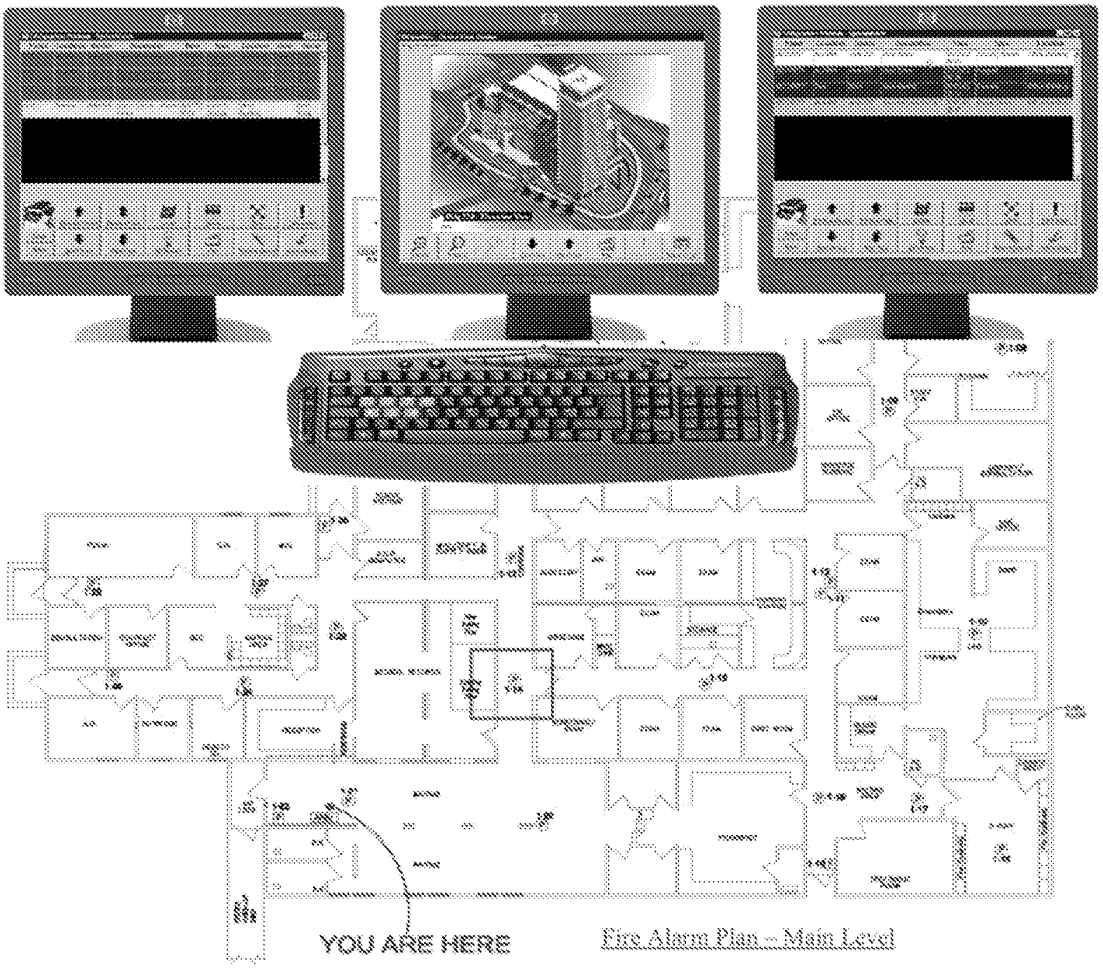
Because life can change in the blink of an i

Sustaining Member

iLinkx is your connection to critical information

Use your existing network connection and unleash the power to display critical information as it occurs, in real time with just a few simple clicks. *iLinkx* is ideal for Authorities, Management, and other First Responders. It's a useful tool for conducting maintenance or code compliance testing.

Today's technology offers mobility and *iLinkx* has made that mobility affordable. So the next time you receive a critical signal, simply make a few simple clicks and display it, because life can change in the blink of an i



Fire Alarm Plan – Main Level

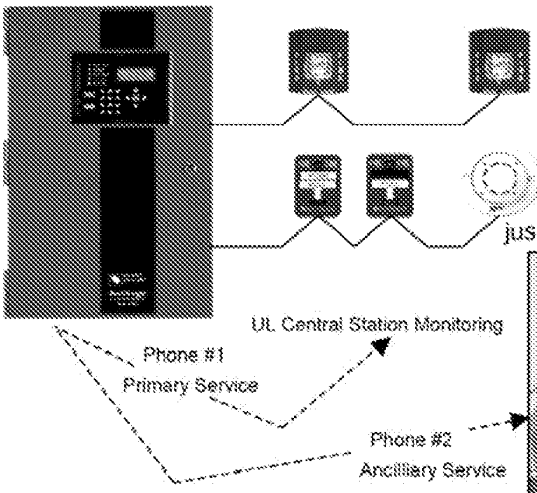
Contact Us: 560 W. Canfield Avenue, Coeur d'Alene, Idaho 83815 Phone 800-788-8016 Fax: 800-788-8017 ilinkx@sprynet.com

- *Fire & Security Alarms*
- *Carbon Monoxide*
- *Hazardous Materials*
- *As-Built Drawings*
- *Emergency Exits*
- *Extinguishers*
- *Hydrant & Stand Pipes*
- *Utility Disconnects*

iLinkx™ LLC

Because life can change in the blink of an i

- *UL Central Station Service*
- *Contact ID Format*
- *Cell Phone Text Message*
- *Browser Compatable*
- *Auto Email Notification*
- *Graphic Display iLinkx*
- *CCTV Video iLinkx*
- *Historical Data Reports*



iLinkx - *Your connection to critical information*

Use your existing network connection and unleash the power to display critical information as it occurs, in real time with just a few simple clicks. iLinkx, is ideal for Authorities, Management and other First Responders. It's a useful tool for conducting maintenance and code compliance testing.

Today's technology offers mobility and iLinkx has made that mobility an affordable reality. So the next time you receive that critical signal, just make a few simple clicks Because life can change in the blink of an i



First Responders:

- *Building Floor Plans*
- *Hazardous Material Locations*
- *Hydrant & Stand Pipe Locations*
- *Utility Disconnects*

Management:

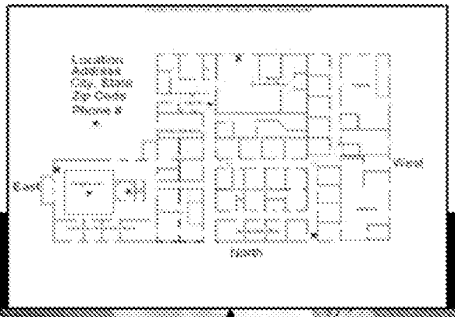
- *Emergency Disaster Plan*
- *Building Floor Plans*
- *Extinguisher Locations*
- *Emergency Exits*
- *As-Built Drawings*

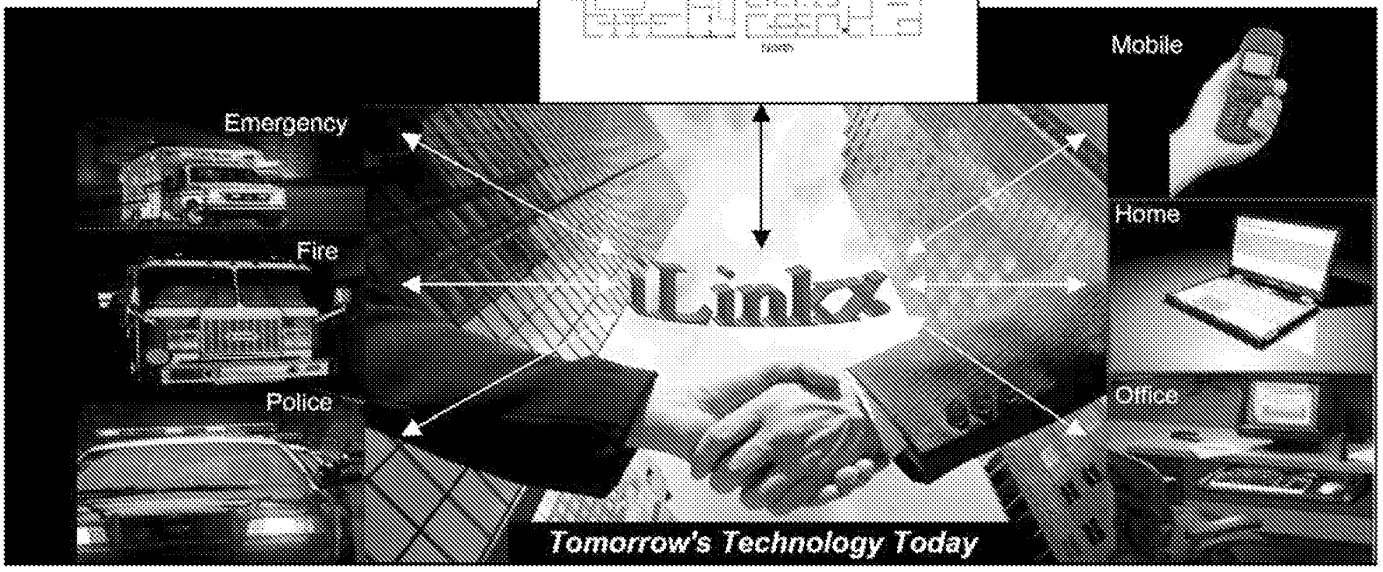
Occupants:

- *Evacuation Procedures*
- *Emergency Exits & Stair Wells*
- *Designated Handicap Safe Areas*

Contact ID Reporting Format

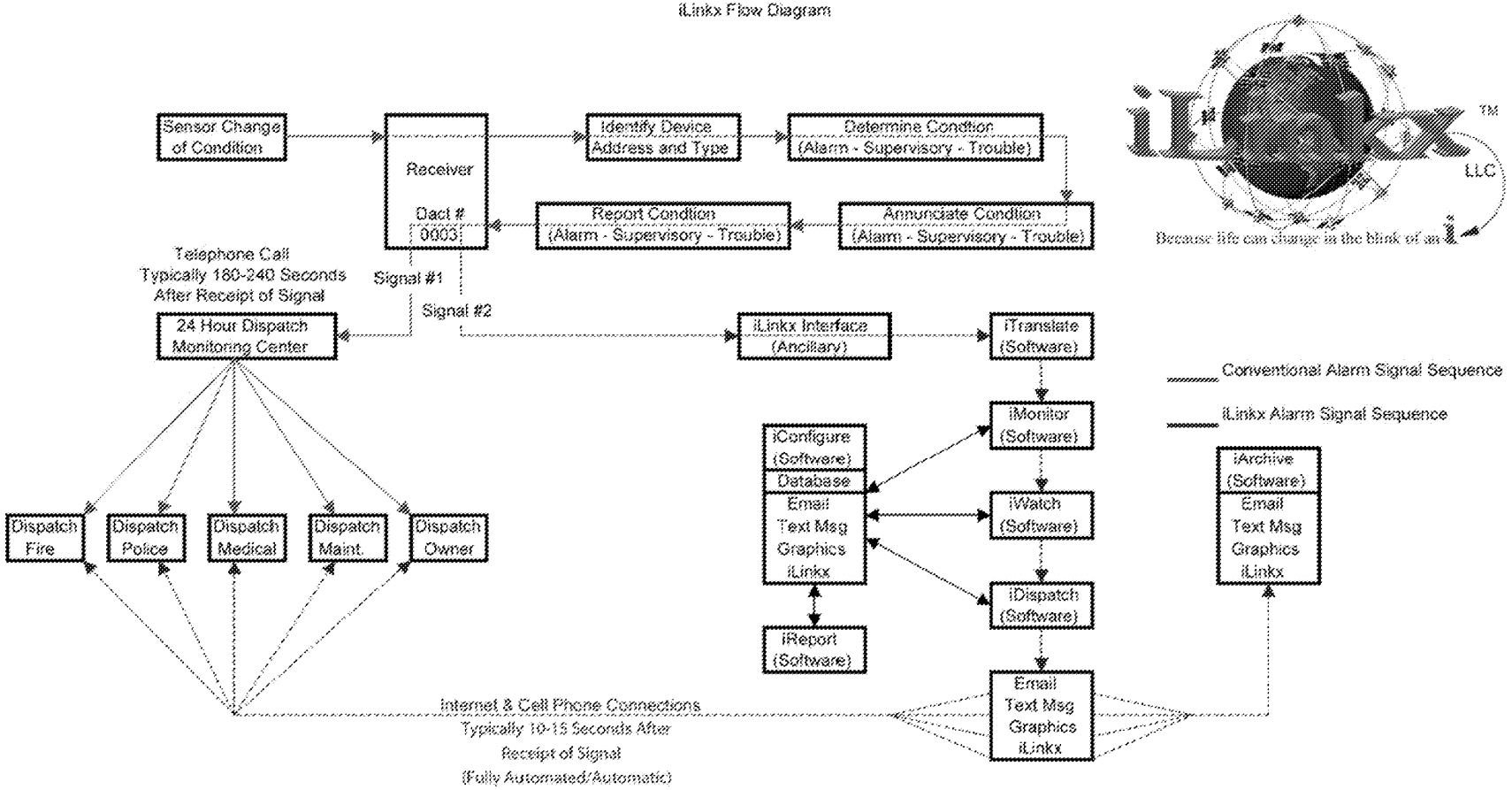
iLinkx, accepts signals from existing systems without the need of additional equipment. Information is processed in an ancilliary form and is automatically distributed to approved users via iLinkx based text messages & emails. Display, print and share that critical signal information with just a few simple clicks. Because life can change in the blink of an i





iLinkx LLC 560 W. Canfield Avenue., Coeur d'Alene, ID 83815 - Ph: 800-788-8016 Fax: 800-788-8017 email: ilinkx@sprynet.com

iLinkx Flow Diagram



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iLinkx™ LLC

Because life can change in the blink of an i

Features:

1) Date & Time Stamped Text Header Line

2) Account Identification Number

3) Device Address

4) Device Type

5) Device Condition

6) Device Descriptor Information

7) Device Encasement

8) Site Address & Information

9) Meaningful Color Device Icons

10) Non-Distorting Color-graphics

11) Customized Graphic Information (Hazardous Material Storage, etc.)

12) Open Protocol Attachment in easy to receive .pdf Attachment

13) Powerful 6400% - 1% Zoom in/out

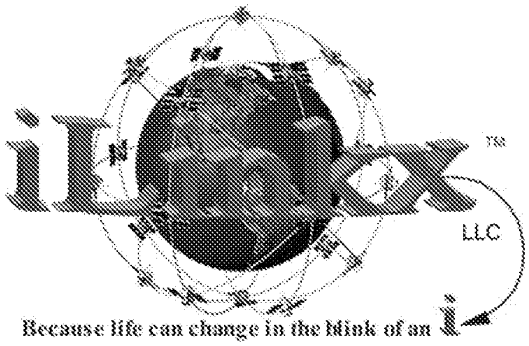
14) Document is editable with Full .pdf version

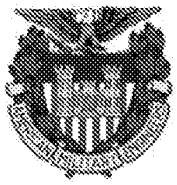
15) Quick Print Document

16) Minimal file size for forwarding and archiving

560 W. Canfield Ave. – Coeur d'Alene, ID 83815 – Ph: 800-788-8016 Fax: 800-788-8017 email: ilinkx@sprynet.com





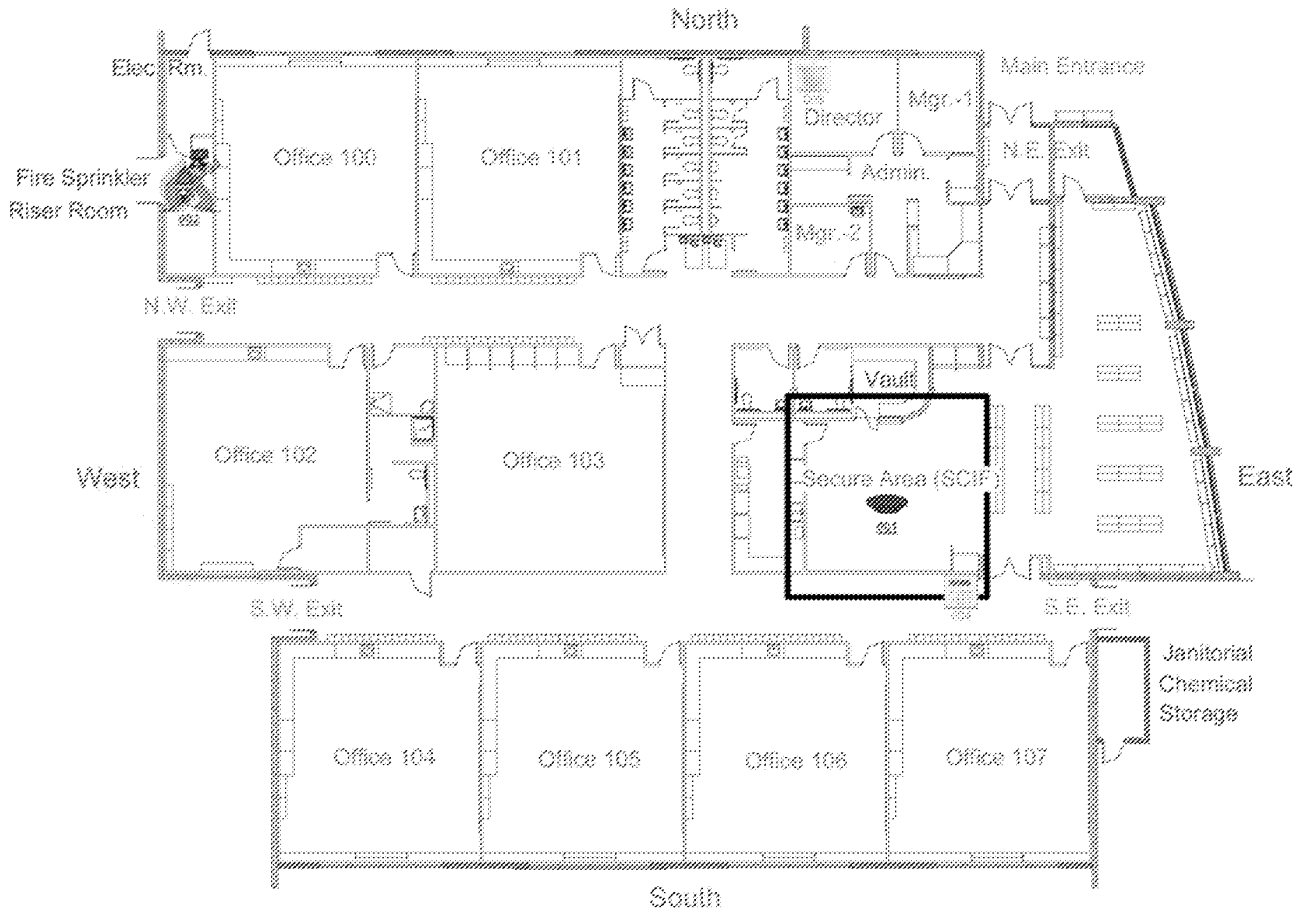


Building 157
001
Photo Detector
ALARM
Smoke Det. Alarm - SCIF Area - SECURED (TS)
010003 - Site Information: Sunnyvale, California - Building 157 Aeronautics Support Center - 125 Trident Street - PHONE: 714-555-xxxx This is a SECURE FACILITY (TS)

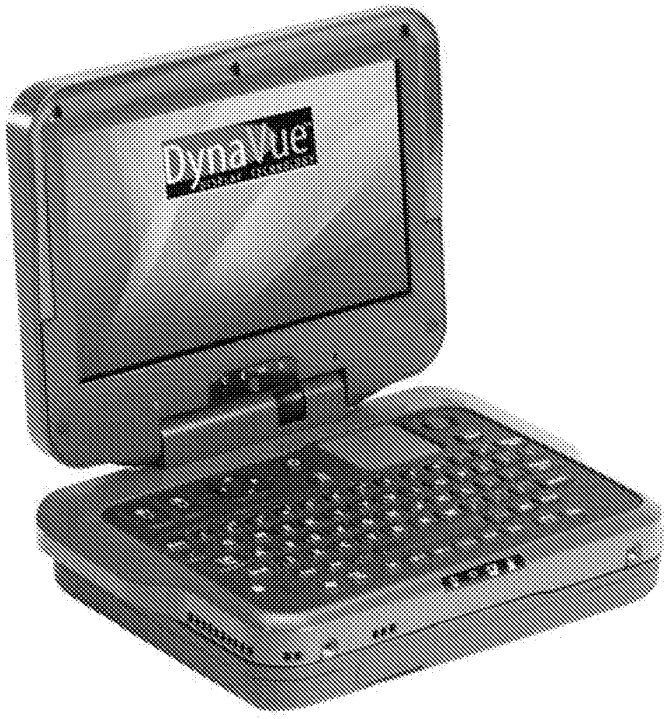
10/28/2009 12:26:21 PM 010003 001 Smoke Det. Alarm - SCIF Area - SECURED (TS)

Site Information:
Sunnyvale, CA
Building 157
Aeronautics Support Center
125 Trident Street
PH: 714-555-xxxx

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Fire Hydrant
1500 GPM
115' From Building



GoBook® MR-1

Fully-Rugged, Ultra-Mobile Notebook

POWERFUL

For Today and Years to Come
- Intel® Core Solo; FSB 533 MHz; 1.2 GHz U1400
- Up to 1 GB RAM

RUGGED

Providing for Computing Anywhere, Anytime
- Meets or exceeds MIL-STD 810F
- Sealed against water and dust intrusion (IP54)
- Magnesium alloy casing and impact absorbing exoskeleton
- Crash-tested for in-vehicle safety

WIRELESS

Unparalleled Performance and Flexibility
- WWAN, WLAN, Bluetooth®, and GPS available all in one system
- Leading edge, high speed data transfer
- Coverage even in fringe areas
- Worldwide HSDPA and EVDO (Rev A) cellular support
- Seamless roaming for uninterrupted coverage
- Standard mini-card for WWAN and WLAN

ERGONOMIC

Built for Rugged Mobility
- Small and light rugged notebook form factor (2.4 lbs)
- DynaVue® *patent-pending* touchscreen display for unmatched outdoor viewability
- Ergonomically designed, sealed keyboard
- Dual navigational options: Touchpad / Micro Joystick
- Intuitive design for easy operation

SECURITY

Unmatched Data and Asset Protection
- Multiple user and network authentication options
- Optional Fingerprint reader, optional v 1.2 TPM, file/folder locking
- Multiple asset protection features

GENERAL DYNAMICS
Itronix

Fully-Rugged, Multi-Wireless, Pocket Notebook... with a Big Ultra-Mobile Attitude!

Designed for anywhere, anytime mission-critical computing, the innovative GoBook® MR-1 notebook is as powerful and rugged as it is ergonomic and portable. The GoBook® MR-1 has an Intel® Core Solo 1.2 GHz processor to give it the power to leverage multi-threaded applications and boost overall speed and performance. The GoBook® MR-1 also features unparalleled outdoor viewability with the *patent-pending* DynaVue® technology.

The GoBook® MR-1 is engineered to include innovative expansion module architecture. The optional expansion modules allow the GoBook® MR-1 to integrate additional functionality into the existing base unit, providing expanded flexibility through added I/O capabilities.

The GoBook® MR-1 offers industry leading wireless capabilities, and can simultaneously deploy four integrated radios – including GPS – for the ultimate in wireless coverage. Designed with data security in mind, the GoBook® MR-1 incorporates secure computing features, including a TPM v1.2 (on optional expansion modules), and an optional integrated fingerprint reader.



GoBook MR-1 Product Specifications

Durability Features:
- Meets or exceeds MIL-STD 810F
- Waterdrop tight (IP54/IEC 60529)
- Die-cast magnesium chassis
- Sealed I/O ports
- SAE J1455 vehicle crash tested (when used with a General Dynamics Itronix certified vehicle dock)

Software:
- Microsoft® Windows® Vista
- Microsoft® Windows® XP

CPU:
- Intel® Core Solo U12
- 1.2 GHz Processor speed
- FSB 533 MHz
- 2MB L2 Cache

Memory:
- 1GB DDR2 DRAM

Video Graphics:
- Up to 128MB dynamically allocated graphics memory

Display:
- 5.6" WSVGA outdoor viewable DynaVue® patent-pending display (1024 x 600)
- DynaVue® exceeds the minimum contrast ratio as required for bright sunlight per DOD-STD-3009
- Integrated touchscreen
- 2048 x 1536 through external VGA port through Mini-Office Dock

Storage:
- Choice of 80 GB or optional 80 GB shock mounted 1.8 in. ruggedized PATA HDD
- HDD heater (standard)
- 32 GB or 64 GB Solid State Drive (optional)

Integrated Wireless Communications:
- Up to 3 RF modems and a GPS receiver can be integrated at one time
- Engineered for maximum radio distance to get maximum wireless coverage
- Superior wireless power management
- MobilityXE™ software for secure wireless access and seamless roaming between your wireless or wired WAN and LAN coverage areas

Wireless LAN (Options):
- Intel® PRO/Wireless 3945ABG 802.11 a/b/g network connections
- 2.4, 5.0 GHz dual-band diversity antennas
- Authentication: WPA and WPA2, 802.1X (EAP-TLS, TTLS, MD5, PEAP, LEAP, EAP-FAST), EAP-SIM
- Encryption: 64-bit and 128-bit WEP, AES-CCME, CKIP, TKIP

Wireless WAN (Options):
- 1xRTT/EVDO or EDGE/GPRS/GSM/HSDPA
- Mini-card WWAN radio modules
- Integrated 800 - 2500 MHz Multi-Wideband antennas

Bluetooth® (Options):
- Bluetooth v 2
- Class II
- Integrated antenna

GPS (Options):
- Fully integrated GPS
- High performance quadrifilar helix antenna

Keyboad & Input:
- Ergonomic 78-key sealed keyboard
- Backlit keyboard
- Localized versions available

Audio:
- Internal microphone and (1) speaker with Intel® High Definition Audio

Optional Expansion Modules:

Legacy Port Slice:
- 1 USB 2.0 port
- 1 RS 232 port
- TPM v 1.2

PC Card Slice:
- PC Card slot
- 1 RS 232 port
- 1 1394a port
- TPM v 1.2

Multi-I/O Slice:
- 2 USB 2.0 ports
- 1 RS 232 port
- 1 1394a port
- 1 Ethernet (RJ45) port
- 1 Wireline modem (RJ11) port
- TPM v 1.2

I/O Interface:
- 2.5 mm stereo SmartPhone headset audio jack
- USB 2.0

Power Supply:
- 6600 mAH (95Wh) Lithium-ion "extended" battery pack
- 8 hours with "extended" battery pack
- GoBook Power Saver for user selectable power management optimization

Enhanced Security & Protection:
- Password security: Pre-boot, Supervisor, User
- Trusted Platform Module security chip (TPM v1.2) – on optional expansion modules
- Fingerprint reader (optional)
- Stealth mode: To boot-up without sound/light emissions

Dimensions & Weight:
- 7.8" (W) x 6.6" (D) x 4.8" (H) (198mm (W) x 168mm (D) x 122mm (H))
- 2.4 lbs (1.11 kg)

Accessories:
- Vehicle Dock
- Mini-Office dock
- AC Adapter & Cord (65W)
- Vehicle Adapter - 11V - 28V (38W)
- External battery charger
- Carry case

Warranty:
- 3 year warranty

GENERAL DYNAMICS
Itronix

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Canada: 2285 Shawmeggate Dr., Mississauga, Ontario, L4X 1W6, Canada • Tel: +1 800 591 5004 • +1 905 672 2000 • Fax: +1 905 672 2008 • Email: sales@gd-itronix.com • www.gd-itronix.com
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ILINKX
SIGNAL RECEIVING & ANCILLARY NOTIFICATION
SYSTEM SPECIFICATIONS

GENERAL:

The iLinkx Receiving and Ancillary Notification System is based on an open market protocol using standard off the shelf hardware and proven application software programs which are comprised of two fully dynamic and integrated components. The first component (Part 1) is the Signal Receiving and Processing Equipment which, through operator intervention and defined procedures, are executed by trained and qualified personnel to accomplish and produce a desired dispatch from the signal or signals received.

The second component (Part 2) is the dynamically integrated Ancillary Notification System which is fully automated and processes its information independently and automatically, to produce the desired dispatch resulting from the signal or signals received, without any operator intervention whatsoever. Systems that do not demonstrate full dynamic integration, in compliance with the requirements of these specifications, will not be considered.

SIGNAL RECIEVING COMPONENT (PART 1)

LISTINGS AND APPROVALS

The system shall be listed by Underwriters Laboratory under Standards 864 (Control Units for Fire-Protective Signaling Systems), 365 (Police Station Connected Burglar-Alarm Units and Systems), and 1076 (Proprietary Burglary-Alarm Units and Systems). The system shall be UL Listed as a CENTRAL and REMOTE SUPERVISING STATION FIRE ALARM SYSTEM per NFPA 72 and as a PROPRIETARYSUPERVISING STATION FIRE ALARM SYSTEM when monitoring inputs other than DACTs. The UL Listing card shall show a (p) for proprietary Fire Alarm (Receiving Unit) under UL 864 category UOJZ.

Each processor controlled system module includes an independent audible trouble signal (watchdog circuit) to indicate microprocessor malfunction. This is referred to as a "Supervised" configuration and is a requirement of the system operation.

Bidders shall provide accurate statements regarding all dimensions, input power requirements, wiring requirements, and all other specifications required to make a complete evaluation of the system being proposed.

The system shall operate reliably in any environment comfortable to the human operator and shall have no special ventilation requirements.

A sufficiently detailed system description, and a detailed drawing shall be furnished with each bid for proper evaluation.

Any variation from these specification requirements shall include a full explanation of all deviations or exceptions taken from the requirements contained within this document on a paragraph by paragraph basis. Bids or proposals that fail to address each paragraph and meet the minimum requirements specified herein, shall be deemed non-responsive and will be rejected.

The Bidder shall be an authorized factory representative for the manufacturer of the equipment and all application software programs specified.

All equipment and application software shall be fully warranted against defects in both materials and workmanship for one year from the date of delivery.

The system shall be configured with the capability of monitoring 9 types of inputs simultaneously without the necessity of adding additional hardware.

1. **(DACT) Digital Alarm Communicator Transmitters**

The system shall receive alarms from Digital Communicators, Radio Transceivers and Internet Provided Interfaces. The following formats shall be accepted: (SESCOA, VERTEX, DCI, FRANKLIN FAST - 3X1), (SESCOA - 4X3), (RADIONICS HEX - 3X1, MODEM IIIa2 and BFSK), (Old ADEMCO, SILENT KNIGHT SLOW - 3X1), (ACRON - 4X1), (SILENT KNIGHT, NAPCO - 4X2), (CFSK, VFSK, SIA - MODEM), (FBI SUPERFAST, SUR-GARD, ADEMCO HI-SPEED, and (ADEMCO EXPRESS and ADEMCO CONTACT-ID - DTMF). The system shall support up to sixteen (16) incoming receiving lines using combinations of dual port serial I/O modules and line card units.

A Line Card Unit shall contain a dual line Digital Alarm Communicator Receiver phone line card. The phone line(s), line card, and communications to the Line Card Unit shall be fully supervised and provide audible and printed indications of failure. Power on, off- hook and line loss conditions shall also be indicated by LED activity on the Line Card Unit front panel. The software shall support a 128-event buffer for unacknowledged events and up to six (6) hexadecimal digits of account number, four (4) hexadecimal digits of zone number, and 64 three-character event codes per account.

The system shall provide sufficient memory to allow the storage of field programmable English text descriptions for all accounts, their associated event codes, and input zones. The system shall allow up to 40 lines of 32 characters each for every account message, up to 4 lines of 32 characters each for every zone message, and a 16-character descriptor for each event code. Field programmable event code tags shall be available to allow prioritizing of DACT alarm events to insure the most appropriate and expedient response. Optionally, a "GROUP TROUBLE ACKNOWLEDGE" function shall be available. This function shall allow the acknowledging of signals, programmed with the trouble event code tag, as a group when activated by a single operator action from the "touch screen".

The system shall allow 24-hour test codes to be programmed for all compatible formats. The system shall have the ability to accept 24-hour call-in for transmitter verification, and annunciate a FAIL-TO-TEST alarm if the call-in is not received. The call-in time window shall be user selectable from 1 to 168 hours. The system shall receive Opening and Closing signals without operator intervention.

The system software shall allow dialer accounts to be put IN and OUT-OF-SERVICE. If an account is OUT-OF-SERVICE, all incoming transmissions from that account will be ignored. When a dialer account is returned to IN-SERVICE from an OUT-OF-SERVICE condition, all zones will be considered restored to normal at the receiver.

The system software shall support a Dialer Account TEST mode. If a Dialer Account is placed in TEST mode, all incoming signals will be printed in the standard alarm printout format and optionally stored in History. However, there will be no display or audible alert to the operator.

The system shall allow up to 500 dialer alarms to be included in the rotating, sequential, alarm display.

INTERFACING

The system software/hardware shall be available without the Line Card Unit to support interfacing with third party digital receivers.

2. The system shall be capable of receiving serially transmitted alarm signals directly or via modems over dedicated phone lines from remote alarm monitoring systems, digital receivers, or Fire Alarm Control Panels. The communication link shall be supervised and, upon failure, the system shall annunciate a communications failure condition. These alarm signals shall be annunciated in a way that is specific to the type of alarm input received. These alarm signals shall be reported on a prioritized basis per UL 864.

3. The system shall be capable of interfacing to radio systems including the RADSCAN AlarmNet 7810 long range radio receiver, the LARSNET RCI3300 and RCI4000, and the Keltron RF7300 – AES Intellinet receiver, via RS-232c. All received alarms shall be annunciated in a way that is consistent with alarms received from DACTs. All field programmable, fixed field, English text annunciation capabilities and outputs shall be supported. It shall be transparent to the operator whether these events were received via Radio, IP or DACT.

4. The System shall also accept all direct connect and multiplex inputs and support all hardware and software outputs of the receiving System. The inputs accommodated shall include reverse polarity, end-of-line resistor, dry contacts, proprietary tones signals, private line or star multiplex and distributed multiplex as well as coded (McCullough) Fire Alarm signals.

SYSTEM OPERATION

When a change in any of the In-Service inputs occurs, the system shall sound the audible alert, display the appropriate message, and print the appropriate message. In order to silence the audible, the operator must touch the ACK control. Touching this shall cause the audible to silence, and the ACKnowledge message to be printed. This message shall remain displayed until CLEAR is touched, whereupon, the system returns to its regular standby operation. If the operator does not touch ACK, the audible shall continue to sound, but no further printing shall occur for that event.

Inputs that are not in the secure condition shall become part of a display sequence. Every 5.0 seconds, one of the inputs which is in an abnormal state shall be displayed. Touching FAST SCAN shall speed this to once every 1.0 seconds. In addition to non-Secure zones, the sequential or rotating display will include a screen for accounts out-of-service and a screen for accounts in test mode.

SIGNAL OUTPUTS

Relay Outputs - The system shall have the capability of controlling up to 96 normally open or normally closed Form-A relay contacts. The relays shall be mounted 16 to a plug-in circuit board and be accessible from the rear panel. Relay operation is to be completely programmable via the plug-in

keyboard, with provisions for up to four (4) relays being energized by one input. The relays shall have a rating of 400mA at 100VDC, 10VA max. The output connections are to be made by means of a 25 pair standard telephone connector for ease of installation. Relay outputs shall be field programmable by event code for each individual account and will be cleared upon operator acknowledgement.

Transistor Outputs - The system shall have the capability of controlling 288 open collector transistors (OCTs). The OCTs shall be mounted 48 to a plug-in circuit board, and be accessible from the central system processor. OCT operation is to be completely programmable via the plug-in keyboard, with provisions for up to four (4) OCT' to be energized by one input. The OCTs shall be able to sink 100ma at 48VDC. The output connections shall be made by means of a 25 pair standard telephone connector for ease of installation. Transistor outputs shall be field programmable by event code for each individual account and will be cleared upon operator acknowledgement.

Auto/Manual Transmitter Output - The system shall have the ability to either automatically or manually transmit a coded signal. There shall be two output relays, and each relay shall be set to any one of sixteen (16) speeds from .25 sec to 4 seconds. The relays shall be rated at 220VDC, 215mA, at 60W max. These coded output relays can be individually set by an internal switch to operate in either Type "A" or Type "B" Mode, with Type "B" mode being defined for Positive Non-Interfering Successive service. The transmission shall be accomplished by either accessing the touch screen for manual output, or by preprogramming individual zone and condition codes via the keyboard for automatic output. Default operational parameters, e.g. speed and number of rounds, shall be set by on-board dip switches which can be overridden by preprogrammed operational parameters for automatic operation. The transmitter shall be a plug-in circuit board that is accessed from the central system processor. Special ALL-OUT and MULTI-ALARM Software applications that transmit specially prefixed coded signals shall be optionally available.

RS232C Output - RS232C ports shall be available which can transmit data upon receipt of an alarm in three modes. Mode 1 will send the 4 lines of the message printed on the internal Dot Matrix Printer. Mode 2 will output the first 10-line display screen from the edited data base message. Modes 1 & 2 shall be printed in 32 or 64 character lines. Mode 3 will output the RS232C data using Radionics protocol to interface to a computer, another monitoring system or a central station automation software package.

Manual Relay Control - As an option, the system shall allow the manual control of relay and transistor outputs by the operator from the Touch Screen. The outputs shall be energized, de-energized, or momentarily energized.

PRINTER

The printer shall have a minimum of 32 columns to allow instructions to be presented in an efficient manner. The instructions should provide a permanent record of an event, including the time and date of an event for recall purposes.

The printer shall allow the dispatcher to have printed messages or sets of instructions, which shall be field programmable. The messages or instructions can be removed from the printer to take to the site of the event for reference purposes

Upon alarm receipt the system will print four fixed lines. The first two lines include an alarm or restoral indication, the account number, a time and date stamp, the alarm receiver number, event code description if programmed, or event code default, and the zone number. The last two lines printed shall be field programmable. They shall be the first line of the account message and the first line of

the zone message. The alarm printout shall be printed in red or black for special emphasis. The acknowledge printout is always black and is the same as the first two lines of the alarm printout, except it indicates acknowledge instead of alarm and prints the time and date of acknowledgement.

For ready availability and low cost, the printer shall be able to use commercially available plain 3" roll paper.

If desired, fanfold paper should be usable to allow collection in a fanfold catch tray.

To assure the permanence of the record, the printout must not fade with time, as is the case with thermally sensitive paper.

DISPLAY

The display shall have "touch screen" operating controls to provide the operator with detailed menu-driven instructions for each operator function and maintenance-free operation.

The display is used to present messages or instructions when an event occurs. The display shall be a cathode ray tube (CRT) at least seven (7) inches in size to allow major details of messages to be presented in a single display.

Character size shall allow the operator to read the display from a distance of ten feet. The CRT shall have an orange or green phosphor screen for lower operator fatigue, and direct etch for glare-free viewing. Video attributes shall be used by the system to segregate the fixed format message display screens. Dialer alarms shall be displayed using a fixed format rather than free format messages as are used for other alarm input types. The event information is displayed in separate fields or areas on the display screen. Some fields shall be mandatory. Other fields shall be optional as programmed by the user.

Mandatory fields include the Account Number, Zone Number, programmable event code, and time and date of event. Un-programmed event codes shall be displayed as received with the word 'CODE'. Programmed event codes will display their 16-character description on the alarm display screen. For SIA and Contact-Id formats, the system will automatically annunciate the event code description.

The system shall allow a total of 296 lines of 32 characters each to be programmed for the account and zone descriptions. The alarm display screen shall allow a total of seven (7) programmed 32 character lines to be displayed. These seven (7) lines shall be a combination of account and zone description message lines. All zone message lines shall display on the alarm and acknowledge screens. The system shall allow a maximum of four (4) zone message lines to be programmed for each zone. This leaves three (3) lines that will be displayed in the account message display window on the alarm screen. At least two (2) lines will be reserved for zone messages, even if blank. The maximum size of the account message window shall be at least five (5) lines. Additional programmed account message lines will be accessible only from the acknowledge display screen. The remainder of the account message shall be scrolled through the account message display window by using the NEXT page and BACK page touch switches.

Unprogrammed account or zone description fields shall be blank. There will be a single alarm display screen for any given dialer event composed of the fixed fields, programmable fields, and the touch screen area.

CLOCK/CALENDAR

The clock portion shall provide military time (24 hour) in hours, minutes and seconds. The calendar shall provide month, day and year. Once set, the calendar shall run automatically with no need to be reset at any time including leap years. A printout shall be made each time the clock/calendar is changed to record that a change was made.

The clock/calendar shall run on 60Hz as available from the power line with its attendant accuracy, averaging less than one second per month deviation. When placed on battery operation, the unit shall automatically switch to a crystal-controlled time base, internally generated, averaging +/- 13 sec/month.

As an option, the system must be capable of synchronizing the real time clock to the National Institute of Standards and Technology (NIST) atomic time standard, via a Synchronized Master Clock from Spectracom or Chronolog Corporation or an approved equal.

MESSAGE CAPABILITY AND EDITING

Messages can be of various sizes. If an average message size is 256 characters, a minimum capacity of 1000 messages shall be provided with the system with expansion to 20,000 messages possible. Each message shall use the message storage area in multiple blocks of 128 characters each, according to its size, to allow for efficient use of memory space. The system shall support a minimum of 3 megabytes of internal memory.

The system memory shall not have to be removed from the system to be erased or programmed. An installer level password shall be required to access system diagnostics which support hardware and memory testing.

Editing shall be accomplished via a full computer-style keyboard. The keyboard can be disconnected without disturbing normal alarm monitoring. Incoming alarms shall interrupt the edit process. After alarm acknowledgement and dispatch, a single control shall be provided to resume the edit process at the point of interruption.

CONTROLS

All controls used in the normal operation of the system shall be long life and non-mechanical.

The controls shall be presented on the face of the CRT. Intersecting that area of the CRT screen displayed as a control, either by touching or by placing a finger or similar object just in front of the screen, shall cause activation of that control. This type of control shall allow multiple uses of the controls area with up to 16 different controls displayed simultaneously. Some indication of control activation shall be provided; either an obvious system action will take place or audible feedback will be provided.

When no changes are being processed, the operator shall be presented with the following controls.

FEED
This shall cause the printer paper to advance.

STOP
This shall cause the display to freeze on the current screen.

FAST
Inputs in an abnormal state shall be displayed sequentially on the CRT screen with a 5 second period. Touching FAST shall cause this period to be 1 second.

NEXT
Touching this control button shall cause the screen to change and display the following control buttons.

DIALER-ACTIVITY
This control shall cause the screen to display a Keypad, allowing the operator to select any programmed dialer account alarm input to the system. All dialer activity status changes shall be accomplished with this control. This includes placing accounts Out-of-Service, In-Service and in Test mode.

DISPLAY MESSAGE
This control shall cause the screen to display a Keypad, allowing the operator to select any alarm input to the
system, and to display its programmed display message.

SET CLOCK
This appears only if the key switch is enabled. This control shall cause the screen to display a Keypad, allowing the operator to set the date and time.

PRINT MESSAGE
This control shall cause the screen to display a Keypad, allowing the operator to select any alarm input to the system, and printout its programmed print message.

PRINT
This shall cause "PRINTER OK" plus "TIME & DATE" - to be printed.

LIST
This control shall cause the printer to list the account numbers and the total number of accounts both Out-of-Service and in Test mode.

CLEAR
This control shall cause the display to return to normal display sequencing.

RETURNING TO THE NORMAL DISPLAY SEQUENCE:

STOP
This shall stop the sequential display to allow examination of a particular message. Also, this shall cause the touch area beneath the displayed message to change to include:

CLEAR - This returns the display to its normal sequencing routine.

FEED - This control shall cause the printer paper to advance.

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When a change of state occurs, the audible alert sounds and the appropriate messages shall be printed and displayed. Also, this shall cause the touch area beneath the displayed message to change to include:

ACK - Touching this shall cause the Acknowledge message to be printed and displayed and the audible to be silenced. This screen shall also display the FEED control button. After ACK is activated, the screen shall change and display the CLEAR and FEED control buttons.

SOFTWARE OPTIONS

HISTORY - A battery backed internal RAM storage facility in which to automatically record all operations performed by the Receiver shall be provided. Accessibility is menu driven from the keyboard. A minimum of 4080 events shall be provided per single storage facility. Expansion to 16,352 events shall be possible by adding additional memory capacity and a software upgrade. An external computer shall not be required. Actions recorded shall include Alarm Activations, Restorals and Acknowledgements, In/Out Service functions, Clock Set functions, Master Clock failures, Edit sessions, AC loss alarms, Communication failures, and all System Supervisory alarms. The history record shall be printed or displayed in its entirety, or sorted by account, time, type, priority, and date or in any combination thereof.

The system shall be connected to a PC either locally or via modems. A password will be required to permit system access. This connection shall be for the purpose of database backup, restoral, creation, editing, archiving, printing, or remote programming. This connection shall be transparent to the operator and must not affect alarm receiving in any way.

EDITOR PASSWORD - The system shall be capable of providing password protected database access. This shall limit access to the programmed message database to authorized personnel.

BACKGROUND ALARM PROCESSING - The system shall provide the ability to permit alarms from a remotely monitored location to be passed through an operating system on the way to their final destination without operator interruption. If the signal transmission path is interrupted, the last system before the point of interruption becomes the dispatch location.

CALL ASSURANCE CHECK-IN - Optional software shall be available for institutions such as Assisted Living Facilities. The purpose of the "Call-Assurance Check-in" software is to reduce staffing requirements, by automating the supervision of these people who shall be self-reliant, but require daily confirmation of their physical and mental well-being due to their age, physical condition or mental health. With this system, the residents shall be required to manually activate a signal to the receiver. Reception of proper check-in signals on enabled accounts is normally transparent to system operators. The receiving system's receipt of the correct signal validates the monitored persons "up and about" status. The absence of this signal within a predetermined time period will be treated as an alarm. An exception report, containing those accounts that have not yet checked in, is printed automatically upon expiration of the predefined time period. This alarm event printout signifies the need to physically check on those persons who have not yet reported in that they shall be "up and about".

FT-OPTION - The system shall be capable of dedicating any or all operator's consoles to receive a particular alarm type. The Central System Processor, when equipped with a video display, will annunciate all alarm types. The fire alarms shall go to a particular operator's console at the Fire Department, and the Burglary or Hold-Up alarms shall go to a separate operator's console at the Police Department. In the unlikely event of a system failure all alarms will be annunciated on the operational operators console without regard for the FT-Option.

OPERATOR LOG-ON/OFF - The system shall be capable of providing operator accountability by requiring the operator to LOG-ON with a unique password before alarm acknowledgements will be accepted. LOG-ON/OFF activities shall be recorded in the optional system history file.

NETWORKED SYSTEMS - The system shall be capable of supporting the connection of multiple system processors with alarm receiving and dispatch capabilities. Also supported shall be redundant databases with automatic updates between locations and cross-acknowledge functions.

PHYSICAL DETAILS
The Dialup phone line inputs shall be connected to the line card that is cable connected to the central system processor unit. A standard telephone connection shall be used at the system.

The panel operator's unit shall be inclusive to all operators' functions. The panel operator's unit shall run on 24VDC, filtered, regulated power. The power supply shall be mounted remotely from the panel operator's unit, and shall be powered by 115VAC, 60Hz, and provide terminals to float-charge a pair(s) of 12V solid cell batteries. The batteries shall be supervised and an output provided at the power supply for a no/low battery condition. If AC input power fails, the panel operator's unit shall run on batteries without interruption, and an audible alert shall sound indicating battery operation. Any system AC power failure shall cause a supervisory alarm at all panel operators' units as well as at the central processor, if equipped for annunciation.

All phone line inputs will be connected to the central system processor. The central system processor shall be available with no display, a video display, or video display and printer. A maximum of four remote operator's consoles can be provided per system. The operator's console(s) and central system processor will communicate via RS422 for distances to 4000 feet, and via modems for further distances. Operator's consoles will be available with video display only, or video display and hard copy printer. Communications between the processor and the operator's consoles shall be supervised and provide visual and audible indications of failure. System programming shall be accomplished from any operator's console or the system processor with the display option.

Auxiliary Functions
When the paper supply becomes low, the screen shall so indicate by displaying PAPER LOW in the lower right hand quadrant. In addition, the audible alert shall be sounded briefly once per minute. The FEED button becomes an "E" control, which when activated permits access to printer feed and print commands. When the paper supply is exhausted, PAPER OUT shall be indicated, and the alert will be sounded as for PAPER LOW. In this case, no further hard copy record will be available until paper is replenished. Events to be printed will be stored and then printed when the paper is replaced.

Should the printer become jammed, the words HEAD JAM will be indicated, and the alert will be sounded once per minute.

OPTIONAL HARDWARE

Any system module with a CRT Display screen shall be capable of driving an external video monitor via a 75ohm coaxial cable to provide a redundant display only, no controls.

The system shall be capable of interfacing to external line printers via RS-232c, RS-422, or modems. Operating modes one or two shall be selected as well as 32 or 64 character lines. This option shall be added to the operators' consoles or the central processor.

The system shall be capable of transmitting alarm event data to alphanumeric pocket pagers via either an on-site system or off-site commercial paging system provider.

The system shall be capable of interfacing to Central Station Automation Software, PC GRAPHICS, and Computer Aided Dispatch Systems.

The system shall be capable of supporting redundant system processors. The system shall provide a seamless, automatic, switch over function with no loss of account and zone status or database information in the event of primary processor failure.

Life Safety Event Management Software

The system shall provide detailed information and specifications for a single and multi-user life safety event management automation, graphical display, and dispatch system including all required hardware and software. The software enhances the functionality and utility of the alarm receiving systems or third party alarm receiving and monitoring systems.

The life safety event management system integrates proven reliable alarm monitoring systems with state-of-the-art computing technologies to dramatically increase the capabilities of life safety organizations. The system shall provide a highly efficient access to information that shall enable fast and accurate response to life safety situations.

A reliable and versatile Windows-based system combines the most valuable features of central station automation and graphical display software for fire alarm panels, with proven alarm receiving technology to produce a system that meets the mission critical needs of today's life safety industry.

System Architecture - Performance

The system is designed to provide high performance and quick dispatch. The dispatch functions shall be separated from database maintenance and monitoring functions to minimize the impact of administrative requirements on the dispatcher while providing a high degree of security and reporting information to the systems administrator and managing stakeholders.

The modular design of the system architecture makes it robust, scalable and extensible. Modular design shall enable specialized software components to perform specific functions efficiently, quickly and accurately without interference from unrelated components. The architecture is built on a standard operating system, using known interfaces and connection methods, with extensive network and printer support.

The central core of the software architecture is the Event Manager module. The primary function of the Event Manager is to maintain the list of active events and alarms and control access from competing client modules. It shall provide continuous backup shadowing to preserve the latest state of all active events in the unlikely event of system interruption.

The Event Manager module acts as a server for various client modules that can originate, manipulate, or display events. Because it has no database connections and very little dependency on system resources, it is very robust, very efficient and very small. Even when under a load of several thousand alarms, it consumes a small fraction of system resources.

To ensure reliability, and minimize the dependency of any specific function on system resources, individual client applications perform different functions, independent of one another. Examples include:

1. Receiver clients provide the interface to external alarm receiver hardware systems. They manage the unique requirements of the communications link and protocol, isolating these details from the rest of the system, and provide complete event information to the event manager. New receiver clients can be developed with no impact on the Event Manager or any other client module.

2. Supervisory Clients perform specific background tasks such as monitoring periodic device check-in, logging alarms, and monitoring disabled devices and recording events to history
3. User Interface Clients, like the dispatcher, shall be designed to be intuitive for the user.
4. Interconnection Clients connect multiple redundant system functionality.

The clients shall communicate with the Event Manager through a single, well-defined interface. This interface shall provide the same functional connection whether the Event Manager and the clients reside and run on the same machine or on two machines separated by thousands of miles.

System Features

The system shall be capable of receiving alarms from a wide variety of standard industry technologies including active network and long-range radio, star and distributed multiplex style inputs, digital dialers, direct connects, and coded signals. It can also accept alarm inputs directly from industry-standard alarm receivers. The system shall enable fast and efficient communication to the server by providing a customized, ODBC-compliant database that facilitates efficient, accurate alarm dispatching and tracking. Color-coded alarms and custom audio/visual indicators enable instant recognition of the nature and/or severity of an event. Full graphic capabilities enable the user to import graphic files to enhance the dispatcher's speed and accuracy and blinking icons that quickly identify the devices in alarm.

The system shall include an integral history reporting function for analyzing historical trends and tracking false alarms. Powerful and flexible search capabilities enable systems administrators to locate and segregate information by entering one or more key words. The standard, open systems database shall enable the administrator to employ third-party reporting tools to provide custom reports when necessary.

The system Server, shall be a dedicated, rack-mount or tower, high-performance server, forms the core of single- or multi-user systems. Stand-alone or rack-mount PC workstations use a standard Windows-based operating system and components to provide sufficient resources for all installed applications.

The system shall provide an advanced Intel Pentium processor, an 8.4-inch diagonal TFT color display with an optional easy-to-use touch screen or familiar keyboard-and-mouse operation, and an optional quiet thermal printer with automatic take-up.

Mounted in a standard 19-inch rack, the workstation is configured to fit a wide variety of dispatch consoles. External video and printer outputs shall be available to easily incorporate industry-standard printers and large-screen displays. The LAN interface shall enable operator workstations to be networked together with the server.

The expanded networking capabilities enable multiple users to access the system simultaneously with varying levels of privileges to perform many tasks such as maintaining customer account information, reviewing event history and active, on-line alarm dispatching. Internet accessibility is also available for feature additions or remote diagnostics.

Functionality

The system shall provide unique features that meet the wide variety of requirements inherent in the life safety market. The system engineers and product managers shall maintain an extensive schedule of software enhancements shall be generated through ongoing customer and market research.

Supervisory Functions

The supervisory function monitors a variety of types of alarm and system activity including periodic device check-in, out-of-service and test service mode settings, receiver interface communications link integrity, and system status, such as logging, ticket or report printer availability and status.

When the system detects a problem in these areas, the problem is reported to the operators as a supervisory alarm, and includes a detailed description of the out-of-normal condition.

In addition, the Supervisory Client station shall provide event logging and history recording services.

Rotational display screen

The system shall provide a view of all active events by continuously displaying these events at five second intervals. This ensures that unresolved issues shall not be lost or forgotten.

Unlimited accounts

The number of alarms accepted by the system is restricted only by the limits of the computer hardware.

Automatic signal prioritization

The life safety event management software shall automatically prioritizes all alarm signals according to UL standards using programmable event classes.

System response modes

The system shall support programmable response modes including:

1. User - for full system control
2. Auto-log - to alleviate operator interaction
3. Ignore - for automatic discard of received events

Operational and disable modes

The system operator shall set the service mode of any connected panel or device to active, out-of-service or test mode.

In active mode the system will annunciate all events from the panel and its devices, according to the default or programmed colors, sounds and display tab preferences. In out-of-service mode, events a shall be tracked and recorded by the system but not reported to the operator. When a panel or device is returned to active mode from out-of-service mode, its last recorded status will be reported to the operator if the device is not restored to normal. When a panel or device is returned to active mode from test mode its last recorded status will not be reported to the operator. Disable modes will have a selectable duration and will automatically lapse or shall be manually cancelled by the operator.

Group acknowledge

The 'group acknowledge' function shall enable the operator to batch acknowledge a group of low priority events such as trouble and restore events, so that higher priority events can be managed expeditiously.

Swinger Suppression

A 'swinger' is an alarm input that constantly toggles between normal and off-normal states presenting hundreds of identical events to the system for processing and operator interaction. The system shall provide a swinger suppression function that prevents the operator from being overloaded with such a huge number of alarms that effective response is impossible. It prevents exhaustion of system resources, even if the system is left unattended for very long periods of time, by reducing the number of spooled printer jobs, and reducing the size of the backup shadow file.

This feature prevents operator frustration and overload by reducing the workload to manageable levels. Thousands of swinger events shall have occurred, but the operator need only respond to the two initial alarms. Swinger suppression prevents the system and operator overload problems by accumulating repeating events together in a single compact form.

When the first trouble event comes in and generates an event on the screen, the system shall sound the audible alert, displays the pending alarm banner, and prints an event record. When the second signal from that alarm is received, if it's the same event code from the same device, no new alarm is generated. If it's a different event from the same device, a new alarm will be generated, printed, logged and, if it is a higher priority (e.g., a fire vs. a trouble) it will take over the pending display.

If the device keeps going back and forth between the trouble and alarm condition, no new pending alarms shall be generated, thus the operator only responds to the pending fire and trouble events.

The history tab shows several pieces of data on that event:

1. The first occurrence of the event
2. The most recent occurrence of the event
3. The number of times the event reoccurred
4. A detailed audit history of the event

After one swinger alarm has been acknowledged, the process starts all over again: the next occurrence of an event will generate a new alarm in the system, but further occurrences will, as above, accumulate into that pending alarm.

Storm mode

Setting the system to 'storm mode' allows certain events, such as those caused by severe weather, to either be auto-acknowledged or ignored for the period of time the system is in this mode. Non-restoral events shall be maintained in rotation until cleared by restoral signals or manual deletion. At the end of this time, the system automatically reverts to normal operations.

The systems administrator can define which classes of events will be affected along with the automatic expiration period for storm mode.

Sounds

Audible (.wav) files shall be imported into the database and linked to incoming alarms for automatic operator notification.

Printing

The system shall use any Windows-supported local or networked printer for the following functions:

Logging - logs every incoming alarm and its acknowledgement with a brief, multi-line line entry. system shall employ line-oriented, impact or thermal printers for this application.

Ticket printing - prints a single page of information about a specific event. A site shall use either line printers or page printers. Ticket printing is a summary of the dispatch information available on different tabs on the screen. It includes the 'banner', i.e., the alarm type, consolidated location summary and time of occurrence, location, personal contact/key holder information, instructions, site location and info, subscriber and locale name.

Report printing - supports printing the hardcopy output from History Editor, Monitor or third-party applications such as Crystal Reports. Either line or page printers can be used, though laser page printers produce higher quality output in shorter time.

Default operation for un-programmed events

The software shall provide full support for an intelligent, operator-friendly display of events arriving from un-programmed sources. The software supports intelligent message interpretation of a variety of industry-standard message types, including Ademco - Contact ID format, direct-connect, distributed multiplexer formats, radio formats and SIA-compliant formats, and understands more than a thousand different messages and variants.

MSI, Ex. 1033, p. 263

When the system is installed, it not necessary to perform extensive programming in order for the system to be immediately usable for operators. When the system receives a message from any of a variety of industry-standard signaling devices, an intelligent interpretation and display of that event is displayed for the operator. Only the physical location of the monitored system must be programmed.

To facilitate quick event response, instead of presenting obscure event codes, the system clearly displays the nature of the events in prioritized hierarchy. Further programming shall add important functional capability, such as site- and device-specific instructions, customized graphics and audible alerts.

Multi-user features - Remote access

The system shall provide remote access through standard networking protocols over high-speed TCP/IP links. Remote workstations provide the same level of functionality as the host seat, limited only by the system access privileges that shall be determined on an operator-by-operator basis. Open networks employ a recommended hardware router for secure network communications.

Remote stations can be used not only for regular dispatch access, but for system administration and configuration, as well as history maintenance, auditing and reporting.

Security - Operator Privileges

To increase security and ensure compliance with published policies and procedures, the system shall provide multiple levels of privileges for operators, users, guests and administrators. For example, operators shall acknowledge and resolve events but not clear them from the system, or a user must have a given level of privilege to access the history tool.

Dispatching

The system shall provide a main dispatch screen displays all the critical information a dispatcher requires to expedite event management. The system immediately displays the most critical and basic information, with extended support information only a single click away.

Basic dispatch information includes the nature of, location, time and date of the event. Extended information includes complete site description and location information, detailed dispatch instructions for the monitored site, call and contact lists, graphic display information including maps and floor plans showing the exact location and the nature of the alarm, photographs and diagrams, account information, and details that shall be used in diagnosing faulty or run-away devices and managing defend-in-place or hazmat situations.

When an alarm is acknowledged, a programmable dispatch tab appears. Normally, the dispatch tab is displayed showing instructions, location and contact information. This setting does not limit access to the other tabs - the operator shall access any tab by clicking it.

Rotation events shall be programmed to appear by class. Rotation retains the last state of the device. Normally, the system retains all off-normal states including both **Alarms** and **Troubles**. **Restores to Normal**, under these conditions, clears an off-normal event from rotation.

Dispatch Operation

The operator log-in function shall provide an audit trail to track and analyze the alarm monitoring and dispatch function.

The system shall provide an acknowledge screen upon receipt of an event. This first screen displays the nature and location of the event with a programmable color background and a programmable audio component to alert the operator to the type of event.

The second screen that is displayed after operator acknowledgement is the dispatch screen. This screen shall provide detailed information on the type of event, location of the event, and the

recommended response steps and procedure. The system shall be programmed to display prioritized contact information.

The dispatch screen shall provide user access using either a keyboard/mouse or touch screen-activated tabs to the other types of informational screens available to the operator.

1. The 'dispatch' tab returns the operator to the initial dispatch screen.
2. The 'maps' tab shall provide access to graphical depictions of the location and type of event.
3. The 'site' tab shall provide access to information identifying the actual physical location of the monitored system or building and any critical information pertaining to that location such as hazardous materials and any other data specific to that site.
4. The 'notes' tab shall provide the operator with the ability to maintain a running real time record of all action taken and reported in response to the received event.
5. The 'details' tab shall provide the operator or technician with the technical information pertaining to the type of alarm, receiving technology and pertinent notes for that alarm.
6. The 'history' tab shall provide the operator access to the history of that specific event including the event ID, raw event data, time of receipt, time dispatched, source, operator, how many times it was received, and time resolved.

The universally familiar Windows tool bar at the top of the screen shall provide access to the file, service mode and search, event, tools and help pull down menus.

1. The file menu shall provide access to login and logout functions.
2. The service mode menu shall provide access to panel and device control for disabling and enabling alarms.
3. The search menu allows database search by all fields.
4. The tools menu shall enable manual alarm entry and storm mode activation.
5. The help menu shall provide full on-line user documentation.

The operator shall click on the 'alarms pending' window at any time to see list of all events that have been received and shall be pending operator acknowledgement. The operator will see the event priority and shall select an event from the list for acknowledgement, dispatch and resolution.

All resolved events shall be accompanied in history by an operator selected resolution code. This code aids in historical trend analysis.

Programming

Use of the configuration database maintenance application requires the user to log in with a recognized password and privilege level. Logon privileges, as set by the system administrator, determine the level of access to the systems database.

Existing sites or accounts shall be updated or added using the configuration database maintenance application.

The system shall provide the ability to add extended site information such as contacts (key holders, supervisors, and other related personnel), site-specific instructions, detailed explanatory notes, and warnings. In addition, the user shall import and associate graphic images such as maps and floor plans that illustrate this information and can help the dispatcher to quickly and accurately respond to an event.

The system supports programmed receivers, locales, device templates and event categories. Some of this data is pre-configured from the factory. Other data is programmed during the initial setup.

The receiver object is supported by receiver interface software clients. The receiver object shall provide a programmable tab displays such as general, configuration, and locales.

The locale can be associated with a physical entity or several physical entities as well as with a single receiver or multiple receivers.

The user shall be able to add information about the hardware devices that are monitoring that site.

All access to and control of the database maintenance application is provided through two methods: the navigator, which shall provide a graphic-oriented hierarchical view of the database, and the menus. While many functions can be accessed either way, there shall be some that shall be only available through one method.

For those functions accessible by both, the choice is a matter of convenience or preference. Accessing elements of the database is general and not constrained by how the various elements and layers relate to one another. For example, it is easy to use the search menu to find any device in the system, whereas it shall be simpler to find a device belonging to a particular site using the navigator.

The navigator window is divided into two 'panes'. The left pane shows a hierarchical directory of the database. The right pane displays the detailed contents of each layer selected from the hierarchical directory.

The left pane of the navigator is the Navigator Directory, displaying each level in the database hierarchy. Required for programming a device is an icon and a label for Receivers, Locales, Subscribers, Sites, and Devices, as well as entries for Service Companies, Event Categories, Contacts, Authorities, Operator Groups, Operators and Device Templates. Click any of these and the right window displays the contents of that level.

The Navigator Directory shall provide quick-access functions including; add, search, expand and collapse.

The database maintenance application shall provide a comprehensive menu of functions to provide access control, set display mode, search for items or add new ones, and configure different aspects of the system.

The menus include: file menu, view menu, search menu, new menu, and tools menu.

1. The file menu shall provide the exit function.
2. The view menu shall enable the programmer to choose from iconic, list or detailed viewing of the right navigator pane objects.
3. The search menu shall enable the operator to search for any editable database object.
4. The new menu shall enable the programmer to add an object to the database.
5. The tools menu shall provide dispatch options, printer, storm mode and group dispatch setup.

To add a new site or account to the database, the user should have the following information readily available:

1. General information for the site or account such as the name/description, the account number (if any), physical address and site telephone number.
2. In which Locale the site is located.
3. The type and identification number, account number or hardware address of the hardware that is used to monitor the site; for example, the particular model of radio transceiver or the connection point for a direct-wire device.

4. Optional contact information such as key holder name and phone numbers, graphics information such as maps or floor plans, subscriber information and if the site is one location of several under a single subscriber.

The maintenance application shall enable the user to ***pre***-program general support information before adding information for specific signaling devices. Examples include objects such as:

1. Service companies
2. Operator groups and individual operators
3. Event categories
4. Device templates

Each of the major entities in the database (Locales, Subscribers and Sites) shall provide the option of programming a designated service company - the organization responsible for installing, maintaining and upgrading the equipment and systems.

1. The **Locale** object supports authorities, service companies, notes, sites and contacts programming.
2. The **Site** object shall enable general, device, contact, graphic, instruction and note tab programming.
3. The **General** tab allows the programming of information such as address, with locale, service company and subscriber fields being selectable from a list and filling the appropriate field automatically. The site name and ID shall also be programmed on the **General** site tab.
4. While the **Site** represents the monitored area, the devices provide the association between physical messages from a remote sensor and the high-level information about the site.
5. The **Contacts** tab shall enable the programming of call lists and selection of a primary person.
6. The **Graphics** tab shall enable the user to associate graphics such as maps, floor plans or images with the site. The number of graphics that shall be associated with a device is unlimited.
7. The **Instructions** tab shall enable the user to enter site-specific instructions to be displayed to the operator when an event occurs at the site.
8. The **Service Company** entry supports programming entry tabs of clients, contacts, and notes.
9. The system allows devices to be added and shall provide general, zones, event codes, icons, and instructions tabs.
10. Zone information shall come from a template or be programmed individually for each device.
11. The **Event Codes** tab shall provide the connections or mappings between the device's low-level hardware event codes and the pre-programmed event categories.
12. The **Icons** tab shall enable the user to place icons on the graphical images.
13. The **Event Categories** entry generates operator-friendly, comprehensive actions in the database.
14. The **Instructions** tab shall enable the administrator to enter detailed instructions that shall be specific to the device being programmed. The instructions will be displayed along with the event category instructions when the device signals an event.

The system shall allow the user to program direct connect devices as zones. The supported programming tabs shall be general, event codes, icons, and instructions

The **General** tab supports device ID, template selection, site, receiver, location, and zone.

The system shall enable the user to program the subscriber object. The supported programming tabs shall be: general, sites, contacts and notes.

The system shall provide multiple levels of access privileges through the use of operator groups. Each operator group can be assigned different levels of privileges. Individual operators can be added to operator groups, and shall be given the privileges of that group.

The system supports multiple operator groups, each with its own privilege mask combinations.

The system supports the programming of default behavior in response to received events including sounds and colors.

The system shall provide device template architecture. This shall enable the user to program a complex panel or device model only once. Adding new customer accounts using device templates is very fast, efficient and reliable. These features substantially reduce programming time and programming errors all of which minimize setup costs.

The user can easily change global device behavior, such as check-in-times, on multiple devices by changing the device template, reducing ongoing maintenance time and expense.

Template behavior shall be overridden partially or totally for account- or zone-specific behavior through account and zone programming, without invalidating existing templates.

Database

The system includes an ODBC database that shall enable ANSI-compliant SQL access.

Schemas shall be public and published.

An XML importer is functional, to allow the user to import other databases.

The system supplier shall provide online utilities for database maintenance such as backup/restore, version upgrades, and like functions.

Graphic Files

The system shall support multiple graphic file formats. Files shall be attached to an incoming alarm and linked in a hierarchy so navigation, can be performed by the operator. This shall enable the system to receive an alarm and automatically display a street map and/or subsequent graphics of the building, wing, floor, room, and finally to the device icon.

The following file types shall be directly imported into the system:

1. .BMP, .RLE - Windows bitmap graphics files
2. .GIF - Graphics Interchange Format files
3. .JPG, .JPEG - Joint Picture Experts Group format files
4. .PDF - Portable Document Format
5. .WMF, .EMF - Windows graphics metafiles
6. CAD files must be 100% transparent and compatible with these file formats.

The system application software shall support multiple hierarchical graphic images creating important instruction and/or images:

In an emergency situation, multiple hierarchical graphics shall provide the dispatchers with the most accurate and efficient method of understanding the physical situation of an event. This approach to graphical file presentation shall be full dynamic and not put any additional burden on the operator to manage a graphics environment while in the midst of managing with mission-critical events.

The system's graphic structure shall enable the administrator to provide a mix of images: beyond the normal maps and floor plans, the administrator can include photographs of attending personnel or of specific areas, providing the facility optimal flexibility and versatility.

Using dedicated images also minimizes system resource requirements.

Monitor application

The Executive Monitoring utility shall provide the site administrator or supervisor with a way to monitor basic system activity and status from any appropriately-configured local or remote workstation computer. This function shall be available only for monitoring the system status and shall provide no means to directly modify events.

The monitor utility shall provide a display of the following important system activities and states:

1. Active events: all currently active events shall be displayed. Separate windows provide displays of all new, pending, in dispatch, on hold, resolved and in rotation events. Any event can be selected to display the details associated with the event, including extensive site-specific information.
2. Disable devices and zones: Any device which is placed in out-of-service, test or other disable modes is displayed, along with site information and expiration time.
3. Operators: a window displays all logged on operators by operator name, system name and log-in time.

History

The system shall provide full history recording capability. History data is stored to an ODBC-compliant database separate from the main configuration database to minimize impact on the main database resources. This allows the databases to reside on physically separate volumes.

The history system records the following important system events:

1. All real-time events, such as alarms, troubles and restoral's originating from real devices through event receivers
2. Operator-generated manual alarms
3. System-generated supervisory events such as missed check-ins, receiver communications failures, printer faults, etc.
4. Device service mode changes
5. Operator logins and logouts

Where appropriate, a complete history for each event state change, such as acknowledgement, resolution and eventual removal is captured, including details of when the transition occurred, and the operator responsible.

History editor

The system shall include an online history editor and viewer application that shall enable the user to instantly view the contents of the system's history database. Functional features shall include:

1. Search on different criteria, such as locale, subscriber or site name/number, event type, current event status, and dates
2. Sort event display on any displayed attribute
3. View event details of any selected event
4. Add short notations to events (requires appropriate operator privileges)
5. Add updated or final resolution of events (requires appropriate operator privileges)

6. Print a report of selected and sorted events on any networked Windows-based printer. Operator shall choose to print all or just selected events.
7. Erase selected events from history database (requires appropriate operator privileges)

System configurations

The system shall be available in a range of configurations to meet the individual needs of different facilities. These configurations shall be combined in a variety of ways to allow system configurations for alarm monitoring applications ranging from single-package, single user stand-alone or rack systems to full receiving rack-based servers supporting multiple operators over secure LAN and WAN connections.

Systems that are installed on an open network shall be configured to include routers/VPNs at each access point, so as to protect the system from unauthorized access.

System hardware and operational specifications

Standard hardware includes:

- 4U standard rack-mount chassis with integral, dual, hot swap, 400 watt 120/240 VAC power supplies
- ATX form-factor motherboard
- Dual Quad Core Processors
- 8GB of memory, expandable to 32 GB
- SVGA or better display system
- 10/100 LAN Ethernet port
- 10 USB 2.0 ports
- Wireless keyboard and mouse interface
- One parallel port (rear)
- Multiple serial ports
- Internal 3 TB high-capacity disk storage
- 2 - Integral 52X CD-RW drive
- Built-in 8.4" high bright LCD (300 nits)
- Rack-mount keyboard/mouse shelf
- Redundant high-performance, high-reliability SCSI-III multiple-drive RAID configuration with real-time background data shadowing.

ANCILLARY NOTIFICATION COMPONENT (PART 2)

iTranslate

The iTranslate software module shall upon receipt of a signal, translate the format in which the signal was received to determine the designated account number, the specific address of the device sending the signal, the designated type of device, and the condition or state of the device. (Alarm, Supervisory, Trouble, or Restore) Once iTranslated, the information will be automatically processed to the iMonitor software module of the Ancillary Notification System. The iTranslate software module

shall be fully programmable to iTranslate all signals from any manufacturer's panel in an open protocol without the possibility of loss of information or interruption of service. The iTranslate software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iTranslate module shall automatically restart and reload into the resident operating system without any operator intervention.

iMonitor
The iMonitor software module shall contain the setup information and control all activity logging. Additionally, it shall immediately record a date and time stamp of the signal being received and the post-iTranslated condition of the signal. The information shall be permanently recorded for historical data retrieval at a later date through the use of the iReport software module. The iMonitor software module shall determine and control the overall number of authorized notification points of the Ancillary Notification System by the use of a software authorization access key issued by the manufacturer. The iMonitor software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iMonitor module shall automatically restart and reload into the resident operating system without any operator intervention.

iWatch
The iWatch software module shall contain all of the dynamic graphic information to be dispatch to the designated recipient's device/s. Upon receipt of a signal, the iWatch software module shall begin an automatic processing sequence of the graphic information to be dispatched. The information shall be automatically and electronically printed in a Portable Document Format (.pdf) and stored for retrieval by other authorized operators. iArchive software folders shall be automatically created to store the .pdf files by event and the date and time that they were received and processed. Each iArchive file shall be individually identified by the respective account number and shall contain the exact date and time to the second of the event. The .pdf file shall be available to be access through common windows programs for viewing and file maintenance requirements. It shall be possible for an authorized operator to view all devices by the simple click of the PC Mouse button contained on the iWatch software display screen. Special maintenance alerts, historical data or any text information shall be separately stored for each device, by authorized operator reference. The iWatch software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iWatch module shall automatically restart and reload into the resident operating system without any operator intervention.

iDispatch
The idispatch module shall control all outbound email and text messages to be dispatch to the designated recipient's device/s. The device/s shall include but not be limited to Laptop computers, Desktop computers, Servers, or any internet email addresses, cellular telephones, or Blackberry device, just to name a few. The iDispatch module shall continually monitor all outbound files and upon receipt, dispatch the designated information. The information shall be dispatched in the form of text message/s, .wav file/s, graphical image/s, internet links, hyperlinks, and/or any pre-generated .pdf

document/s. The iDispatch module shall dispatch all formats or any combination thereof in a single dispatch to unlimited recipients. Graphical images shall be dynamic in their operation allowing the recipient/s to zoom in or out of the image with no loss or degradation of the image/s. All signals shall be automatically dispatched, without any operator intervention in under, a total elapsed time of 75 seconds, from start to finish. The time shall be measured from when the actual field device (Smoke Detector, Pull Station, Water Flow, etc.) is activated to when a designated recipient receives the signal. All text message/s, .wav file/s, graphical image/s, internet links, hyperlinks, and/or any pre-generated .pdf document/s shall be device specific and will not be general in content. The specific location and all critical information shall be contained with each device dispatch. The graphic images shall be transmitted in .pdf format, shall be in color, reflecting the device in alarm in red, or device in trouble in yellow. All devices shall be reflected on the graphic image however only the abnormal device will be reflected in it designated color based on its condition. A quick locate feature (Bold Rectangle) shall be automatically generated and provided to draw additional attention to the abnormal device, even in a zoomed out condition. It shall be possible to zoom the image from 1% to 6,600% power or magnification. An iDispatch log file shall be automatically created each and every time a dispatch is made. The iDispatch log file shall be available to be access through common windows programs for viewing and file maintenance requirements. The iDispatch module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iDispatch module shall automatically restart and reload into the resident operating system without any operator intervention.

iConfigure

The iConfigure software module shall be the utility program used for the inputting the configuration of all critical information into the Ancillary Notification System. Access to the program shall be by use of authorized passwords. Authorized personnel must sign on using a hierarchy of authorized password levels that have been established by the Master Administrator. Once signed on, authorized personnel shall have the ability to define each and every aspect of the signal and device characteristics. The iConfigure software module shall have an auto learn feature which enables field devices to be automatically imported into the iConfigure Software, avoiding manual entry of the devices and the associated device descriptor information, not with-standing, in the absence thereof, providing authorized personnel the ability to manually enter the device and descriptor information. All Background images (Graphics) shall be programmed as sublevels of an image zone and an image group. All field devices shall be stored in a master database which shall be accessible easily from standard PC Mouse commands. Adding a device to an image shall consist of three simple mouse clicks to view the entire field device database followed by a simple drag and drop effort onto the respective image. When deleting a device, the deleted device shall be removed from the image but shall be retained in the field device database for future replacement. Editing a device shall allow authorized operators to change the specific device icon size or all of the device icon sizes contained on the image at one time without the necessity of leaving the edit command screen. After any individual or all of the field devices have been placed on an image, it shall be possible to test the dynamic operation of any field device by selecting the device test option. This option shall allow verification of each field device alarm, supervisory, trouble and restoral functions as if it were an authentic change of event being received by the operating system.

iReport

The iReport software module shall allow a full history recap via a windows based report query format structure that can be entered by device address, type, condition, account, or date criterion and/or any combination thereof. All report results shall be displayed in less than 2 seconds, as a standard text

file permitting easy printing in an open protocol, word merging, and/or text management arrangement. It shall also be possible to gather email and text message verification from the iArchive software module database for verification of email and text notification/s. A backup version of the iReport log files shall be fully integrated, in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iReport software module shall automatically restart and reload into the resident operating system without any operator intervention.

iArchive

The iArchve module shall automatically and permanently record the results of all system transactions to the system archive files. The iArchive software module shall reside as a separate and distinct database from the history report file and, to insure survivability, shall not be stored on the same computing device nor at the same computing location as the main operating system. It shall be possible to easily review the results of any and all transactions of the system at any time without the possible loss or interruption of the main operating system. the iArchive software module shall automatically restart and reload into the resident operating system without any operator intervention.

Scalability

The proposed life safety event management system shall be designed using open protocol and standard off the shelf technology with the capacity to surpass all current and projected future requirements by at least 500%. The system shall provide software application modules that use open protocol and off the shelf proven technology and shall be specifically designed for multi-building and municipal facility life safety environments to ensure a minimum 15 year system life of high-performance and reliable service. The system shall provide all required functionality with new or existing alarm monitoring and receiving equipment to monitor, receive, interpret, annunciate, respond, track, dispatch, electronically notify, and manage all life safety events.

Building for the future

The software shall be an extensible application using the Microsoft Windows operating system platform. The software shall be provided on a standard platform enabling the system to be integrated with other facility, municipal and campus management systems such as mass notification, paging, CAD, CCTV and video display and IP accessible systems.

Support Documentation

Provide the following support documentation:

- A network setup guide that establishes the requirements and procedures for site administrators to use when incorporating the system into a network.
- A server installation guide that shows the installation and configuration of the Server.
- History editor and user guide.
- Operators manual including Graphic Compositions.
- A database programming and maintenance manual.
- A quick dispatcher's guide to show basic operator interaction with the system providing the ability to acknowledge events and dispatch personnel.
- A full dispatchers' training course presented in Microsoft PowerPoint format.
- Online, fully indexed and searchable user documentation.

Sample Graphic Layout

(Room Labels and Device Locations to be sent separately)

APPENDIX A

PART III

ILINKX
SIGNAL RECEIVING & ANCILLARY NOTIFICATION SYSTEM SPECIFICATIONS

(Patent Pending)

GENERAL:

The iLinkx Receiving and Ancillary Notification System is based on an open market protocol using standard off the shelf hardware and proven application software programs which are comprised of two fully dynamic and integrated components. The first component (Part 1) is the Signal Receiving and Processing Equipment which, through operator intervention and defined procedures, are executed by trained and qualified personnel to accomplish and produce a desired dispatch from the signal or signals received.

The second component (Part 2) is the dynamically integrated Ancillary Notification System which is fully automated and processes its information independently and automatically, to produce the desired dispatch resulting from the signal or signals received, without any operator intervention whatsoever. Systems that do not demonstrate full dynamic integration, in compliance with the requirements of these specifications, will not be considered.

SIGNAL RECIEVING COMPONENT (PART 1)

LISTINGS AND APPROVALS

The system shall be listed by Underwriters Laboratory under Standards 864 (Control Units for Fire-Protective Signaling Systems), 365 (Police Station Connected Burglar-Alarm Units and Systems), and 1076 (Proprietary Burglary-Alarm Units and Systems). The system shall be UL Listed as a CENTRAL and REMOTE SUPERVISING STATION FIRE ALARM SYSTEM per NFPA 72 and as a PROPRIETARYSUPERVISING STATION FIRE ALARM SYSTEM when monitoring inputs other than DACTs. The UL Listing card shall show a (p) for proprietary Fire Alarm (Receiving Unit) under UL 864 category UOJZ.

Each processor controlled system module includes an independent audible trouble signal (watchdog circuit) to indicate microprocessor malfunction. This is referred to as a "Supervised" configuration and is a requirement of the system operation.

Bidders shall provide accurate statements regarding all dimensions, input power requirements, wiring requirements, and all other specifications required to make a complete evaluation of the system being proposed.

The system shall operate reliably in any environment comfortable to the human operator and shall have no special ventilation requirements.

A sufficiently detailed system description, and a detailed drawing shall be furnished with each bid for proper evaluation.

Any variation from these specification requirements shall include a full explanation of all deviations or exceptions taken from the requirements contained within this document on a paragraph by paragraph basis. Bids or proposals that fail to address each paragraph and meet the minimum requirements specified herein, shall be deemed non-responsive and will be rejected.

The Bidder shall be an authorized factory representative for the manufacturer of the equipment and all application software programs specified.

All equipment and application software shall be fully warranted against defects in both materials and workmanship for one year from the date of delivery.

The system shall be configured with the capability of monitoring 9 types of inputs simultaneously without the necessity of adding additional hardware.

1. **(DACT) Digital Alarm Communicator Transmitters**

The system shall receive alarms from Digital Communicators, Radio Transceivers and Internet Provided Interfaces. The following formats shall be accepted: (SESCOA, VERTEX, DCI, FRANKLIN FAST - 3X1), (SESCOA - 4X3), (RADIONICS HEX - 3X1, MODEM IIIa2 and BFSK), (Old ADEMCO, SILENT KNIGHT SLOW - 3X1), (ACRON - 4X1), (SILENT KNIGHT, NAPCO - 4X2), (CFSK, VFSK, SIA - MODEM), (FBI SUPERFAST, SUR-GARD, ADEMCO HI-SPEED, and (ADEMCO EXPRESS and ADEMCO CONTACT-ID - DTMF). The system shall support up to sixteen (16) incoming receiving lines using combinations of dual port serial I/O modules and line card units.

A Line Card Unit shall contain a dual line Digital Alarm Communicator Receiver phone line card. The phone line(s), line card, and communications to the Line Card Unit shall be fully supervised and provide audible and printed indications of failure. Power on, off- hook and line loss conditions shall also be indicated by LED activity on the Line Card Unit front panel. The software shall support a 128-event buffer for unacknowledged events and up to six (6) hexadecimal digits of account number, four (4) hexadecimal digits of zone number, and 64 three-character event codes per account.

The system shall provide sufficient memory to allow the storage of field programmable English text descriptions for all accounts, their associated event codes, and input zones. The system shall allow up to 40 lines of 32 characters each for every account message, up to 4 lines of 32 characters each for every zone message, and a 16-character descriptor for each event code. Field programmable event code tags shall be available to allow prioritizing of DACT alarm events to insure the most appropriate and expedient response. Optionally, a "GROUP TROUBLE ACKNOWLEDGE" function shall be available. This function shall allow the acknowledging of signals, programmed with the trouble event code tag, as a group when activated by a single operator action from the "touch screen".

The system shall allow 24-hour test codes to be programmed for all compatible formats. The system shall have the ability to accept 24-hour call-in for transmitter verification, and annunciate a FAIL-TO-TEST alarm if the call-in is not received. The call-in time window shall be user selectable from 1 to 168 hours. The system shall receive Opening and Closing signals without operator intervention.

The system software shall allow dialer accounts to be put IN and OUT-OF-SERVICE. If an account is OUT-OF-SERVICE, all incoming transmissions from that account will be ignored. When a dialer account is returned to IN-SERVICE from an OUT-OF-SERVICE condition, all zones will be considered restored to normal at the receiver.

The system software shall support a Dialer Account TEST mode. If a Dialer Account is placed in TEST mode, all incoming signals will be printed in the standard alarm printout format and optionally stored in History. However, there will be no display or audible alert to the operator.

The system shall allow up to 500 dialer alarms to be included in the rotating, sequential, alarm display.

INTERFACING

The system software/hardware shall be available without the Line Card Unit to support interfacing with third party digital receivers.

2. The system shall be capable of receiving serially transmitted alarm signals directly or via modems over dedicated phone lines from remote alarm monitoring systems, digital receivers, or Fire Alarm Control Panels. The communication link shall be supervised and, upon failure, the system shall annunciate a communications failure condition. These alarm signals shall be annunciated in a way that is specific to the type of alarm input received. These alarm signals shall be reported on a prioritized basis per UL 864.

3. The system shall be capable of interfacing to radio systems including the RADSCAN AlarmNet 7810 long range radio receiver, the LARSNET RCI3300 and RCI4000, and the Keltron RF7300 – AES Intellinet receiver, via RS-232c. All received alarms shall be annunciated in a way that is consistent with alarms received from DACTs. All field programmable, fixed field, English text annunciation capabilities and outputs shall be supported. It shall be transparent to the operator whether these events were received via Radio, IP or DACT.

4. The System shall also accept all direct connect and multiplex inputs and support all hardware and software outputs of the receiving System. The inputs accommodated shall include reverse polarity, end-of-line resistor, dry contacts, proprietary tones signals, private line or star multiplex and distributed multiplex as well as coded (McCullough) Fire Alarm signals.

SYSTEM OPERATION

When a change in any of the In-Service inputs occurs, the system shall sound the audible alert, display the appropriate message, and print the appropriate message. In order to silence the audible, the operator must touch the ACK control. Touching this shall cause the audible to silence, and the ACKnowledge message to be printed. This message shall remain displayed until CLEAR is touched, whereupon, the system returns to its regular standby operation. If the operator does not touch ACK, the audible shall continue to sound, but no further printing shall occur for that event.

Inputs that are not in the secure condition shall become part of a display sequence. Every 5.0 seconds, one of the inputs which is in an abnormal state shall be displayed. Touching FAST SCAN shall speed this to once every 1.0 seconds. In addition to non-Secure zones, the sequential or rotating display will include a screen for accounts out-of-service and a screen for accounts in test mode.

SIGNAL OUTPUTS

Relay Outputs - The system shall have the capability of controlling up to 96 normally open or normally closed Form-A relay contacts. The relays shall be mounted 16 to a plug-in circuit board and be accessible from the rear panel. Relay operation is to be completely programmable via the plug-in

keyboard, with provisions for up to four (4) relays being energized by one input. The relays shall have a rating of 400mA at 100VDC, 10VA max. The output connections are to be made by means of a 25 pair standard telephone connector for ease of installation. Relay outputs shall be field programmable by event code for each individual account and will be cleared upon operator acknowledgement.

Transistor Outputs - The system shall have the capability of controlling 288 open collector transistors (OCTs). The OCTs shall be mounted 48 to a plug-in circuit board, and be accessible from the central system processor. OCT operation is to be completely programmable via the plug-in keyboard, with provisions for up to four (4) OCT' to be energized by one input. The OCTs shall be able to sink 100ma at 48VDC. The output connections shall be made by means of a 25 pair standard telephone connector for ease of installation. Transistor outputs shall be field programmable by event code for each individual account and will be cleared upon operator acknowledgement.

Auto/Manual Transmitter Output - The system shall have the ability to either automatically or manually transmit a coded signal. There shall be two output relays, and each relay shall be set to any one of sixteen (16) speeds from .25 sec to 4 seconds. The relays shall be rated at 220VDC, 215mA, at 60W max. These coded output relays can be individually set by an internal switch to operate in either Type "A" or Type "B" Mode, with Type "B" mode being defined for Positive Non-Interfering Successive service. The transmission shall be accomplished by either accessing the touch screen for manual output, or by preprogramming individual zone and condition codes via the keyboard for automatic output. Default operational parameters, e.g. speed and number of rounds, shall be set by on-board dip switches which can be overridden by preprogrammed operational parameters for automatic operation. The transmitter shall be a plug-in circuit board that is accessed from the central system processor. Special ALL-OUT and MULTI-ALARM Software applications that transmit specially prefixed coded signals shall be optionally available.

RS232C Output - RS232C ports shall be available which can transmit data upon receipt of an alarm in three modes. Mode 1 will send the 4 lines of the message printed on the internal Dot Matrix Printer. Mode 2 will output the first 10-line display screen from the edited data base message. Modes 1 & 2 shall be printed in 32 or 64 character lines. Mode 3 will output the RS232C data using Radionics protocol to interface to a computer, another monitoring system or a central station automation software package.

Manual Relay Control - As an option, the system shall allow the manual control of relay and transistor outputs by the operator from the Touch Screen. The outputs shall be energized, de-energized, or momentarily energized.

PRINTER

The printer shall have a minimum of 32 columns to allow instructions to be presented in an efficient manner. The instructions should provide a permanent record of an event, including the time and date of an event for recall purposes.

The printer shall allow the dispatcher to have printed messages or sets of instructions, which shall be field programmable. The messages or instructions can be removed from the printer to take to the site of the event for reference purposes

Upon alarm receipt the system will print four fixed lines. The first two lines include an alarm or restoral indication, the account number, a time and date stamp, the alarm receiver number, event code description if programmed, or event code default, and the zone number. The last two lines printed shall be field programmable. They shall be the first line of the account message and the first line of

the zone message. The alarm printout shall be printed in red or black for special emphasis. The acknowledge printout is always black and is the same as the first two lines of the alarm printout, except it indicates acknowledge instead of alarm and prints the time and date of acknowledgement.

For ready availability and low cost, the printer shall be able to use commercially available plain 3" roll paper.

If desired, fanfold paper should be usable to allow collection in a fanfold catch tray.

To assure the permanence of the record, the printout must not fade with time, as is the case with thermally sensitive paper.

DISPLAY

The display shall have "touch screen" operating controls to provide the operator with detailed menu-driven instructions for each operator function and maintenance-free operation.

The display is used to present messages or instructions when an event occurs. The display shall be a cathode ray tube (CRT) at least seven (7) inches in size to allow major details of messages to be presented in a single display.

Character size shall allow the operator to read the display from a distance of ten feet. The CRT shall have an orange or green phosphor screen for lower operator fatigue, and direct etch for glare-free viewing. Video attributes shall be used by the system to segregate the fixed format message display screens. Dialer alarms shall be displayed using a fixed format rather than free format messages as are used for other alarm input types. The event information is displayed in separate fields or areas on the display screen. Some fields shall be mandatory. Other fields shall be optional as programmed by the user.

Mandatory fields include the Account Number, Zone Number, programmable event code, and time and date of event. Un-programmed event codes shall be displayed as received with the word 'CODE'. Programmed event codes will display their 16-character description on the alarm display screen. For SIA and Contact-Id formats, the system will automatically annunciate the event code description.

The system shall allow a total of 296 lines of 32 characters each to be programmed for the account and zone descriptions. The alarm display screen shall allow a total of seven (7) programmed 32 character lines to be displayed. These seven (7) lines shall be a combination of account and zone description message lines. All zone message lines shall display on the alarm and acknowledge screens. The system shall allow a maximum of four (4) zone message lines to be programmed for each zone. This leaves three (3) lines that will be displayed in the account message display window on the alarm screen. At least two (2) lines will be reserved for zone messages, even if blank. The maximum size of the account message window shall be at least five (5) lines. Additional programmed account message lines will be accessible only from the acknowledge display screen. The remainder of the account message shall be scrolled through the account message display window by using the NEXT page and BACK page touch switches.

Unprogrammed account or zone description fields shall be blank. There will be a single alarm display screen for any given dialer event composed of the fixed fields, programmable fields, and the touch screen area.

CLOCK/CALENDAR

The clock portion shall provide military time (24 hour) in hours, minutes and seconds. The calendar shall provide month, day and year. Once set, the calendar shall run automatically with no need to be reset at any time including leap years. A printout shall be made each time the clock/calendar is changed to record that a change was made.

The clock/calendar shall run on 60Hz as available from the power line with its attendant accuracy, averaging less than one second per month deviation. When placed on battery operation, the unit shall automatically switch to a crystal-controlled time base, internally generated, averaging +/- 13 sec/month.

As an option, the system must be capable of synchronizing the real time clock to the National Institute of Standards and Technology (NIST) atomic time standard, via a Synchronized Master Clock from Spectracom or Chronolog Corporation or an approved equal.

MESSAGE CAPABILITY AND EDITING

Messages can be of various sizes. If an average message size is 256 characters, a minimum capacity of 1000 messages shall be provided with the system with expansion to 20,000 messages possible. Each message shall use the message storage area in multiple blocks of 128 characters each, according to its size, to allow for efficient use of memory space. The system shall support a minimum of 3 megabytes of internal memory.

The system memory shall not have to be removed from the system to be erased or programmed. An installer level password shall be required to access system diagnostics which support hardware and memory testing.

Editing shall be accomplished via a full computer-style keyboard. The keyboard can be disconnected without disturbing normal alarm monitoring. Incoming alarms shall interrupt the edit process. After alarm acknowledgement and dispatch, a single control shall be provided to resume the edit process at the point of interruption.

CONTROLS

All controls used in the normal operation of the system shall be long life and non-mechanical.

The controls shall be presented on the face of the CRT. Intersecting that area of the CRT screen displayed as a control, either by touching or by placing a finger or similar object just in front of the screen, shall cause activation of that control. This type of control shall allow multiple uses of the controls area with up to 16 different controls displayed simultaneously. Some indication of control activation shall be provided; either an obvious system action will take place or audible feedback will be provided.

When no changes are being processed, the operator shall be presented with the following controls.

FEED
This shall cause the printer paper to advance.

STOP
This shall cause the display to freeze on the current screen.

FAST
Inputs in an abnormal state shall be displayed sequentially on the CRT screen with a 5 second period. Touching FAST shall cause this period to be 1 second.

NEXT
Touching this control button shall cause the screen to change and display the following control buttons.

DIALER-ACTIVITY
This control shall cause the screen to display a Keypad, allowing the operator to select any programmed dialer account alarm input to the system. All dialer activity status changes shall be accomplished with this control. This includes placing accounts Out-of-Service, In-Service and in Test mode.

DISPLAY MESSAGE
This control shall cause the screen to display a Keypad, allowing the operator to select any alarm input to the
system, and to display its programmed display message.

SET CLOCK
This appears only if the key switch is enabled. This control shall cause the screen to display a Keypad, allowing the operator to set the date and time.

PRINT MESSAGE
This control shall cause the screen to display a Keypad, allowing the operator to select any alarm input to the system, and printout its programmed print message.

PRINT
This shall cause "PRINTER OK" plus "TIME & DATE" - to be printed.

LIST
This control shall cause the printer to list the account numbers and the total number of accounts both Out-of-Service and in Test mode.

CLEAR
This control shall cause the display to return to normal display sequencing.

RETURNING TO THE NORMAL DISPLAY SEQUENCE:

STOP
This shall stop the sequential display to allow examination of a particular message. Also, this shall cause the touch area beneath the displayed message to change to include:

CLEAR - This returns the display to its normal sequencing routine.

FEED - This control shall cause the printer paper to advance.

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When a change of state occurs, the audible alert sounds and the appropriate messages shall be printed and displayed. Also, this shall cause the touch area beneath the displayed message to change to include:

ACK - Touching this shall cause the Acknowledge message to be printed and displayed and the audible to be silenced. This screen shall also display the FEED control button. After ACK is activated, the screen shall change and display the CLEAR and FEED control buttons.

SOFTWARE OPTIONS

HISTORY - A battery backed internal RAM storage facility in which to automatically record all operations performed by the Receiver shall be provided. Accessibility is menu driven from the keyboard. A minimum of 4080 events shall be provided per single storage facility. Expansion to 16,352 events shall be possible by adding additional memory capacity and a software upgrade. An external computer shall not be required. Actions recorded shall include Alarm Activations, Restorals and Acknowledgements, In/Out Service functions, Clock Set functions, Master Clock failures, Edit sessions, AC loss alarms, Communication failures, and all System Supervisory alarms. The history record shall be printed or displayed in its entirety, or sorted by account, time, type, priority, and date or in any combination thereof.

The system shall be connected to a PC either locally or via modems. A password will be required to permit system access. This connection shall be for the purpose of database backup, restoral, creation, editing, archiving, printing, or remote programming. This connection shall be transparent to the operator and must not affect alarm receiving in any way.

EDITOR PASSWORD - The system shall be capable of providing password protected database access. This shall limit access to the programmed message database to authorized personnel.

BACKGROUND ALARM PROCESSING - The system shall provide the ability to permit alarms from a remotely monitored location to be passed through an operating system on the way to their final destination without operator interruption. If the signal transmission path is interrupted, the last system before the point of interruption becomes the dispatch location.

CALL ASSURANCE CHECK-IN - Optional software shall be available for institutions such as Assisted Living Facilities. The purpose of the "Call-Assurance Check-in" software is to reduce staffing requirements, by automating the supervision of these people who shall be self-reliant, but require daily confirmation of their physical and mental well-being due to their age, physical condition or mental health. With this system, the residents shall be required to manually activate a signal to the receiver. Reception of proper check-in signals on enabled accounts is normally transparent to system operators. The receiving system's receipt of the correct signal validates the monitored persons "up and about" status. The absence of this signal within a predetermined time period will be treated as an alarm. An exception report, containing those accounts that have not yet checked in, is printed automatically upon expiration of the predefined time period. This alarm event printout signifies the need to physically check on those persons who have not yet reported in that they shall be "up and about".

FT-OPTION - The system shall be capable of dedicating any or all operator's consoles to receive a particular alarm type. The Central System Processor, when equipped with a video display, will annunciate all alarm types. The fire alarms shall go to a particular operator's console at the Fire Department, and the Burglary or Hold-Up alarms shall go to a separate operator's console at the Police Department. In the unlikely event of a system failure all alarms will be annunciated on the operational operators console without regard for the FT-Option.

OPERATOR LOG-ON/OFF - The system shall be capable of providing operator accountability by requiring the operator to LOG-ON with a unique password before alarm acknowledgements will be accepted. LOG-ON/OFF activities shall be recorded in the optional system history file.

NETWORKED SYSTEMS - The system shall be capable of supporting the connection of multiple system processors with alarm receiving and dispatch capabilities. Also supported shall be redundant databases with automatic updates between locations and cross-acknowledge functions.

PHYSICAL DETAILS
The Dialup phone line inputs shall be connected to the line card that is cable connected to the central system processor unit. A standard telephone connection shall be used at the system.

The panel operator's unit shall be inclusive to all operators' functions. The panel operator's unit shall run on 24VDC, filtered, regulated power. The power supply shall be mounted remotely from the panel operator's unit, and shall be powered by 115VAC, 60Hz, and provide terminals to float-charge a pair(s) of 12V solid cell batteries. The batteries shall be supervised and an output provided at the power supply for a no/low battery condition. If AC input power fails, the panel operator's unit shall run on batteries without interruption, and an audible alert shall sound indicating battery operation. Any system AC power failure shall cause a supervisory alarm at all panel operators' units as well as at the central processor, if equipped for annunciation.

All phone line inputs will be connected to the central system processor. The central system processor shall be available with no display, a video display, or video display and printer. A maximum of four remote operator's consoles can be provided per system. The operator's console(s) and central system processor will communicate via RS422 for distances to 4000 feet, and via modems for further distances. Operator's consoles will be available with video display only, or video display and hard copy printer. Communications between the processor and the operator's consoles shall be supervised and provide visual and audible indications of failure. System programming shall be accomplished from any operator's console or the system processor with the display option.

Auxiliary Functions
When the paper supply becomes low, the screen shall so indicate by displaying PAPER LOW in the lower right hand quadrant. In addition, the audible alert shall be sounded briefly once per minute. The FEED button becomes an "E" control, which when activated permits access to printer feed and print commands. When the paper supply is exhausted, PAPER OUT shall be indicated, and the alert will be sounded as for PAPER LOW. In this case, no further hard copy record will be available until paper is replenished. Events to be printed will be stored and then printed when the paper is replaced.

Should the printer become jammed, the words HEAD JAM will be indicated, and the alert will be sounded once per minute.

OPTIONAL HARDWARE

Any system module with a CRT Display screen shall be capable of driving an external video monitor via a 75ohm coaxial cable to provide a redundant display only, no controls.

The system shall be capable of interfacing to external line printers via RS-232c, RS-422, or modems. Operating modes one or two shall be selected as well as 32 or 64 character lines. This option shall be added to the operators' consoles or the central processor.

The system shall be capable of transmitting alarm event data to alphanumeric pocket pagers via either an on-site system or off-site commercial paging system provider.

The system shall be capable of interfacing to Central Station Automation Software, PC GRAPHICS, and Computer Aided Dispatch Systems.

The system shall be capable of supporting redundant system processors. The system shall provide a seamless, automatic, switch over function with no loss of account and zone status or database information in the event of primary processor failure.

Life Safety Event Management Software

The system shall provide detailed information and specifications for a single and multi-user life safety event management automation, graphical display, and dispatch system including all required hardware and software. The software enhances the functionality and utility of the alarm receiving systems or third party alarm receiving and monitoring systems.

The life safety event management system integrates proven reliable alarm monitoring systems with state-of-the-art computing technologies to dramatically increase the capabilities of life safety organizations. The system shall provide a highly efficient access to information that shall enable fast and accurate response to life safety situations.

A reliable and versatile Windows-based system combines the most valuable features of central station automation and graphical display software for fire alarm panels, with proven alarm receiving technology to produce a system that meets the mission critical needs of today's life safety industry.

System Architecture - Performance

The system is designed to provide high performance and quick dispatch. The dispatch functions shall be separated from database maintenance and monitoring functions to minimize the impact of administrative requirements on the dispatcher while providing a high degree of security and reporting information to the systems administrator and managing stakeholders.

The modular design of the system architecture makes it robust, scalable and extensible. Modular design shall enable specialized software components to perform specific functions efficiently, quickly and accurately without interference from unrelated components. The architecture is built on a standard operating system, using known interfaces and connection methods, with extensive network and printer support.

The central core of the software architecture is the Event Manager module. The primary function of the Event Manager is to maintain the list of active events and alarms and control access from competing client modules. It shall provide continuous backup shadowing to preserve the latest state of all active events in the unlikely event of system interruption.

The Event Manager module acts as a server for various client modules that can originate, manipulate, or display events. Because it has no database connections and very little dependency on system resources, it is very robust, very efficient and very small. Even when under a load of several thousand alarms, it consumes a small fraction of system resources.

To ensure reliability, and minimize the dependency of any specific function on system resources, individual client applications perform different functions, independent of one another. Examples include:

1. Receiver clients provide the interface to external alarm receiver hardware systems. They manage the unique requirements of the communications link and protocol, isolating these details from the rest of the system, and provide complete event information to the event manager. New receiver clients can be developed with no impact on the Event Manager or any other client module.

MSI, Ex. 1033, p. 285

2. Supervisory Clients perform specific background tasks such as monitoring periodic device check-in, logging alarms, and monitoring disabled devices and recording events to history
3. User Interface Clients, like the dispatcher, shall be designed to be intuitive for the user.
4. Interconnection Clients connect multiple redundant system functionality.

The clients shall communicate with the Event Manager through a single, well-defined interface. This interface shall provide the same functional connection whether the Event Manager and the clients reside and run on the same machine or on two machines separated by thousands of miles.

System Features

The system shall be capable of receiving alarms from a wide variety of standard industry technologies including active network and long-range radio, star and distributed multiplex style inputs, digital dialers, direct connects, and coded signals. It can also accept alarm inputs directly from industry-standard alarm receivers. The system shall enable fast and efficient communication to the server by providing a customized, ODBC-compliant database that facilitates efficient, accurate alarm dispatching and tracking. Color-coded alarms and custom audio/visual indicators enable instant recognition of the nature and/or severity of an event. Full graphic capabilities enable the user to import graphic files to enhance the dispatcher's speed and accuracy and blinking icons that quickly identify the devices in alarm.

The system shall include an integral history reporting function for analyzing historical trends and tracking false alarms. Powerful and flexible search capabilities enable systems administrators to locate and segregate information by entering one or more key words. The standard, open systems database shall enable the administrator to employ third-party reporting tools to provide custom reports when necessary.

The system Server, shall be a dedicated, rack-mount or tower, high-performance server, forms the core of single- or multi-user systems. Stand-alone or rack-mount PC workstations use a standard Windows-based operating system and components to provide sufficient resources for all installed applications.

The system shall provide an advanced Intel Pentium processor, an 8.4-inch diagonal TFT color display with an optional easy-to-use touch screen or familiar keyboard-and-mouse operation, and an optional quiet thermal printer with automatic take-up.

Mounted in a standard 19-inch rack, the workstation is configured to fit a wide variety of dispatch consoles. External video and printer outputs shall be available to easily incorporate industry-standard printers and large-screen displays. The LAN interface shall enable operator workstations to be networked together with the server.

The expanded networking capabilities enable multiple users to access the system simultaneously with varying levels of privileges to perform many tasks such as maintaining customer account information, reviewing event history and active, on-line alarm dispatching. Internet accessibility is also available for feature additions or remote diagnostics.

Functionality

The system shall provide unique features that meet the wide variety of requirements inherent in the life safety market. The system engineers and product managers shall maintain an extensive schedule of software enhancements shall be generated through ongoing customer and market research.

Supervisory Functions

The supervisory function monitors a variety of types of alarm and system activity including periodic device check-in, out-of-service and test service mode settings, receiver interface communications link integrity, and system status, such as logging, ticket or report printer availability and status.

When the system detects a problem in these areas, the problem is reported to the operators as a supervisory alarm, and includes a detailed description of the out-of-normal condition.

In addition, the Supervisory Client station shall provide event logging and history recording services.

Rotational display screen

The system shall provide a view of all active events by continuously displaying these events at five second intervals. This ensures that unresolved issues shall not be lost or forgotten.

Unlimited accounts

The number of alarms accepted by the system is restricted only by the limits of the computer hardware.

Automatic signal prioritization

The life safety event management software shall automatically prioritizes all alarm signals according to UL standards using programmable event classes.

System response modes

The system shall support programmable response modes including:

1. User - for full system control
2. Auto-log - to alleviate operator interaction
3. Ignore - for automatic discard of received events

Operational and disable modes

The system operator shall set the service mode of any connected panel or device to active, out-of-service or test mode.

In active mode the system will annunciate all events from the panel and its devices, according to the default or programmed colors, sounds and display tab preferences. In out-of-service mode, events a shall be tracked and recorded by the system but not reported to the operator. When a panel or device is returned to active mode from out-of-service mode, its last recorded status will be reported to the operator if the device is not restored to normal. When a panel or device is returned to active mode from test mode its last recorded status will not be reported to the operator. Disable modes will have a selectable duration and will automatically lapse or shall be manually cancelled by the operator.

Group acknowledge

The 'group acknowledge' function shall enable the operator to batch acknowledge a group of low priority events such as trouble and restore events, so that higher priority events can be managed expeditiously.

Swinger Suppression

A 'swinger' is an alarm input that constantly toggles between normal and off-normal states presenting hundreds of identical events to the system for processing and operator interaction. The system shall provide a swinger suppression function that prevents the operator from being overloaded with such a huge number of alarms that effective response is impossible. It prevents exhaustion of system resources, even if the system is left unattended for very long periods of time, by reducing the number of spooled printer jobs, and reducing the size of the backup shadow file.

This feature prevents operator frustration and overload by reducing the workload to manageable levels. Thousands of swinger events shall have occurred, but the operator need only respond to the two initial alarms. Swinger suppression prevents the system and operator overload problems by accumulating repeating events together in a single compact form.

When the first trouble event comes in and generates an event on the screen, the system shall sound the audible alert, displays the pending alarm banner, and prints an event record. When the second signal from that alarm is received, if it's the same event code from the same device, no new alarm is generated. If it's a different event from the same device, a new alarm will be generated, printed, logged and, if it is a higher priority (e.g., a fire vs. a trouble) it will take over the pending display.

If the device keeps going back and forth between the trouble and alarm condition, no new pending alarms shall be generated, thus the operator only responds to the pending fire and trouble events.

The history tab shows several pieces of data on that event:

1. The first occurrence of the event
2. The most recent occurrence of the event
3. The number of times the event reoccurred
4. A detailed audit history of the event

After one swinger alarm has been acknowledged, the process starts all over again: the next occurrence of an event will generate a new alarm in the system, but further occurrences will, as above, accumulate into that pending alarm.

Storm mode

Setting the system to 'storm mode' allows certain events, such as those caused by severe weather, to either be auto-acknowledged or ignored for the period of time the system is in this mode. Non-restoral events shall be maintained in rotation until cleared by restoral signals or manual deletion. At the end of this time, the system automatically reverts to normal operations.

The systems administrator can define which classes of events will be affected along with the automatic expiration period for storm mode.

Sounds

Audible (.wav) files shall be imported into the database and linked to incoming alarms for automatic operator notification.

Printing

The system shall use any Windows-supported local or networked printer for the following functions:

Logging - logs every incoming alarm and its acknowledgement with a brief, multi-line line entry. system shall employ line-oriented, impact or thermal printers for this application.

Ticket printing - prints a single page of information about a specific event. A site shall use either line printers or page printers. Ticket printing is a summary of the dispatch information available on different tabs on the screen. It includes the 'banner', i.e., the alarm type, consolidated location summary and time of occurrence, location, personal contact/key holder information, instructions, site location and info, subscriber and locale name.

Report printing - supports printing the hardcopy output from History Editor, Monitor or third-party applications such as Crystal Reports. Either line or page printers can be used, though laser page printers produce higher quality output in shorter time.

Default operation for un-programmed events

The software shall provide full support for an intelligent, operator-friendly display of events arriving from un-programmed sources. The software supports intelligent message interpretation of a variety of industry-standard message types, including Ademco - Contact ID format, direct-connect, distributed multiplexer formats, radio formats and SIA-compliant formats, and understands more than a thousand different messages and variants.

MSI, Ex. 1033, p. 288

When the system is installed, it not necessary to perform extensive programming in order for the system to be immediately usable for operators. When the system receives a message from any of a variety of industry-standard signaling devices, an intelligent interpretation and display of that event is displayed for the operator. Only the physical location of the monitored system must be programmed.

To facilitate quick event response, instead of presenting obscure event codes, the system clearly displays the nature of the events in prioritized hierarchy. Further programming shall add important functional capability, such as site- and device-specific instructions, customized graphics and audible alerts.

Multi-user features - Remote access

The system shall provide remote access through standard networking protocols over high-speed TCP/IP links. Remote workstations provide the same level of functionality as the host seat, limited only by the system access privileges that shall be determined on an operator-by-operator basis. Open networks employ a recommended hardware router for secure network communications.

Remote stations can be used not only for regular dispatch access, but for system administration and configuration, as well as history maintenance, auditing and reporting.

Security - Operator Privileges

To increase security and ensure compliance with published policies and procedures, the system shall provide multiple levels of privileges for operators, users, guests and administrators. For example, operators shall acknowledge and resolve events but not clear them from the system, or a user must have a given level of privilege to access the history tool.

Dispatching

The system shall provide a main dispatch screen displays all the critical information a dispatcher requires to expedite event management. The system immediately displays the most critical and basic information, with extended support information only a single click away.

Basic dispatch information includes the nature of, location, time and date of the event. Extended information includes complete site description and location information, detailed dispatch instructions for the monitored site, call and contact lists, graphic display information including maps and floor plans showing the exact location and the nature of the alarm, photographs and diagrams, account information, and details that shall be used in diagnosing faulty or run-away devices and managing defend-in-place or hazmat situations.

When an alarm is acknowledged, a programmable dispatch tab appears. Normally, the dispatch tab is displayed showing instructions, location and contact information. This setting does not limit access to the other tabs - the operator shall access any tab by clicking it.

Rotation events shall be programmed to appear by class. Rotation retains the last state of the device. Normally, the system retains all off-normal states including both **Alarms** and **Troubles**. **Restores to Normal**, under these conditions, clears an off-normal event from rotation.

Dispatch Operation

The operator log-in function shall provide an audit trail to track and analyze the alarm monitoring and dispatch function.

The system shall provide an acknowledge screen upon receipt of an event. This first screen displays the nature and location of the event with a programmable color background and a programmable audio component to alert the operator to the type of event.

The second screen that is displayed after operator acknowledgement is the dispatch screen. This screen shall provide detailed information on the type of event, location of the event, and the

recommended response steps and procedure. The system shall be programmed to display prioritized contact information.

The dispatch screen shall provide user access using either a keyboard/mouse or touch screen-activated tabs to the other types of informational screens available to the operator.

1. The 'dispatch' tab returns the operator to the initial dispatch screen.
2. The 'maps' tab shall provide access to graphical depictions of the location and type of event.
3. The 'site' tab shall provide access to information identifying the actual physical location of the monitored system or building and any critical information pertaining to that location such as hazardous materials and any other data specific to that site.
4. The 'notes' tab shall provide the operator with the ability to maintain a running real time record of all action taken and reported in response to the received event.
5. The 'details' tab shall provide the operator or technician with the technical information pertaining to the type of alarm, receiving technology and pertinent notes for that alarm.
6. The 'history' tab shall provide the operator access to the history of that specific event including the event ID, raw event data, time of receipt, time dispatched, source, operator, how many times it was received, and time resolved.

The universally familiar Windows tool bar at the top of the screen shall provide access to the file, service mode and search, event, tools and help pull down menus.

1. The file menu shall provide access to login and logout functions.
2. The service mode menu shall provide access to panel and device control for disabling and enabling alarms.
3. The search menu allows database search by all fields.
4. The tools menu shall enable manual alarm entry and storm mode activation.
5. The help menu shall provide full on-line user documentation.

The operator shall click on the 'alarms pending' window at any time to see list of all events that have been received and shall be pending operator acknowledgement. The operator will see the event priority and shall select an event from the list for acknowledgement, dispatch and resolution.

All resolved events shall be accompanied in history by an operator selected resolution code. This code aids in historical trend analysis.

Programming

Use of the configuration database maintenance application requires the user to log in with a recognized password and privilege level. Logon privileges, as set by the system administrator, determine the level of access to the systems database.

Existing sites or accounts shall be updated or added using the configuration database maintenance application.

The system shall provide the ability to add extended site information such as contacts (key holders, supervisors, and other related personnel), site-specific instructions, detailed explanatory notes, and warnings. In addition, the user shall import and associate graphic images such as maps and floor plans that illustrate this information and can help the dispatcher to quickly and accurately respond to an event.

The system supports programmed receivers, locales, device templates and event categories. Some of this data is pre-configured from the factory. Other data is programmed during the initial setup.

MSI, Ex. 1033, p. 290

The receiver object is supported by receiver interface software clients. The receiver object shall provide a programmable tab displays such as general, configuration, and locales.

The locale can be associated with a physical entity or several physical entities as well as with a single receiver or multiple receivers.

The user shall be able to add information about the hardware devices that are monitoring that site.

All access to and control of the database maintenance application is provided through two methods: the navigator, which shall provide a graphic-oriented hierarchical view of the database, and the menus. While many functions can be accessed either way, there shall be some that shall be only available through one method.

For those functions accessible by both, the choice is a matter of convenience or preference. Accessing elements of the database is general and not constrained by how the various elements and layers relate to one another. For example, it is easy to use the search menu to find any device in the system, whereas it shall be simpler to find a device belonging to a particular site using the navigator.

The navigator window is divided into two 'panes'. The left pane shows a hierarchical directory of the database. The right pane displays the detailed contents of each layer selected from the hierarchical directory.

The left pane of the navigator is the Navigator Directory, displaying each level in the database hierarchy. Required for programming a device is an icon and a label for Receivers, Locales, Subscribers, Sites, and Devices, as well as entries for Service Companies, Event Categories, Contacts, Authorities, Operator Groups, Operators and Device Templates. Click any of these and the right window displays the contents of that level.

The Navigator Directory shall provide quick-access functions including; add, search, expand and collapse.

The database maintenance application shall provide a comprehensive menu of functions to provide access control, set display mode, search for items or add new ones, and configure different aspects of the system.

The menus include: file menu, view menu, search menu, new menu, and tools menu.

1. The file menu shall provide the exit function.
2. The view menu shall enable the programmer to choose from iconic, list or detailed viewing of the right navigator pane objects.
3. The search menu shall enable the operator to search for any editable database object.
4. The new menu shall enable the programmer to add an object to the database.
5. The tools menu shall provide dispatch options, printer, storm mode and group dispatch setup.

To add a new site or account to the database, the user should have the following information readily available:

1. General information for the site or account such as the name/description, the account number (if any), physical address and site telephone number.
2. In which Locale the site is located.
3. The type and identification number, account number or hardware address of the hardware that is used to monitor the site; for example, the particular model of radio transceiver or the connection point for a direct-wire device.

4. Optional contact information such as key holder name and phone numbers, graphics information such as maps or floor plans, subscriber information and if the site is one location of several under a single subscriber.

The maintenance application shall enable the user to ***pre***-program general support information before adding information for specific signaling devices. Examples include objects such as:

1. Service companies
2. Operator groups and individual operators
3. Event categories
4. Device templates

Each of the major entities in the database (Locales, Subscribers and Sites) shall provide the option of programming a designated service company - the organization responsible for installing, maintaining and upgrading the equipment and systems.

1. The **Locale** object supports authorities, service companies, notes, sites and contacts programming.
2. The **Site** object shall enable general, device, contact, graphic, instruction and note tab programming.
3. The **General** tab allows the programming of information such as address, with locale, service company and subscriber fields being selectable from a list and filling the appropriate field automatically. The site name and ID shall also be programmed on the **General** site tab.
4. While the **Site** represents the monitored area, the devices provide the association between physical messages from a remote sensor and the high-level information about the site.
5. The **Contacts** tab shall enable the programming of call lists and selection of a primary person.
6. The **Graphics** tab shall enable the user to associate graphics such as maps, floor plans or images with the site. The number of graphics that shall be associated with a device is unlimited.
7. The **Instructions** tab shall enable the user to enter site-specific instructions to be displayed to the operator when an event occurs at the site.
8. The **Service Company** entry supports programming entry tabs of clients, contacts, and notes.
9. The system allows devices to be added and shall provide general, zones, event codes, icons, and instructions tabs.
10. Zone information shall come from a template or be programmed individually for each device.
11. The **Event Codes** tab shall provide the connections or mappings between the device's low-level hardware event codes and the pre-programmed event categories.
12. The **Icons** tab shall enable the user to place icons on the graphical images.
13. The **Event Categories** entry generates operator-friendly, comprehensive actions in the database.
14. The **Instructions** tab shall enable the administrator to enter detailed instructions that shall be specific to the device being programmed. The instructions will be displayed along with the event category instructions when the device signals an event.

The system shall allow the user to program direct connect devices as zones. The supported programming tabs shall be general, event codes, icons, and instructions

The **General** tab supports device ID, template selection, site, receiver, location, and zone.

The system shall enable the user to program the subscriber object. The supported programming tabs shall be: general, sites, contacts and notes.

The system shall provide multiple levels of access privileges through the use of operator groups. Each operator group can be assigned different levels of privileges. Individual operators can be added to operator groups, and shall be given the privileges of that group.

The system supports multiple operator groups, each with its own privilege mask combinations.

The system supports the programming of default behavior in response to received events including sounds and colors.

The system shall provide device template architecture. This shall enable the user to program a complex panel or device model only once. Adding new customer accounts using device templates is very fast, efficient and reliable. These features substantially reduce programming time and programming errors all of which minimize setup costs.

The user can easily change global device behavior, such as check-in-times, on multiple devices by changing the device template, reducing ongoing maintenance time and expense.

Template behavior shall be overridden partially or totally for account- or zone-specific behavior through account and zone programming, without invalidating existing templates.

Database

The system includes an ODBC database that shall enable ANSI-compliant SQL access.

Schemas shall be public and published.

An XML importer is functional, to allow the user to import other databases.

The system supplier shall provide online utilities for database maintenance such as backup/restore, version upgrades, and like functions.

Graphic Files

The system shall support multiple graphic file formats. Files shall be attached to an incoming alarm and linked in a hierarchy so navigation, can be performed by the operator. This shall enable the system to receive an alarm and automatically display a street map and/or subsequent graphics of the building, wing, floor, room, and finally to the device icon.

The following file types shall be directly imported into the system:

1. .BMP, .RLE - Windows bitmap graphics files
2. .GIF - Graphics Interchange Format files
3. .JPG, .JPEG - Joint Picture Experts Group format files
4. .PDF - Portable Document Format
5. .WMF, .EMF - Windows graphics metafiles
6. CAD files must be 100% transparent and compatible with these file formats.

The system application software shall support multiple hierarchical graphic images creating important instruction and/or images:

In an emergency situation, multiple hierarchical graphics shall provide the dispatchers with the most accurate and efficient method of understanding the physical situation of an event. This approach to graphical file presentation shall be full dynamic and not put any additional burden on the operator to manage a graphics environment while in the midst of managing with mission-critical events.

The system's graphic structure shall enable the administrator to provide a mix of images: beyond the normal maps and floor plans, the administrator can include photographs of attending personnel or of specific areas, providing the facility optimal flexibility and versatility.

Using dedicated images also minimizes system resource requirements.

Monitor application

The Executive Monitoring utility shall provide the site administrator or supervisor with a way to monitor basic system activity and status from any appropriately-configured local or remote workstation computer. This function shall be available only for monitoring the system status and shall provide no means to directly modify events.

The monitor utility shall provide a display of the following important system activities and states:

1. Active events: all currently active events shall be displayed. Separate windows provide displays of all new, pending, in dispatch, on hold, resolved and in rotation events. Any event can be selected to display the details associated with the event, including extensive site-specific information.
2. Disable devices and zones: Any device which is placed in out-of-service, test or other disable modes is displayed, along with site information and expiration time.
3. Operators: a window displays all logged on operators by operator name, system name and log-in time.

History

The system shall provide full history recording capability. History data is stored to an ODBC-compliant database separate from the main configuration database to minimize impact on the main database resources. This allows the databases to reside on physically separate volumes.

The history system records the following important system events:

1. All real-time events, such as alarms, troubles and restoral's originating from real devices through event receivers
2. Operator-generated manual alarms
3. System-generated supervisory events such as missed check-ins, receiver communications failures, printer faults, etc.
4. Device service mode changes
5. Operator logins and logouts

Where appropriate, a complete history for each event state change, such as acknowledgement, resolution and eventual removal is captured, including details of when the transition occurred, and the operator responsible.

History editor

The system shall include an online history editor and viewer application that shall enable the user to instantly view the contents of the system's history database. Functional features shall include:

1. Search on different criteria, such as locale, subscriber or site name/number, event type, current event status, and dates
2. Sort event display on any displayed attribute
3. View event details of any selected event
4. Add short notations to events (requires appropriate operator privileges)
5. Add updated or final resolution of events (requires appropriate operator privileges)

6. Print a report of selected and sorted events on any networked Windows-based printer. Operator shall choose to print all or just selected events.
7. Erase selected events from history database (requires appropriate operator privileges)

System configurations

The system shall be available in a range of configurations to meet the individual needs of different facilities. These configurations shall be combined in a variety of ways to allow system configurations for alarm monitoring applications ranging from single-package, single user stand-alone or rack systems to full receiving rack-based servers supporting multiple operators over secure LAN and WAN connections.

Systems that are installed on an open network shall be configured to include routers/VPNs at each access point, so as to protect the system from unauthorized access.

System hardware and operational specifications

Standard hardware includes:

- 4U standard rack-mount chassis with integral, dual, hot swap, 400 watt 120/240 VAC power supplies
- ATX form-factor motherboard
- Dual Quad Core Processors
- 8GB of memory, expandable to 32 GB
- SVGA or better display system
- 10/100 LAN Ethernet port
- 10 USB 2.0 ports
- Wireless keyboard and mouse interface
- One parallel port (rear)
- Multiple serial ports
- Internal 3 TB high-capacity disk storage
- 2 - Integral 52X CD-RW drive
- Built-in 8.4" high bright LCD (300 nits)
- Rack-mount keyboard/mouse shelf
- Redundant high-performance, high-reliability SCSI-III multiple-drive RAID configuration with real-time background data shadowing.

ANCILLARY NOTIFICATION COMPONENT (PART 2)

iTranslate

The iTranslate software module shall upon receipt of a signal, translate the format in which the signal was received to determine the designated account number, the specific address of the device sending the signal, the designated type of device, and the condition or state of the device. (Alarm, Supervisory, Trouble, or Restore) Once iTranslated, the information will be automatically processed to the iMonitor software module of the Ancillary Notification System. The iTranslate software module

shall be fully programmable to iTranslate all signals from any manufacturer's panel in an open protocol without the possibility of loss of information or interruption of service. The iTranslate software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iTranslate module shall automatically restart and reload into the resident operating system without any operator intervention.

iMonitor
The iMonitor software module shall contain the setup information and control all activity logging. Additionally, it shall immediately record a date and time stamp of the signal being received and the post-iTranslated condition of the signal. The information shall be permanently recorded for historical data retrieval at a later date through the use of the iReport software module. The iMonitor software module shall determine and control the overall number of authorized notification points of the Ancillary Notification System by the use of a software authorization access key issued by the manufacturer. The iMonitor software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iMonitor module shall automatically restart and reload into the resident operating system without any operator intervention.

iWatch
The iWatch software module shall contain all of the dynamic graphic information to be dispatch to the designated recipient's device/s. Upon receipt of a signal, the iWatch software module shall begin an automatic processing sequence of the graphic information to be dispatched. The information shall be automatically and electronically printed in a Portable Document Format (.pdf) and stored for retrieval by other authorized operators. iArchive software folders shall be automatically created to store the .pdf files by event and the date and time that they were received and processed. Each iArchive file shall be individually identified by the respective account number and shall contain the exact date and time to the second of the event. The .pdf file shall be available to be access through common windows programs for viewing and file maintenance requirements. It shall be possible for an authorized operator to view all devices by the simple click of the PC Mouse button contained on the iWatch software display screen. Special maintenance alerts, historical data or any text information shall be separately stored for each device, by authorized operator reference. The iWatch software module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iWatch module shall automatically restart and reload into the resident operating system without any operator intervention.

iDispatch
The idispatch module shall control all outbound email and text messages to be dispatch to the designated recipient's device/s. The device/s shall include but not be limited to Laptop computers, Desktop computers, Servers, or any internet email addresses, cellular telephones, or Blackberry device, just to name a few. The iDispatch module shall continually monitor all outbound files and upon receipt, dispatch the designated information. The information shall be dispatched in the form of text message/s, .wav file/s, graphical image/s, internet links, hyperlinks, and/or any pre-generated .pdf

document/s. The iDispatch module shall dispatch all formats or any combination thereof in a single dispatch to unlimited recipients. Graphical images shall be dynamic in their operation allowing the recipient/s to zoom in or out of the image with no loss or degradation of the image/s. All signals shall be automatically dispatched, without any operator intervention in under, a total elapsed time of 75 seconds, from start to finish. The time shall be measured from when the actual field device (Smoke Detector, Pull Station, Water Flow, etc.) is activated to when a designated recipient receives the signal. All text message/s, .wav file/s, graphical image/s, internet links, hyperlinks, and/or any pre-generated .pdf document/s shall be device specific and will not be general in content. The specific location and all critical information shall be contained with each device dispatch. The graphic images shall be transmitted in .pdf format, shall be in color, reflecting the device in alarm in red, or device in trouble in yellow. All devices shall be reflected on the graphic image however only the abnormal device will be reflected in it designated color based on its condition. A quick locate feature (Bold Rectangle) shall be automatically generated and provided to draw additional attention to the abnormal device, even in a zoomed out condition. It shall be possible to zoom the image from 1% to 6,600% power or magnification. An iDispatch log file shall be automatically created each and every time a dispatch is made. The iDispatch log file shall be available to be access through common windows programs for viewing and file maintenance requirements. The iDispatch module shall be a continuously running program utilizing the windows platform and shall be minimized to avoid impeding the background of all currently displayed windows. It shall be password protected and cannot be closed or shutdown by unauthorized personnel. A backup version shall be fully integrated in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iDispatch module shall automatically restart and reload into the resident operating system without any operator intervention.

iConfigure

The iConfigure software module shall be the utility program used for the inputting the configuration of all critical information into the Ancillary Notification System. Access to the program shall be by use of authorized passwords. Authorized personnel must sign on using a hierarchy of authorized password levels that have been established by the Master Administrator. Once signed on, authorized personnel shall have the ability to define each and every aspect of the signal and device characteristics. The iConfigure software module shall have an auto learn feature which enables field devices to be automatically imported into the iConfigure Software, avoiding manual entry of the devices and the associated device descriptor information, not with-standing, in the absence thereof, providing authorized personnel the ability to manually enter the device and descriptor information. All Background images (Graphics) shall be programmed as sublevels of an image zone and an image group. All field devices shall be stored in a master database which shall be accessible easily from standard PC Mouse commands. Adding a device to an image shall consist of three simple mouse clicks to view the entire field device database followed by a simple drag and drop effort onto the respective image. When deleting a device, the deleted device shall be removed from the image but shall be retained in the field device database for future replacement. Editing a device shall allow authorized operators to change the specific device icon size or all of the device icon sizes contained on the image at one time without the necessity of leaving the edit command screen. After any individual or all of the field devices have been placed on an image, it shall be possible to test the dynamic operation of any field device by selecting the device test option. This option shall allow verification of each field device alarm, supervisory, trouble and restoral functions as if it were an authentic change of event being received by the operating system.

iReport

The iReport software module shall allow a full history recap via a windows based report query format structure that can be entered by device address, type, condition, account, or date criterion and/or any combination thereof. All report results shall be displayed in less than 2 seconds, as a standard text

MSI, Ex. 1033, p. 297

file permitting easy printing in an open protocol, word merging, and/or text management arrangement. It shall also be possible to gather email and text message verification from the iArchive software module database for verification of email and text notification/s. A backup version of the iReport log files shall be fully integrated, in the event that a recovery operation from a catastrophic incident becomes necessary. In the event of a complete windows operating system reboot, the iReport software module shall automatically restart and reload into the resident operating system without any operator intervention.

iArchive

The iArchve module shall automatically and permanently record the results of all system transactions to the system archive files. The iArchive software module shall reside as a separate and distinct database from the history report file and, to insure survivability, shall not be stored on the same computing device nor at the same computing location as the main operating system. It shall be possible to easily review the results of any and all transactions of the system at any time without the possible loss or interruption of the main operating system. the iArchive software module shall automatically restart and reload into the resident operating system without any operator intervention.

Scalability

The proposed life safety event management system shall be designed using open protocol and standard off the shelf technology with the capacity to surpass all current and projected future requirements by at least 500%. The system shall provide software application modules that use open protocol and off the shelf proven technology and shall be specifically designed for multi-building and municipal facility life safety environments to ensure a minimum 15 year system life of high-performance and reliable service. The system shall provide all required functionality with new or existing alarm monitoring and receiving equipment to monitor, receive, interpret, annunciate, respond, track, dispatch, electronically notify, and manage all life safety events.

Building for the future

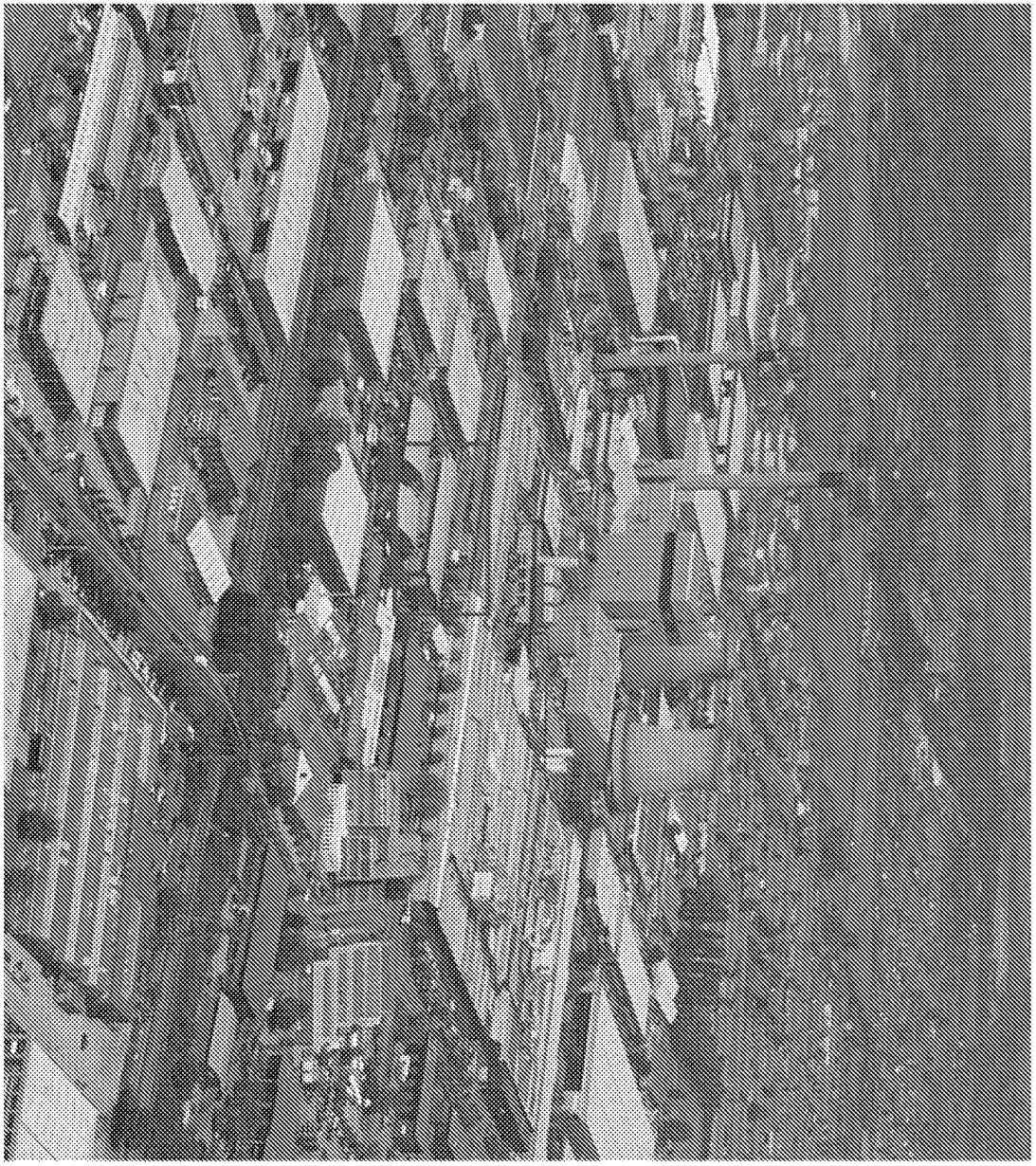
The software shall be an extensible application using the Microsoft Windows operating system platform. The software shall be provided on a standard platform enabling the system to be integrated with other facility, municipal and campus management systems such as mass notification, paging, CAD, CCTV and video display and IP accessible systems.

Support Documentation

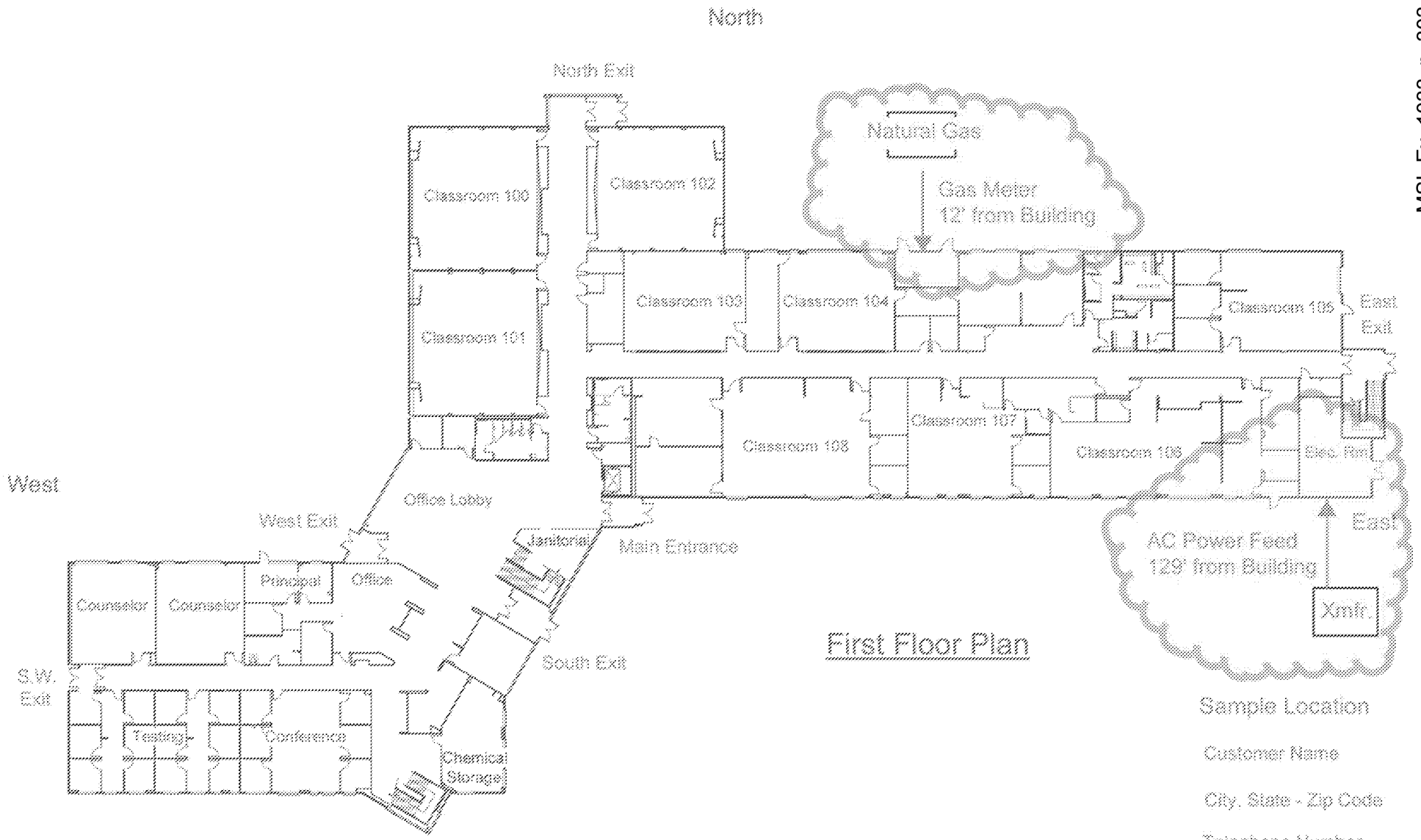
Provide the following support documentation:

- A network setup guide that establishes the requirements and procedures for site administrators to use when incorporating the system into a network.
- A server installation guide that shows the installation and configuration of the Server.
- History editor and user guide.
- Operators manual including Graphic Compositions.
- A database programming and maintenance manual.
- A quick dispatcher's guide to show basic operator interaction with the system providing the ability to acknowledge events and dispatch personnel.
- A full dispatchers' training course presented in Microsoft PowerPoint format.
- Online, fully indexed and searchable user documentation.

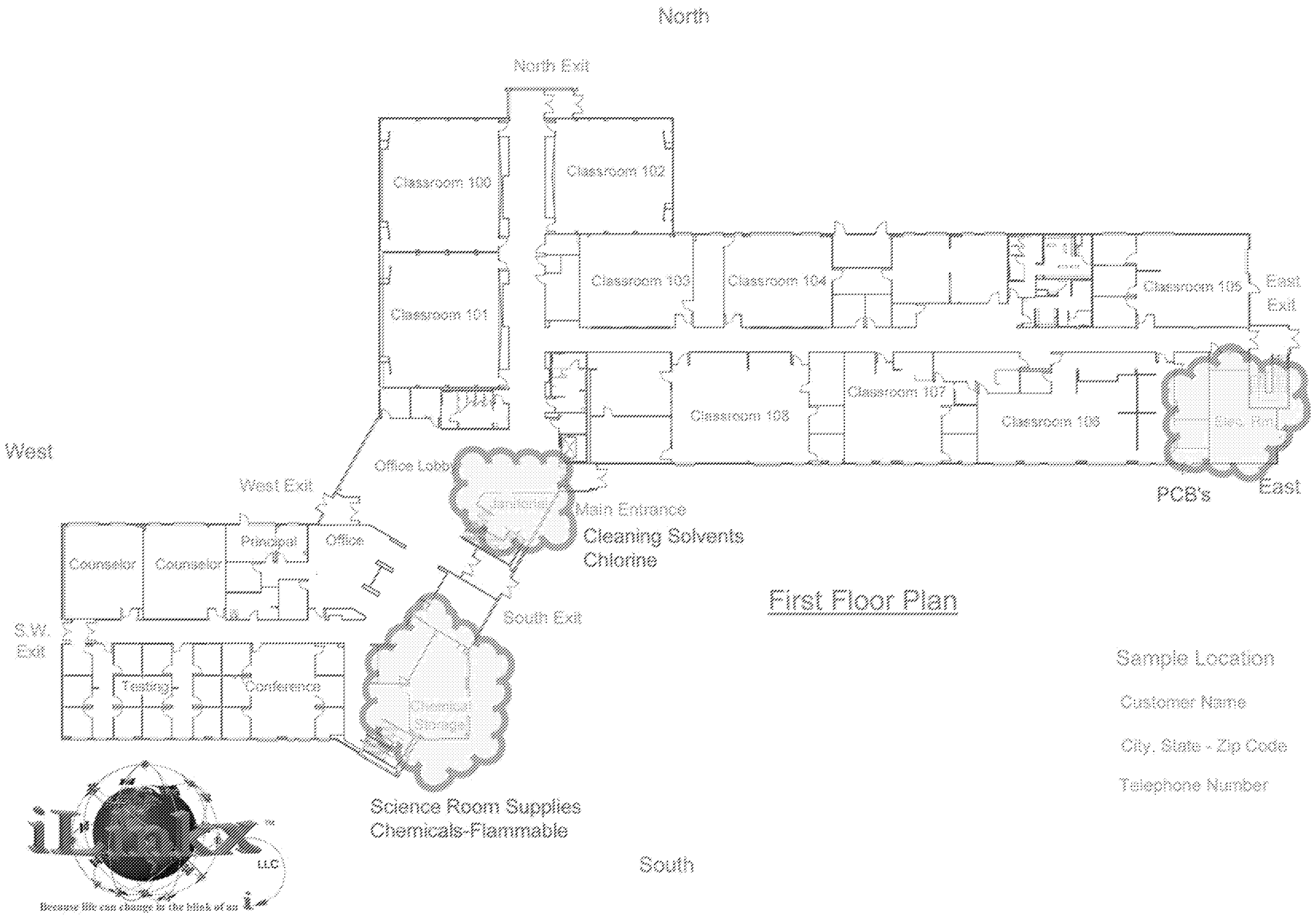
Primary Route
Alternate Route



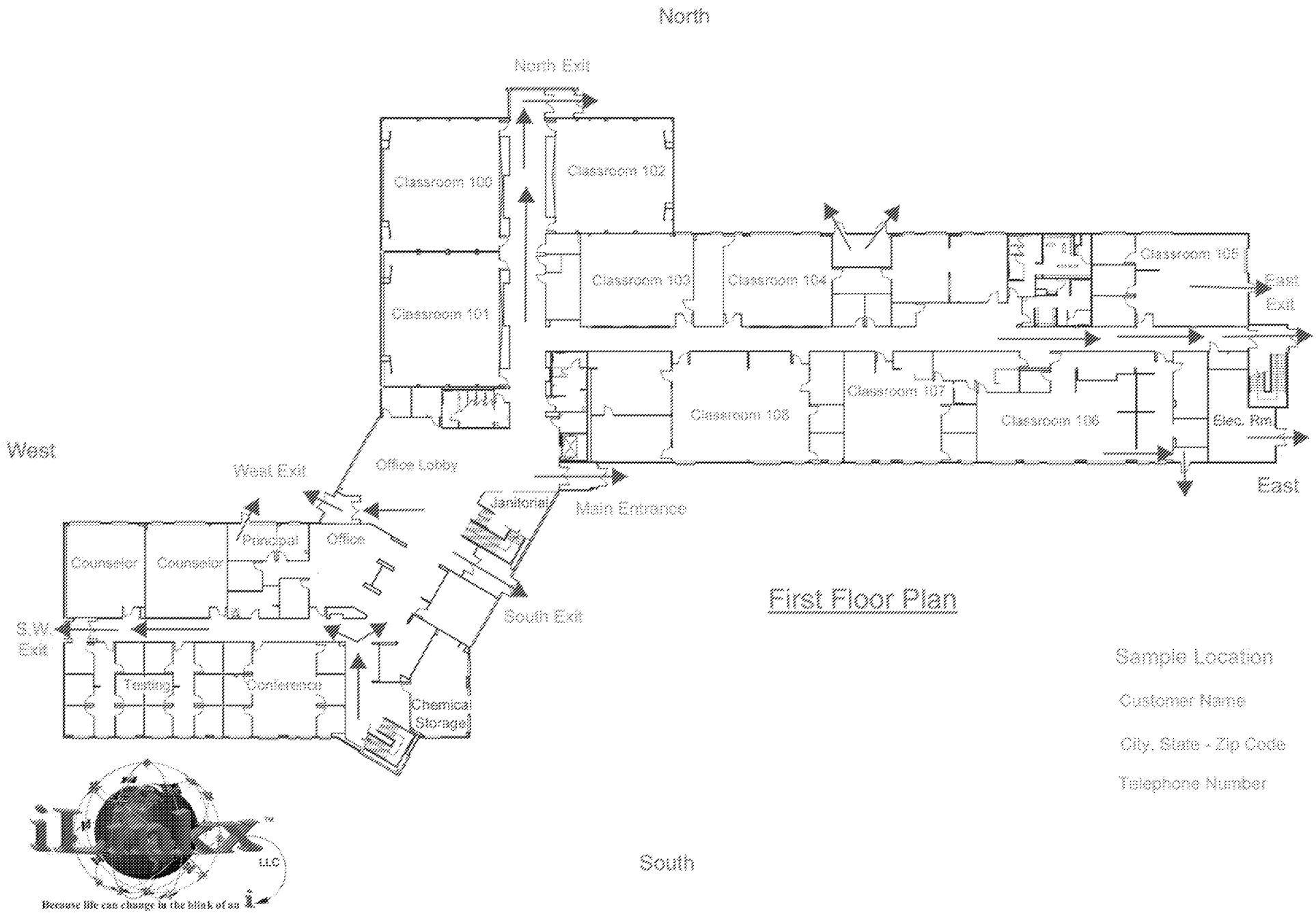
7/22/2009 1:07:23 PM 010001 004 Utility Disconnects



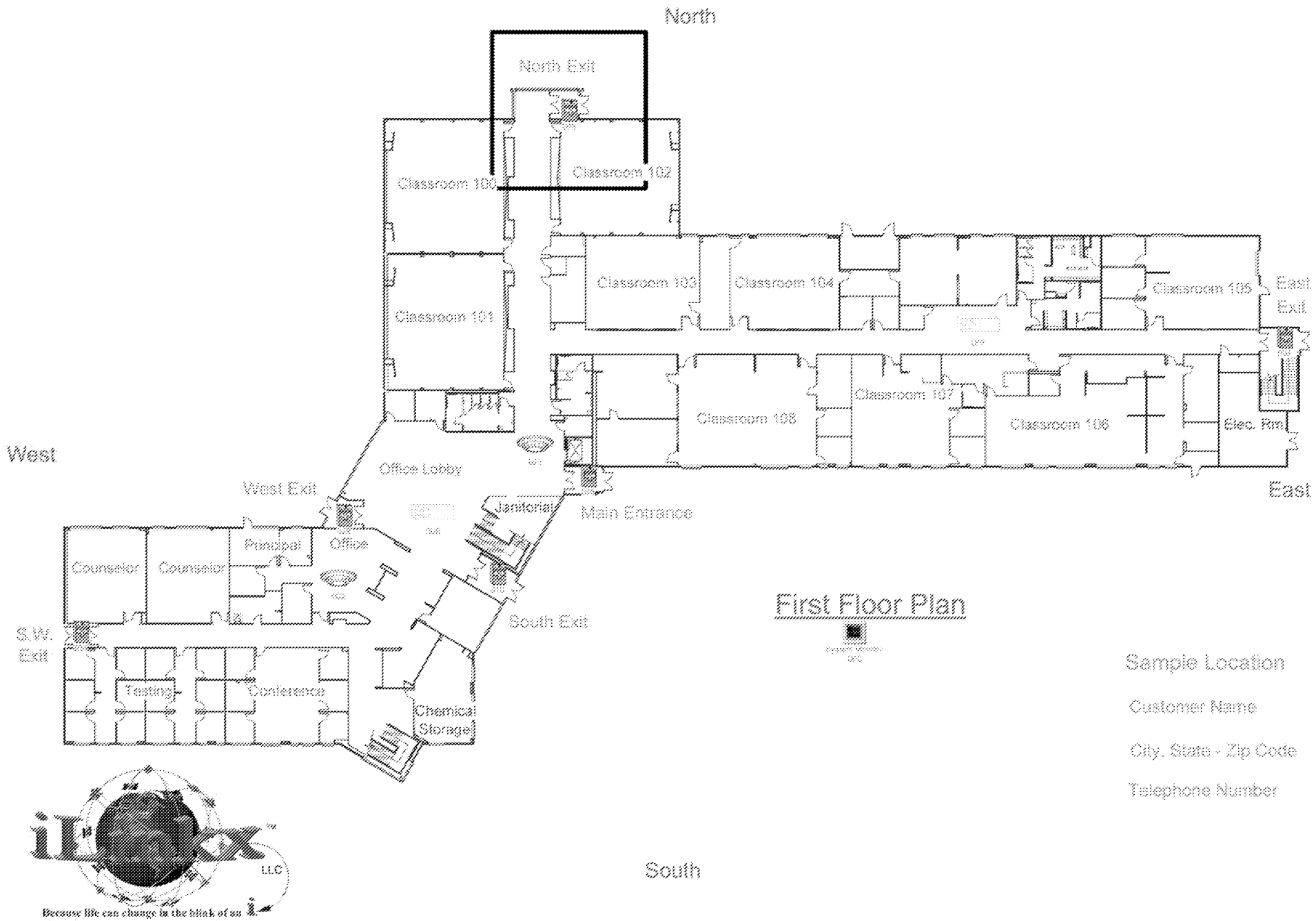
7/22/2009 1:07:23 PM 010001 003 Hazardous Material Storage



7/22/2009 1:07:23 PM 010001 002 Exit Paths of Travel



7/22/2009 1:07:23 PM 010001 003 Manual Pull - North Exit



Fire & Security Alarms – Carbon Monoxide - Hazardous Materials – As-Built Drawings – Evacuation Routes – Utility Disconnects

NFPA MEMBER 2008-2009

iLinkx LLC

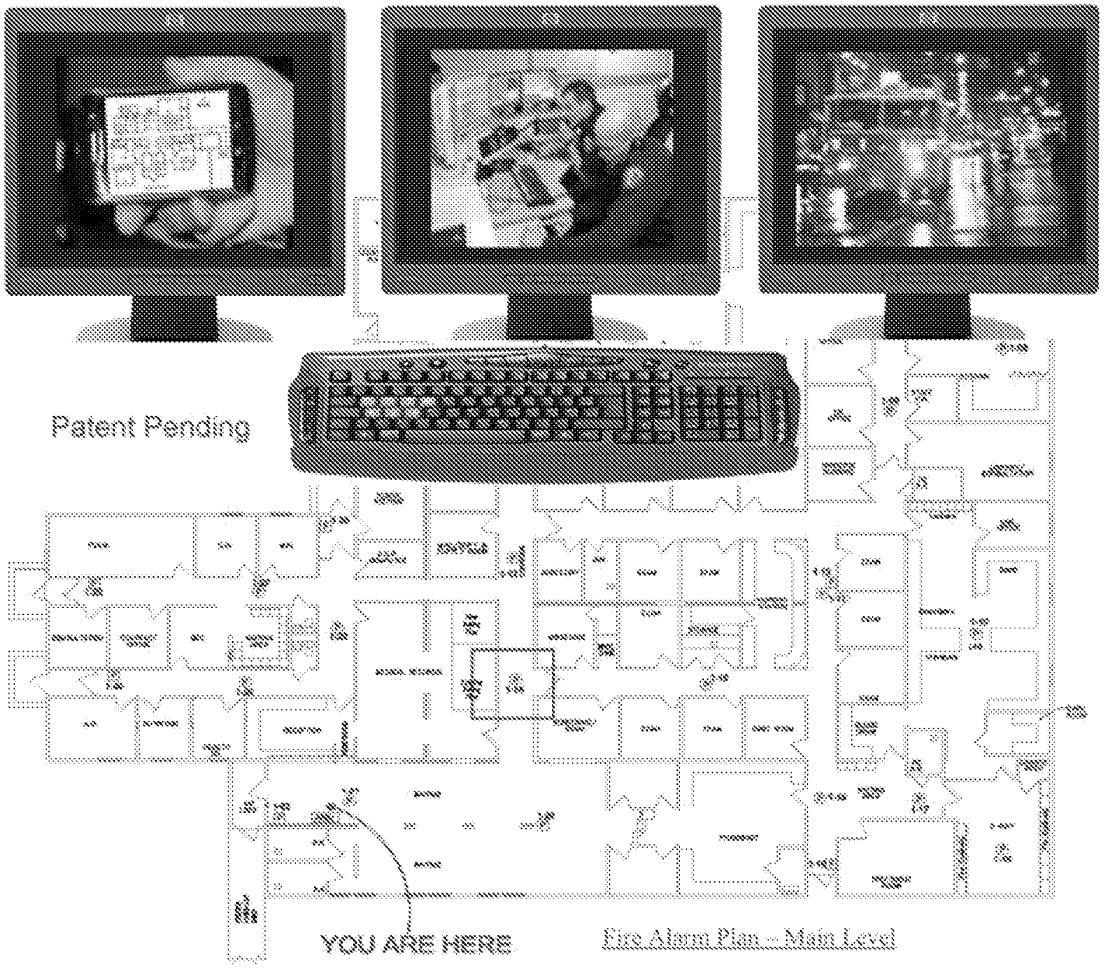
Because life can change in the blink of an i

Sustaining Member

iLinkx is your connection to critical information

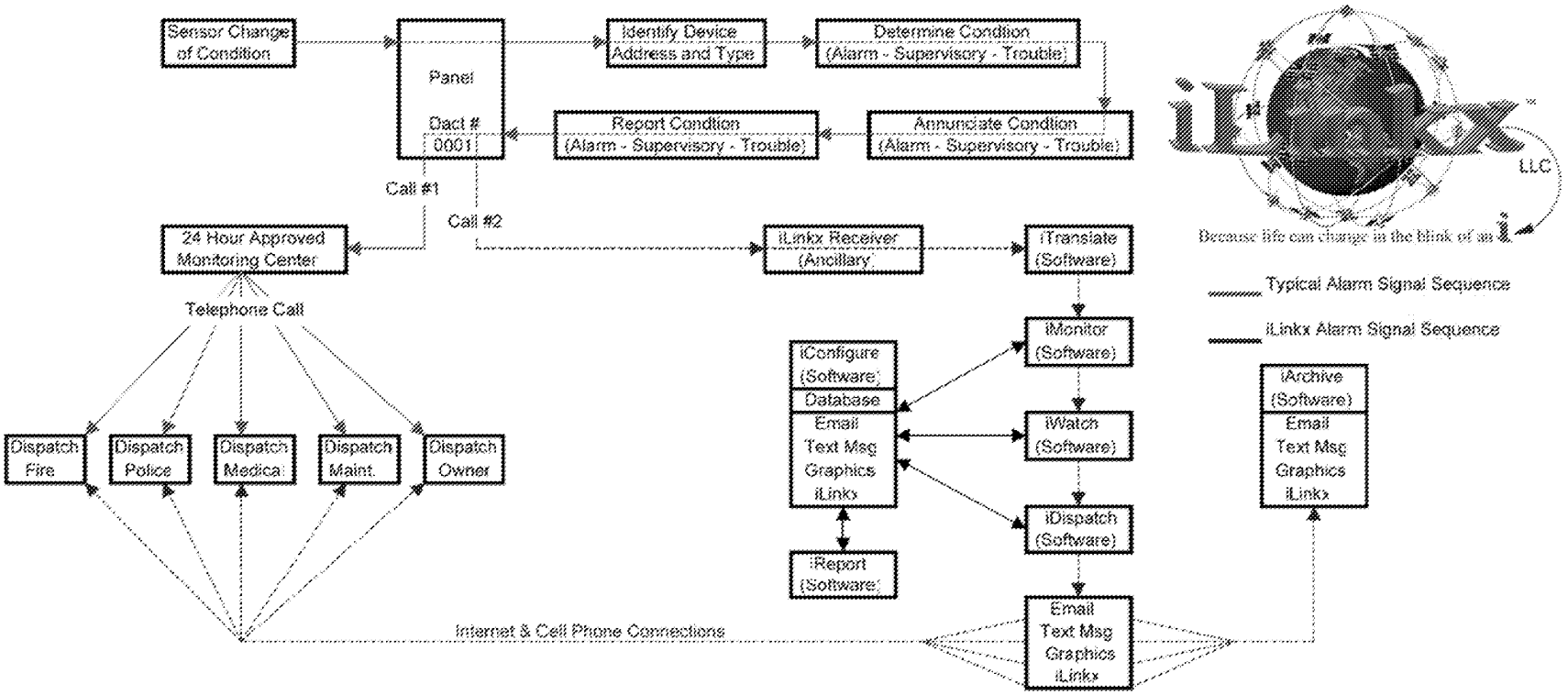
Use your existing network connection and unleash the power to display critical information as it occurs, in real time with just a few simple clicks. *iLinkx* is ideal for Authorities, Management, and other First Responders. It's a useful tool for conducting maintenance or code compliance testing.

Today's technology offers mobility and *iLinkx* has made that mobility affordable. So the next time you receive a critical signal, simply make a few simple clicks and display it, because life can change in the blink of an i



Fire Alarm Plan – Main Level

Contact Us: 3848 E. Lookout Drive, Coeur d'Alene, Idaho 83815 Phone 800-788-8016 Fax: 800-788-8017 ilinkx@sprynet.com



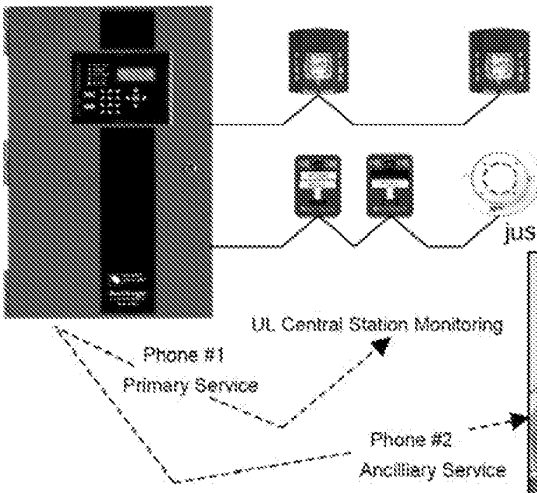
1) *Central Stations provide phone call only - dispatch service.*
2) *iLinkx unleashes the power of the internet, networks and cellular connections with its Patent Pending technology.*
3) *iLinkx provides first responders with critical site information such as floor plans, hazardous material storage, utility disconnects, etc.*
4) *iLinkx provides automatic emails without operator intervention.*
5) *iLinkx provides automatic text messages without operator intervention.*
6) *iLinkx provides automatic Color Graphic images and premise information.*
7) *iLinkx pinpoints the exact location of the device in alarm and may include GPS coordinates if desired.*
8) *iLinkx information can be downloaded and stored for easy reference by recipient.*
9) *iLinkx information can be printed for easy reference by recipient.*
10) *iLinkx is compatible with industry standard "Contact ID" communication format avoiding costly equipment interfaces.*
11) *iLinkx notifies recipient 10 - 30 times sooner than typical central station service. (Typically less than 15 seconds after receipt of signal)*
12) *iLinkx is compatible and can link IP based Close Circuit TV Camera Systems.*
13) *iLinkx is only a fraction of the cost of an on-site color graphics annunciation system.*
14) *iLinkx avoids the costly expense of never-ending software upgrades and ongoing training cost.*
15) *iLinkx easily interfaces with mass notification systems.*
16) *iLinkx records are permanently archived for the generation of custom activity reports when necessary.*
17) *Much more information-*
18) *to many more individuals-*
19) *in much less time!*
20) **Because life can change in the blink of an i ™**

- *Fire & Security Alarms*
- *Carbon Monoxide*
- *Hazardous Materials*
- *As-Built Drawings*
- *Emergency Exits*
- *Extinguishers*
- *Hydrant & Stand Pipes*
- *Utility Disconnects*

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- *UL Central Station Service*
- *Contact ID Format*
- *Cell Phone Text Message*
- *Browser Compatable*
- *Auto Email Notification*
- *Graphic Display iLinkx*
- *CCTV Video iLinkx*
- *Historical Data Reports*



iLinkx - *Your connection to critical information*

Use your existing network connection and unleash the power to display critical information as it occurs, in real time with just a few simple clicks. iLinkx, is ideal for Authorities, Management and other First Responders. It's a useful tool for conducting maintenance and code compliance testing.

Today's technology offers mobility and iLinkx has made that mobility an affordable reality. So the next time you receive that critical signal, just make a few simple clicks Because life can change in the blink of an i



First Responders:

- *Building Floor Plans*
- *Hazardous Material Locations*
- *Hydrant & Stand Pipe Locations*
- *Utility Disconnects*

Management:

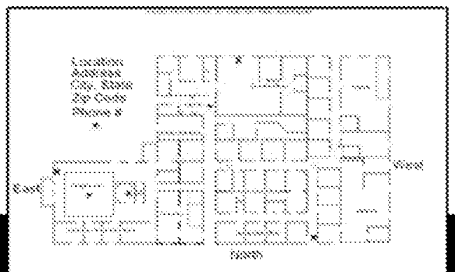
- *Emergency Disaster Plan*
- *Building Floor Plans*
- *Extinguisher Locations*
- *Emergency Exits*
- *As-Built Drawings*

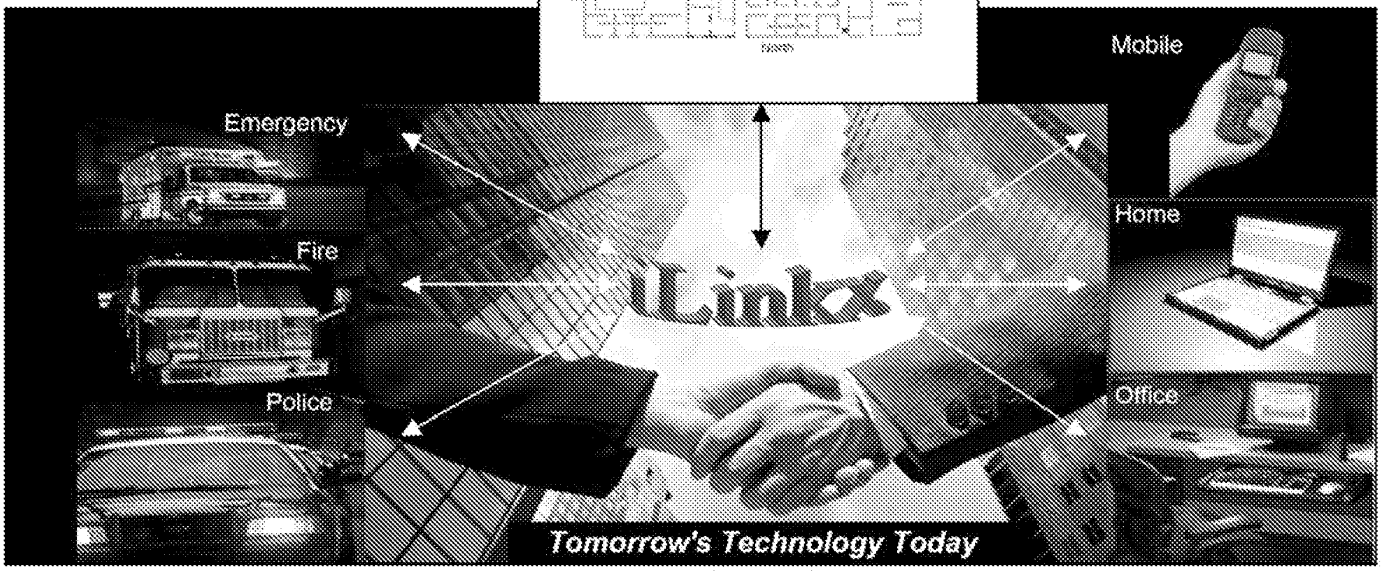
Occupants:

- *Evacuation Procedures*
- *Emergency Exits & Stair Wells*
- *Designated Handicap Safe Areas*

Contact ID Reporting Format

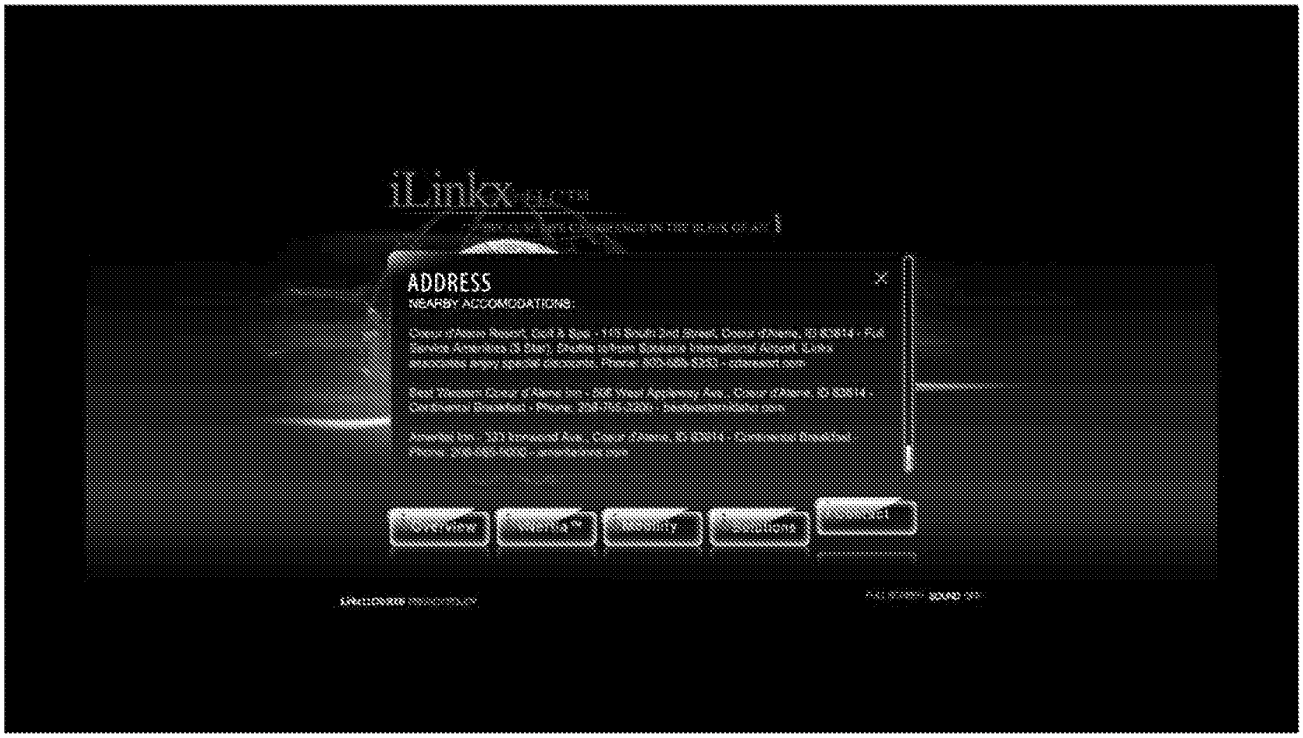
iLinkx, accepts signals from existing systems without the need of additional equipment. Information is processed in an ancilliary form and is automatically distributed to approved users via iLinkx based text messages & emails. Display, print and share that critical signal information with just a few simple clicks. Because life can change in the blink of an i

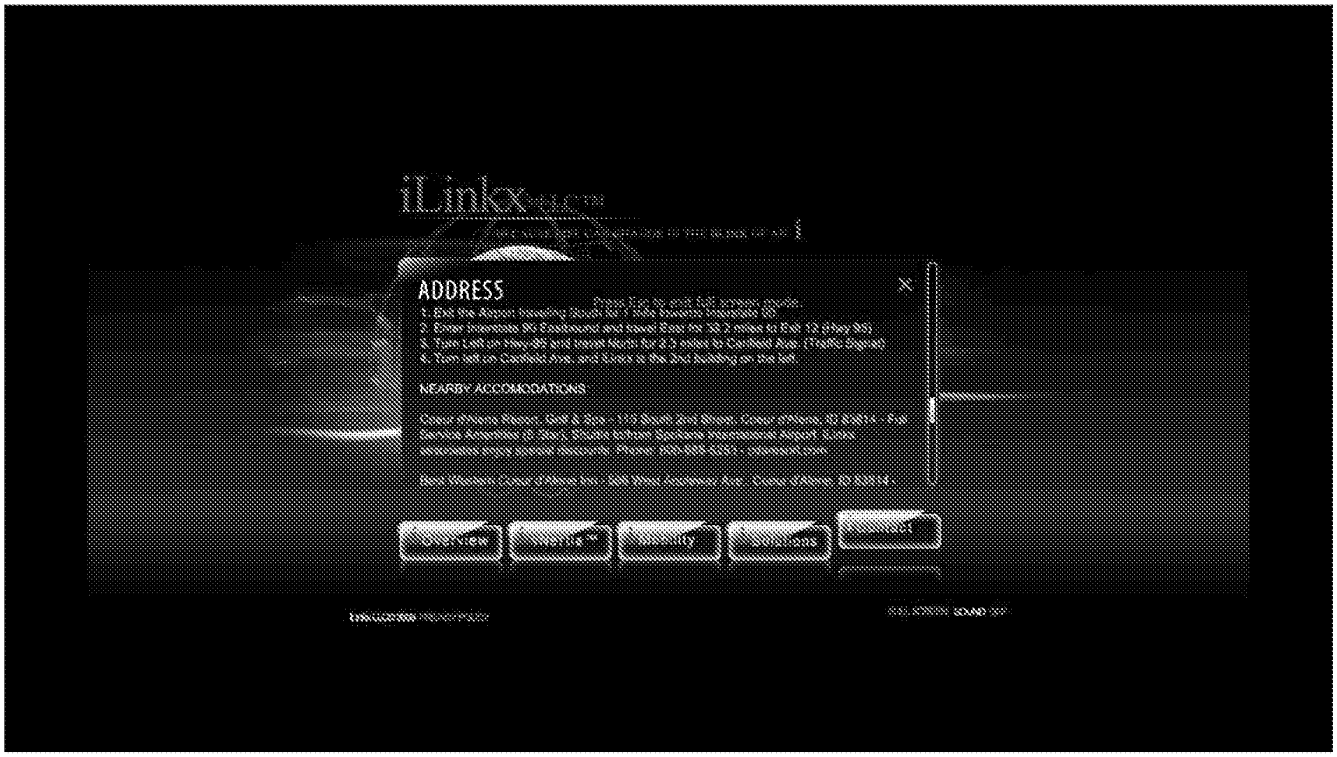




Patent Pending

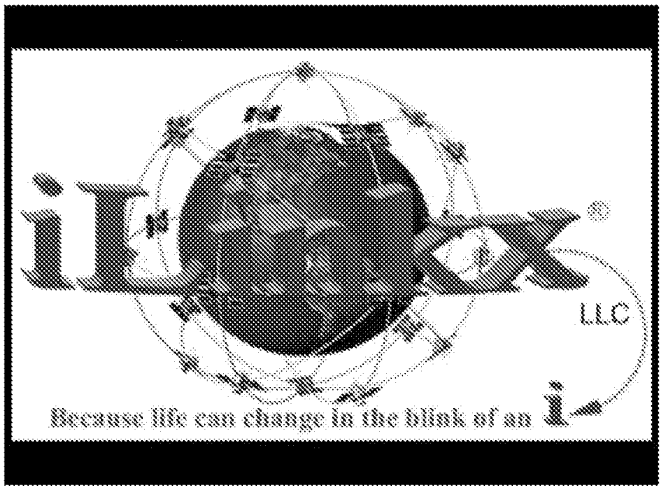
iLinkx LLC 3848 E. Lookout Dr., Coeur d' Alene, ID 83815 - Ph: 800-788-8016 Fax: 800-788-8017 email: ilinkx@sprynet.com


ADDRESS
NEARBY ACCOMODATIONS:

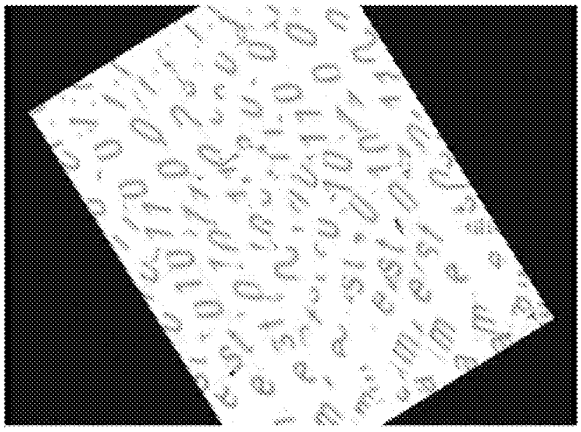

ADDRESS
NEARBY ACCOMODATIONS


ADDRESS
DIRECTIONS FROM SPOKANE INTERNATIONAL AIRPORT:


iLinkx DATA PROCESS CENTER
REQUEST INFO

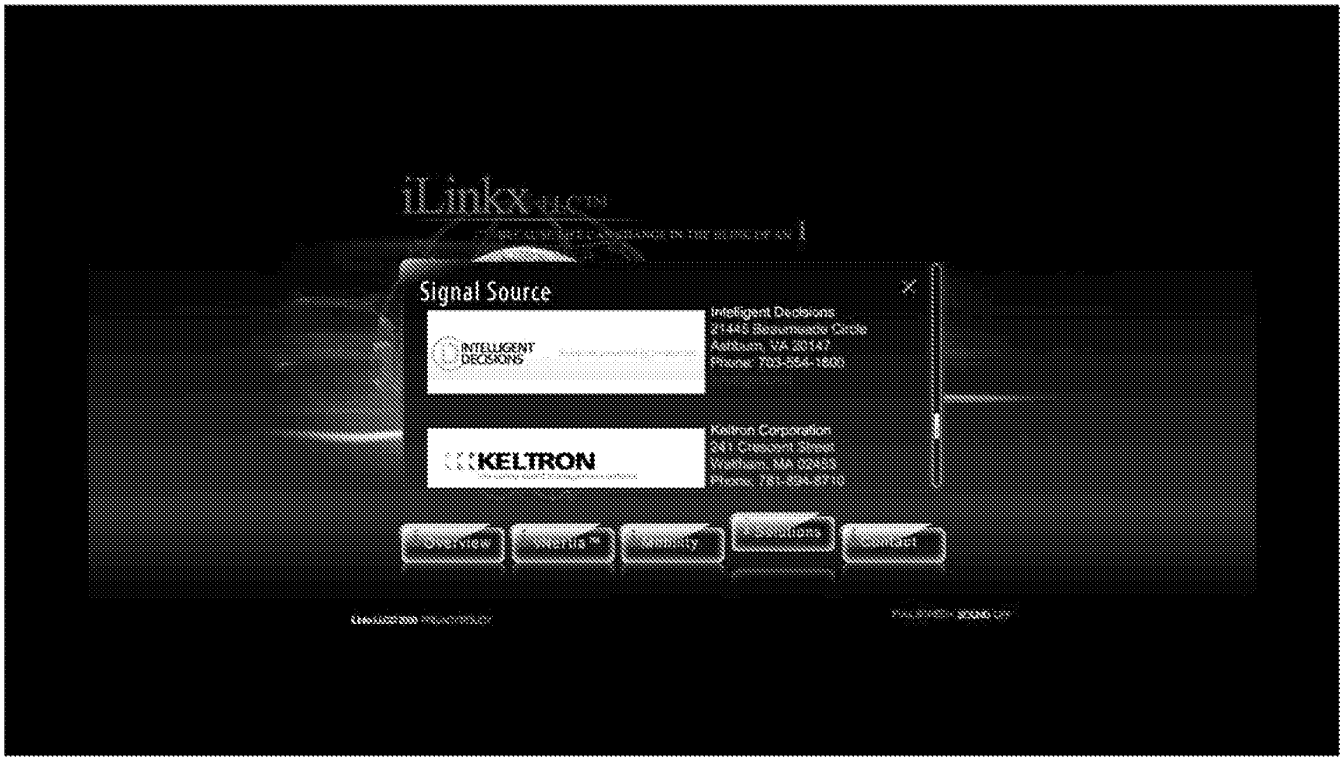

LLC
Because life can change in the blink of an i





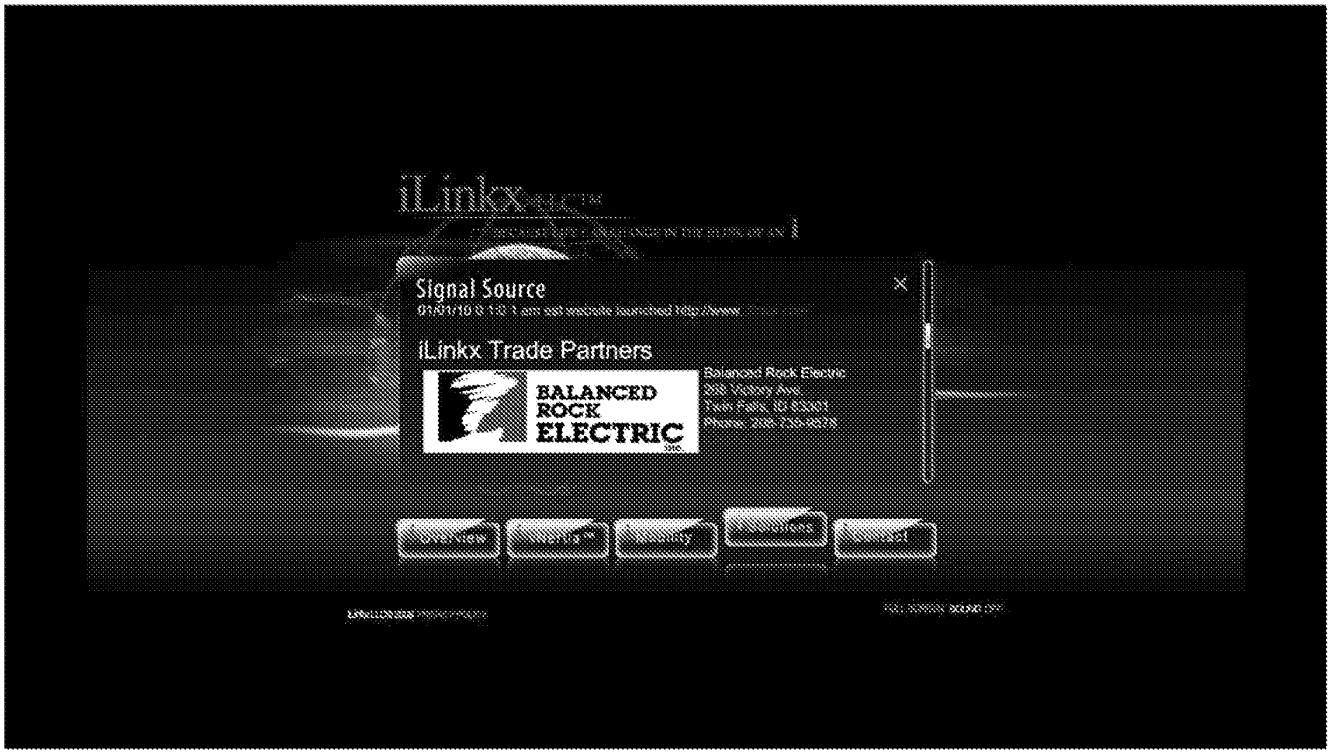

iLinkx.com
Date: 01/01/10
Time: 01:01 a.m.
Eastern Standard Time


iLinkx
Signal Source
Rescue Logic
TCAssociates


Signal Source
INTELLIGENT DECISIONS
KELTRON


Signal Source
QSL Electric
Overview
Settings
Security
Utilities
Logout

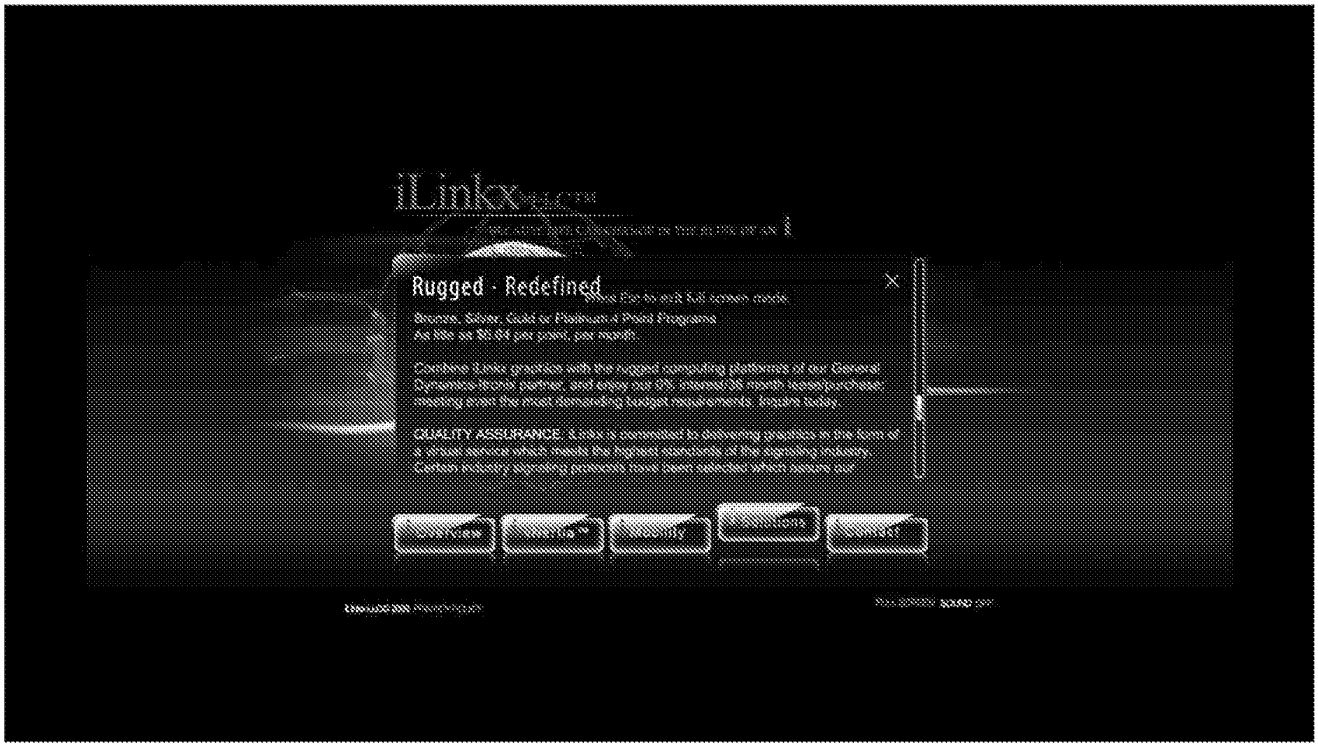

Signal Source
DTECH LABS
DTECH LABS
DIVERSE MISSION SOLUTIONS
General Dynamics - Itronix


Signal Source
iLinkx Trade Partners
BALANCED ROCK ELECTRIC


Signal Source


Signal Source
TOMORROW'S TECHNOLOGY TODAY


Rugged - Redefined


Rugged - Redefined


Rugged - Redefined


Rugged - Redefined


Specifications


Specifications


Specifications


Specifications


Specifications

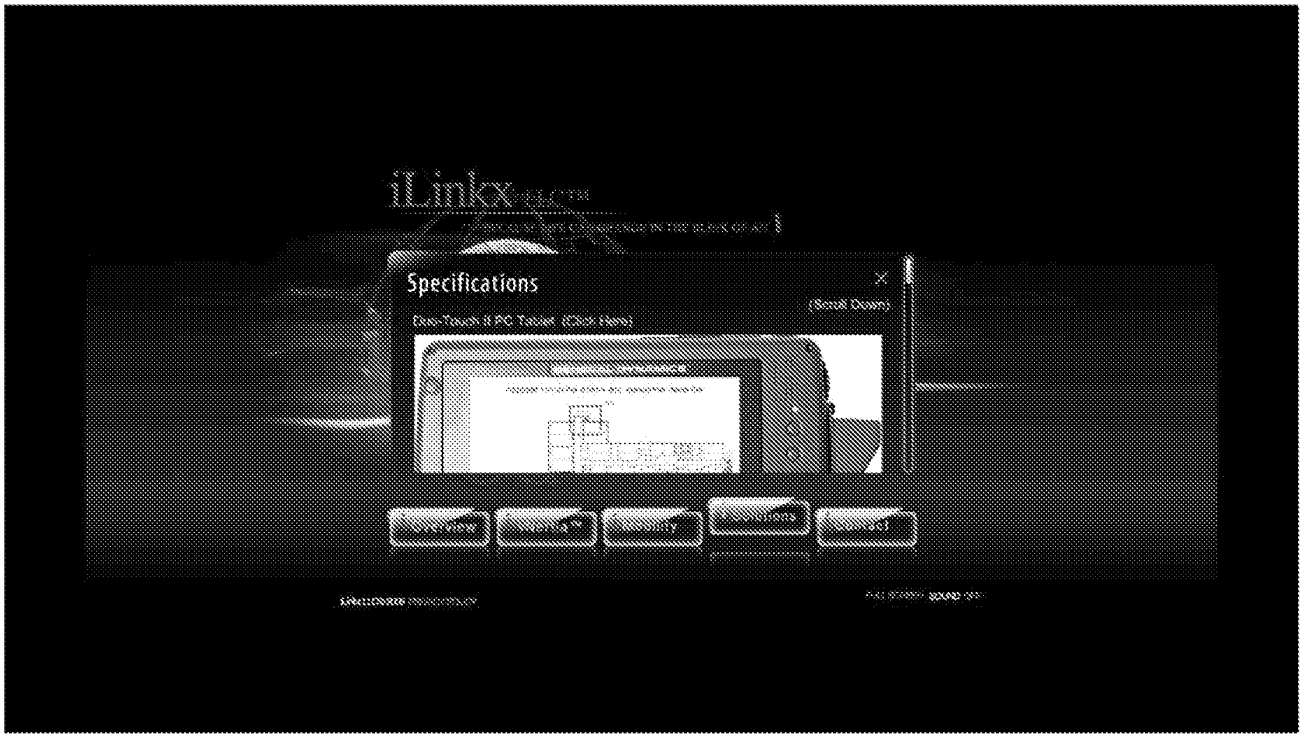

Specifications


Specifications


Specifications

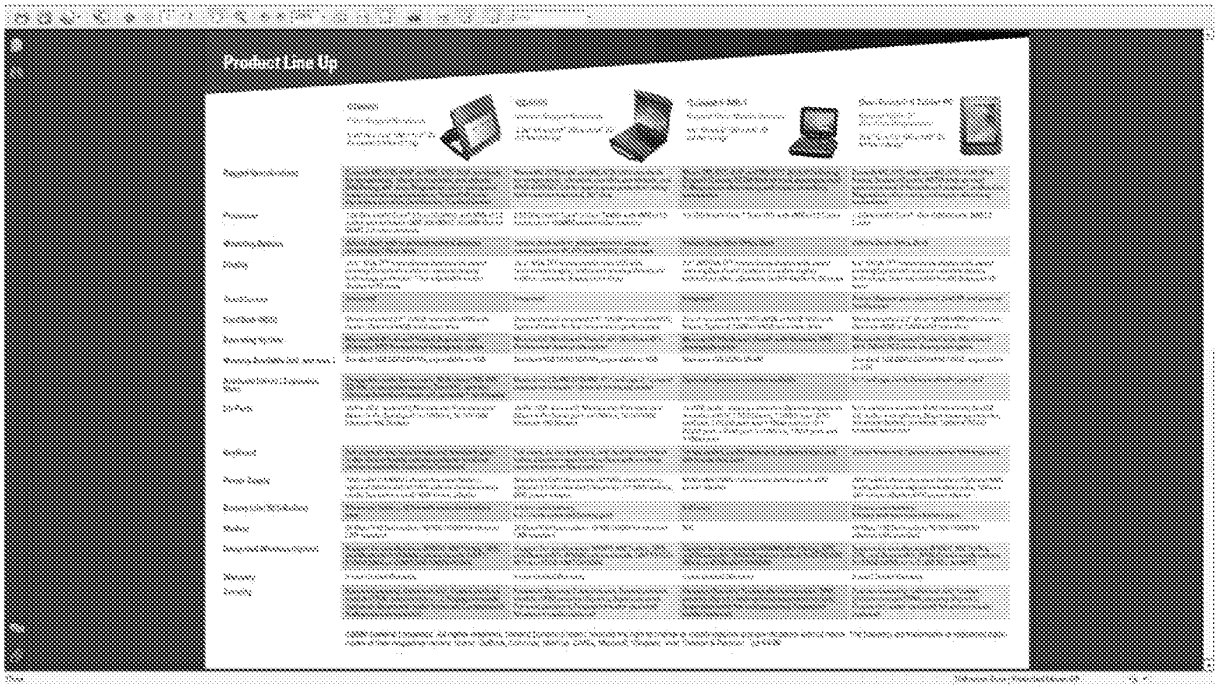

Specifications

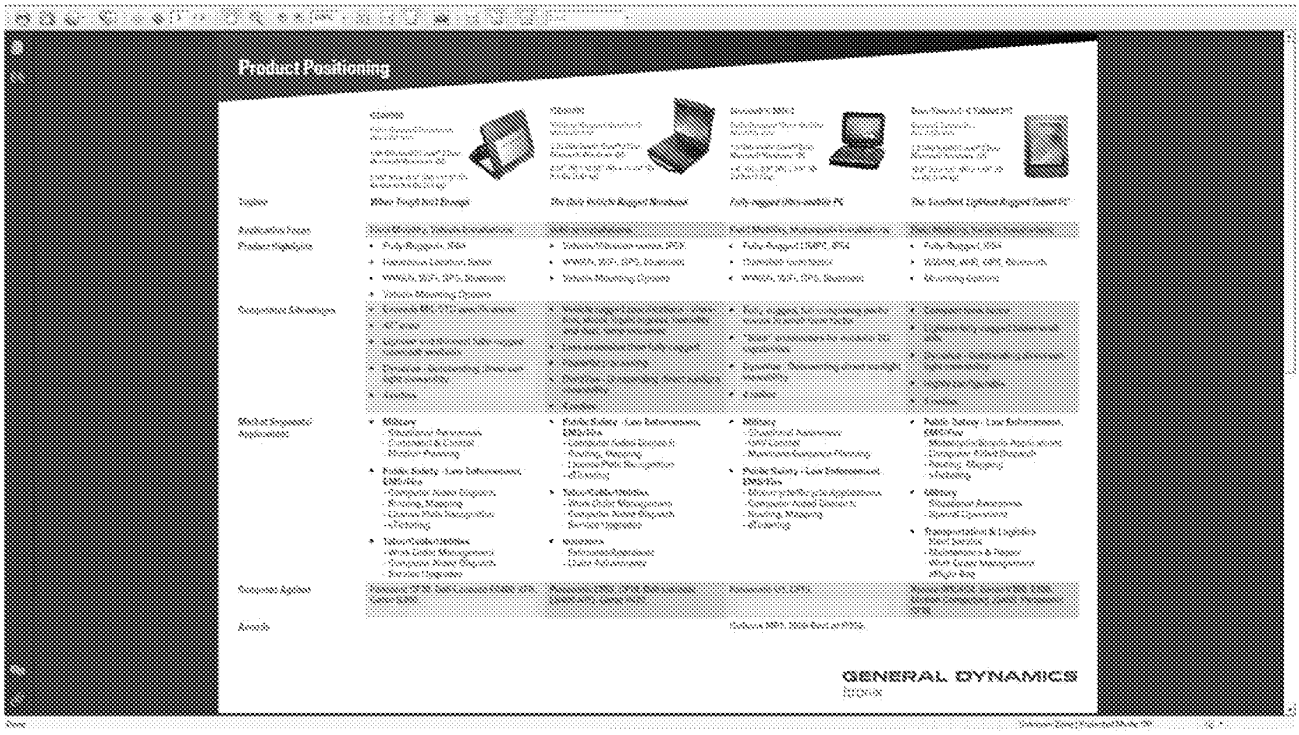

Specifications


Specifications
(Scroll Down)


the right GEAR


.com
iLinkx
iLinkx.com
Presents
General Dynamics
Itronix


Product Line Up


Product Positioning
GENERAL DYNAMICS


XTREME MACHINES

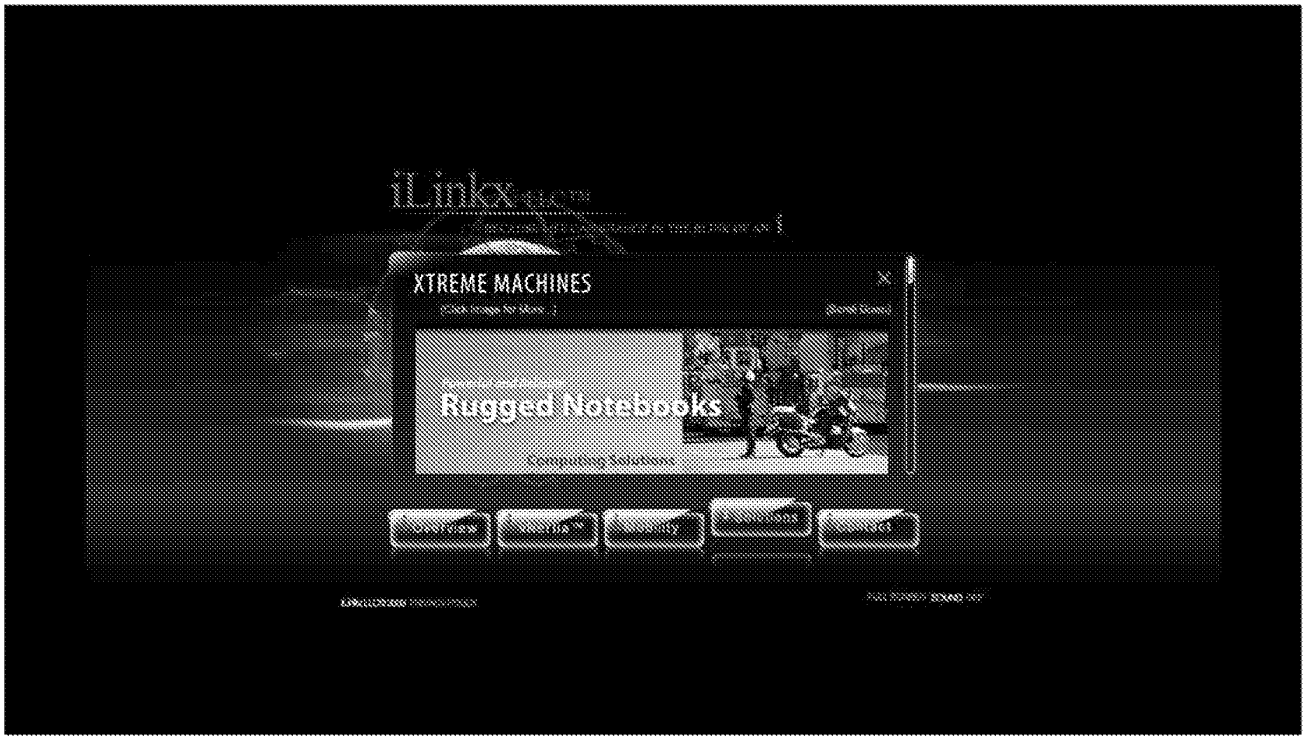

XTREME MACHINES
RELIABILITY
INNOVATION

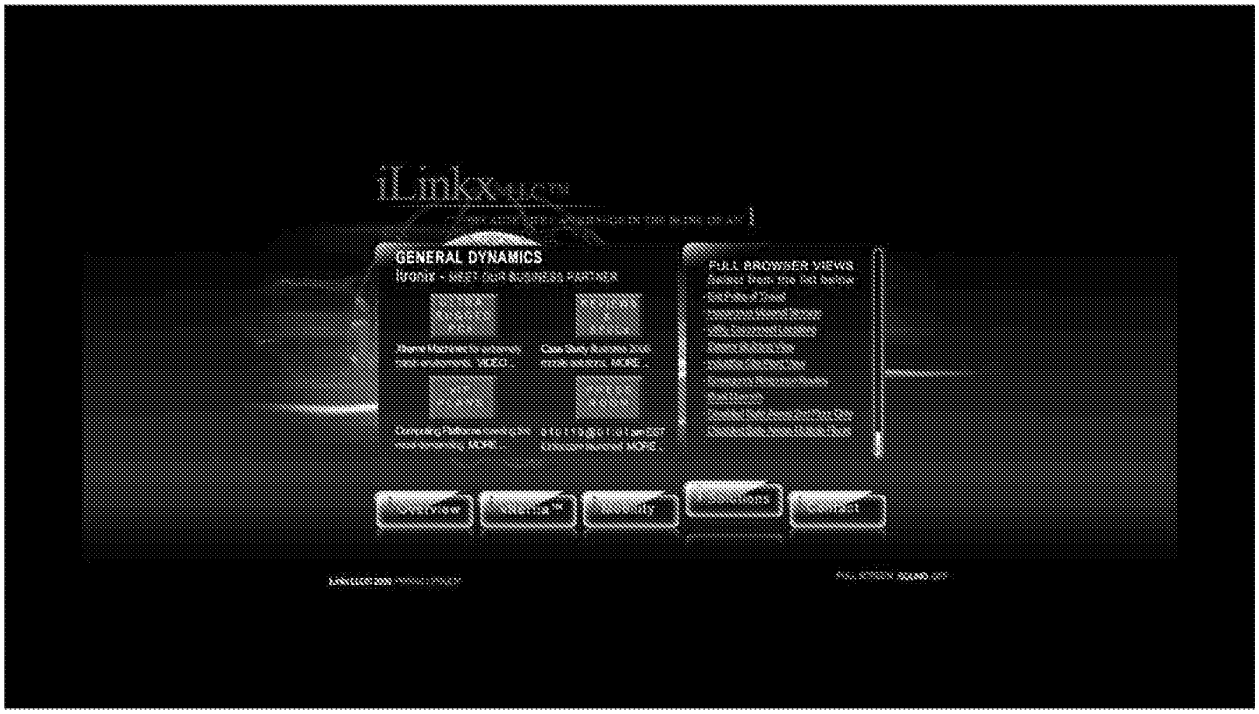

XTREME MACHINES

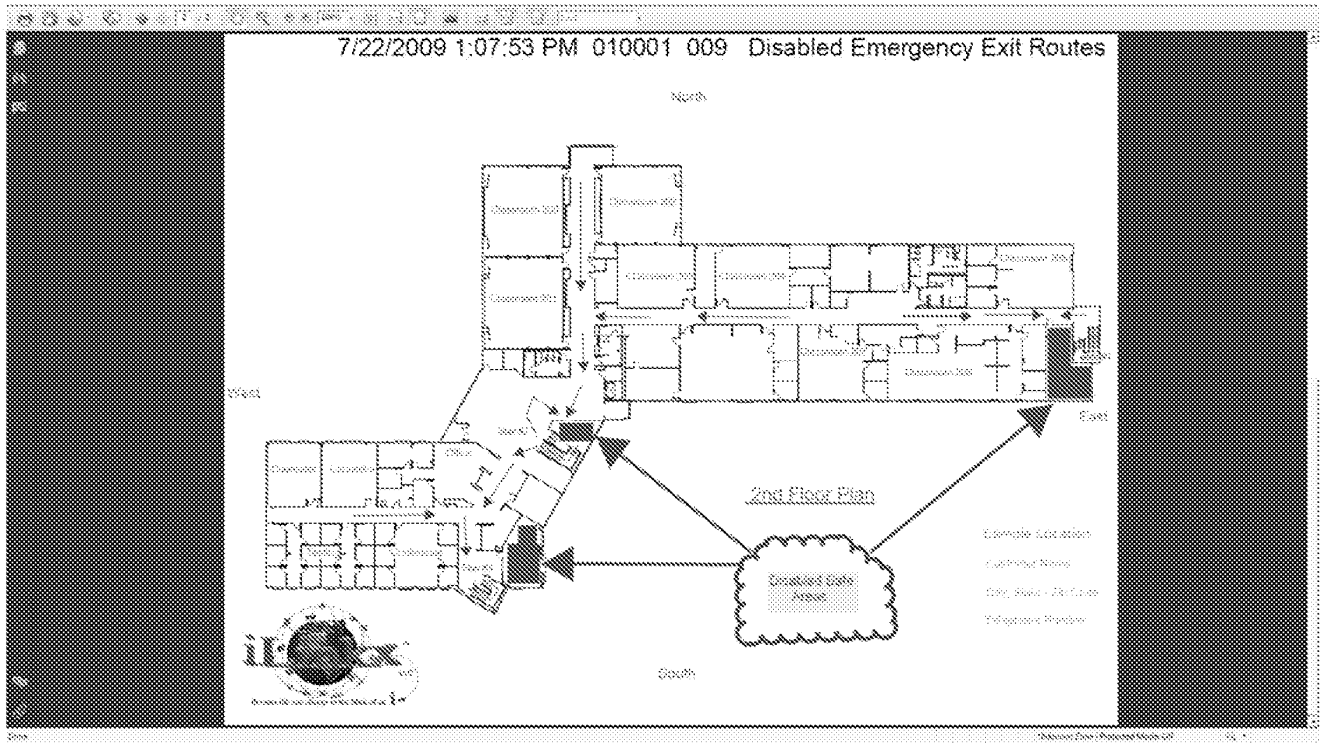

XTREME MACHINES
GENERAL DYNAMICS

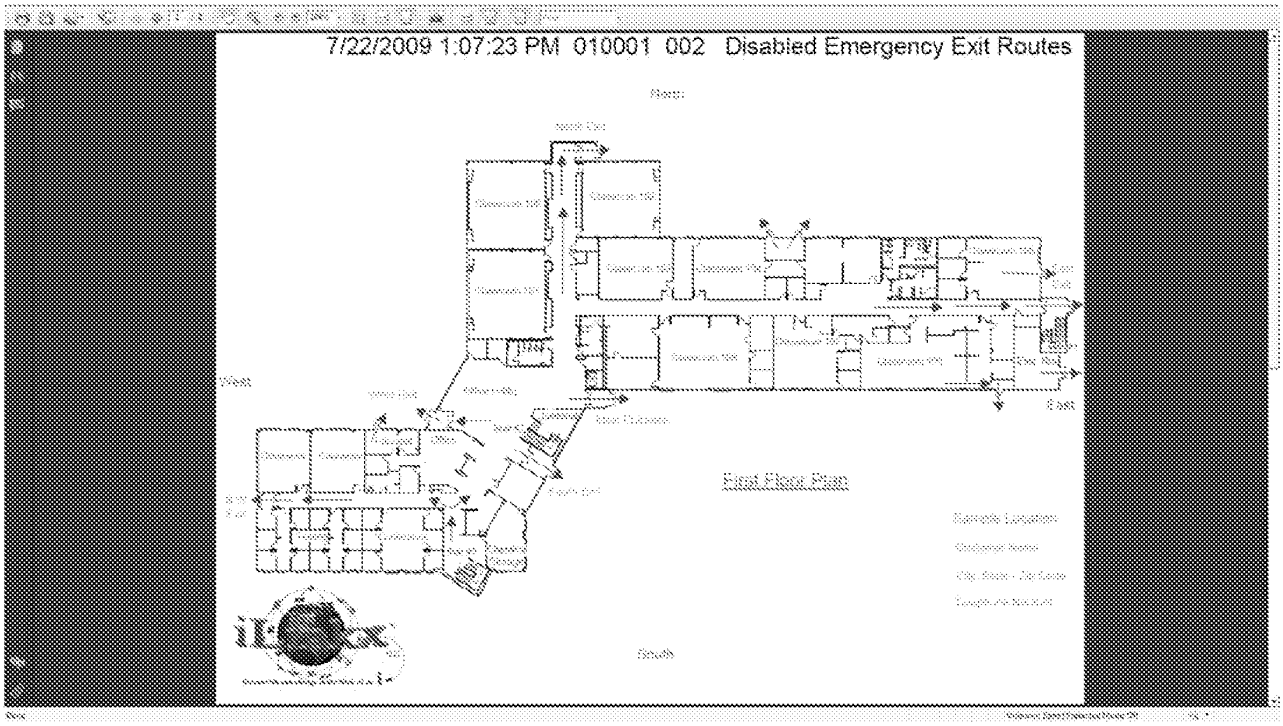

XTREME MACHINES

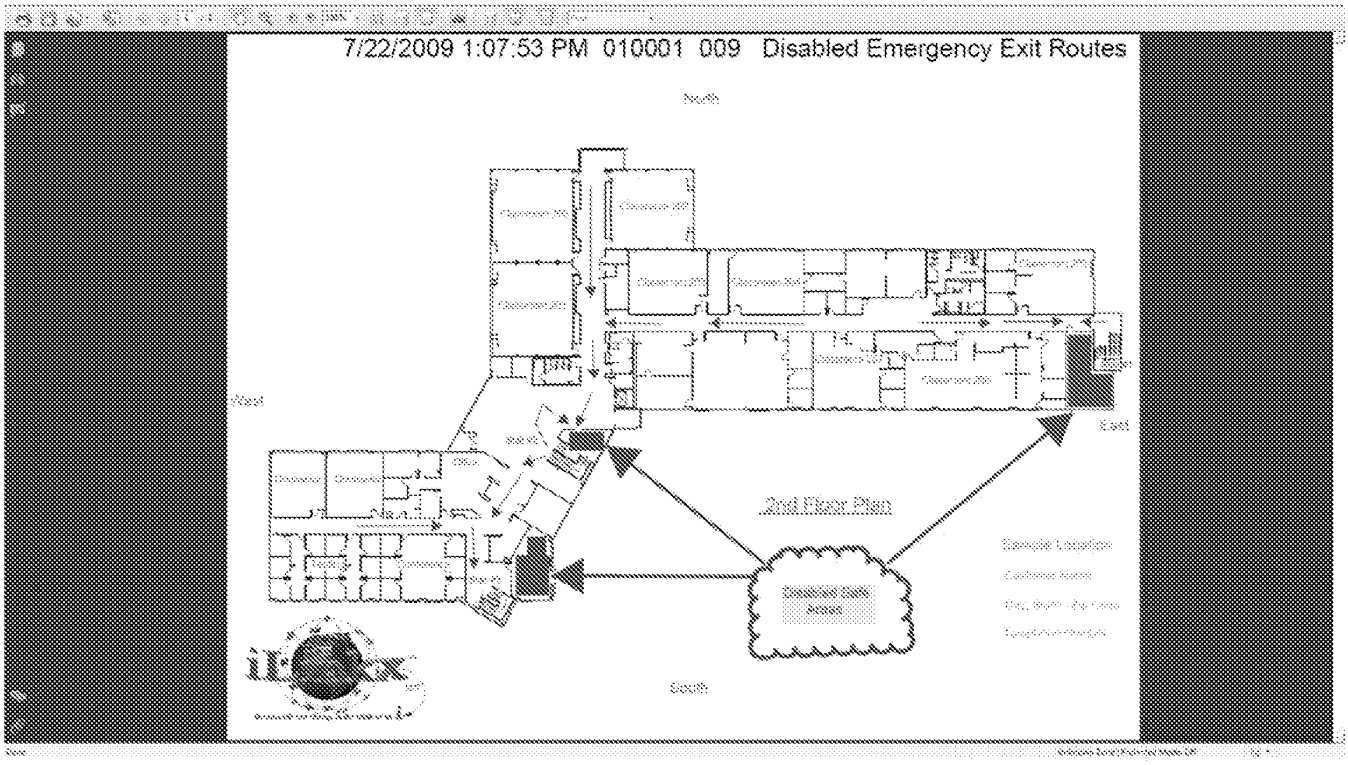

XTREME MACHINES

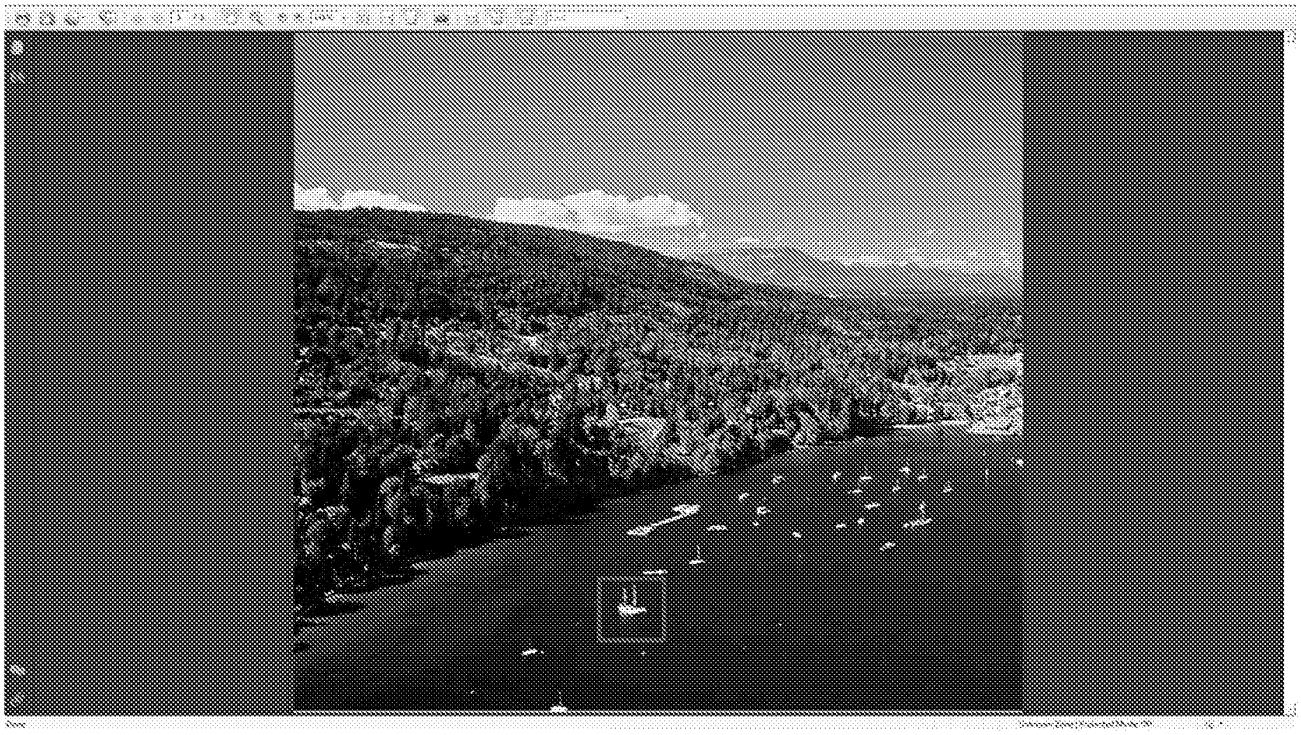

XTREME MACHINES
Rugged Notebooks


GENERAL DYNAMICS
FULL BROWSER VIEWS

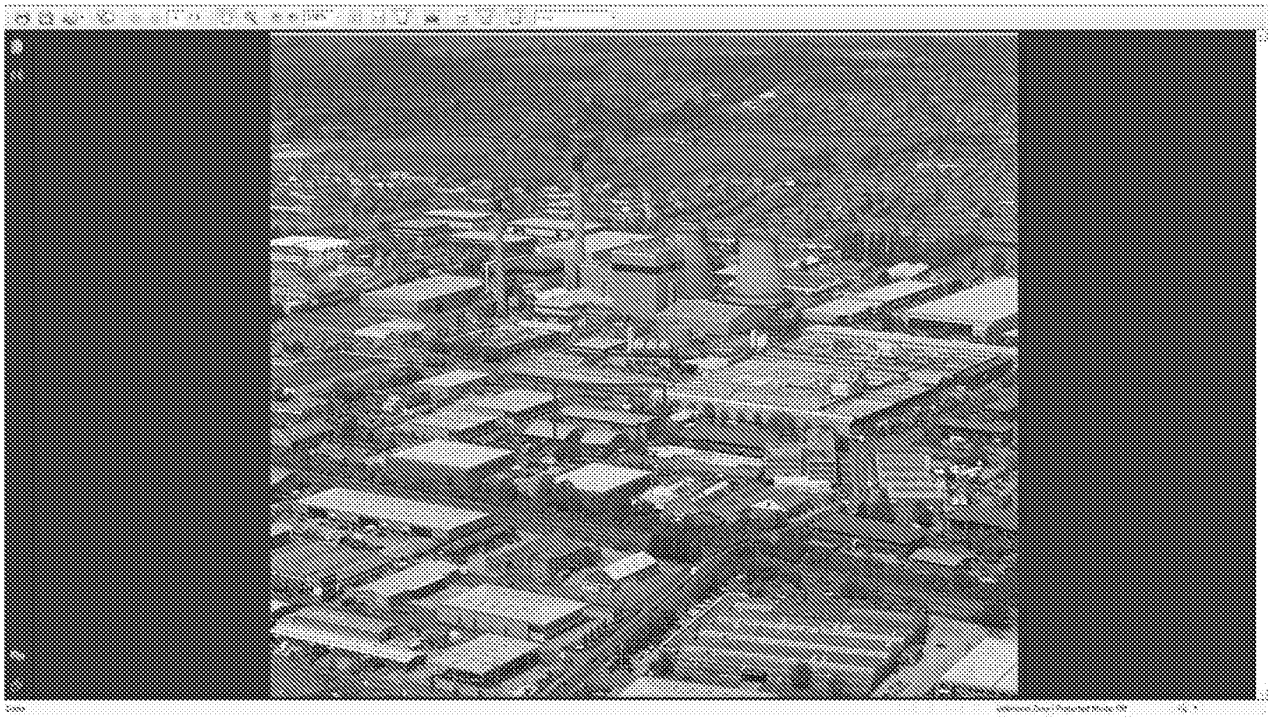

7/22/2009 1:07:53 PM 010001 009 Disabled Emergency Exit Routes
North
West
East
South
2nd Floor Plan

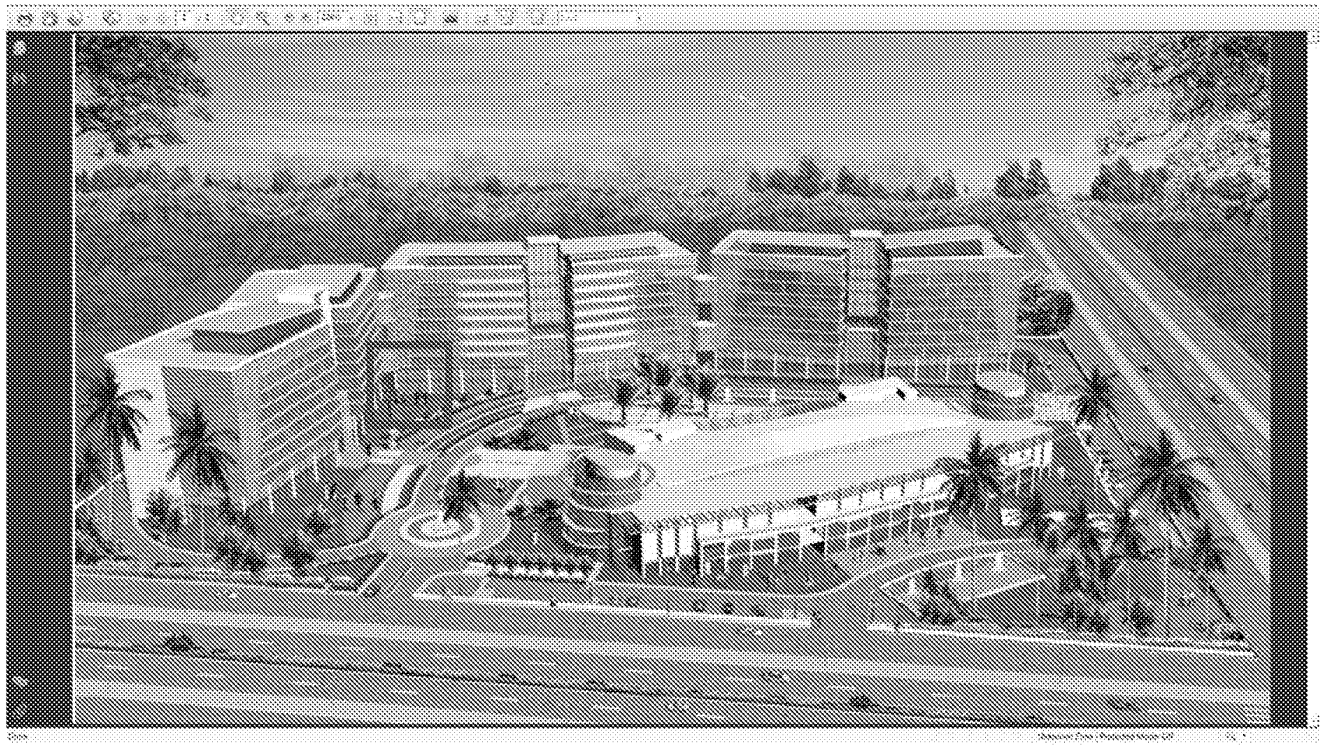

7/22/2009 1:07:23 PM 010001 002 Disabled Emergency Exit Routes
First Floor Plan

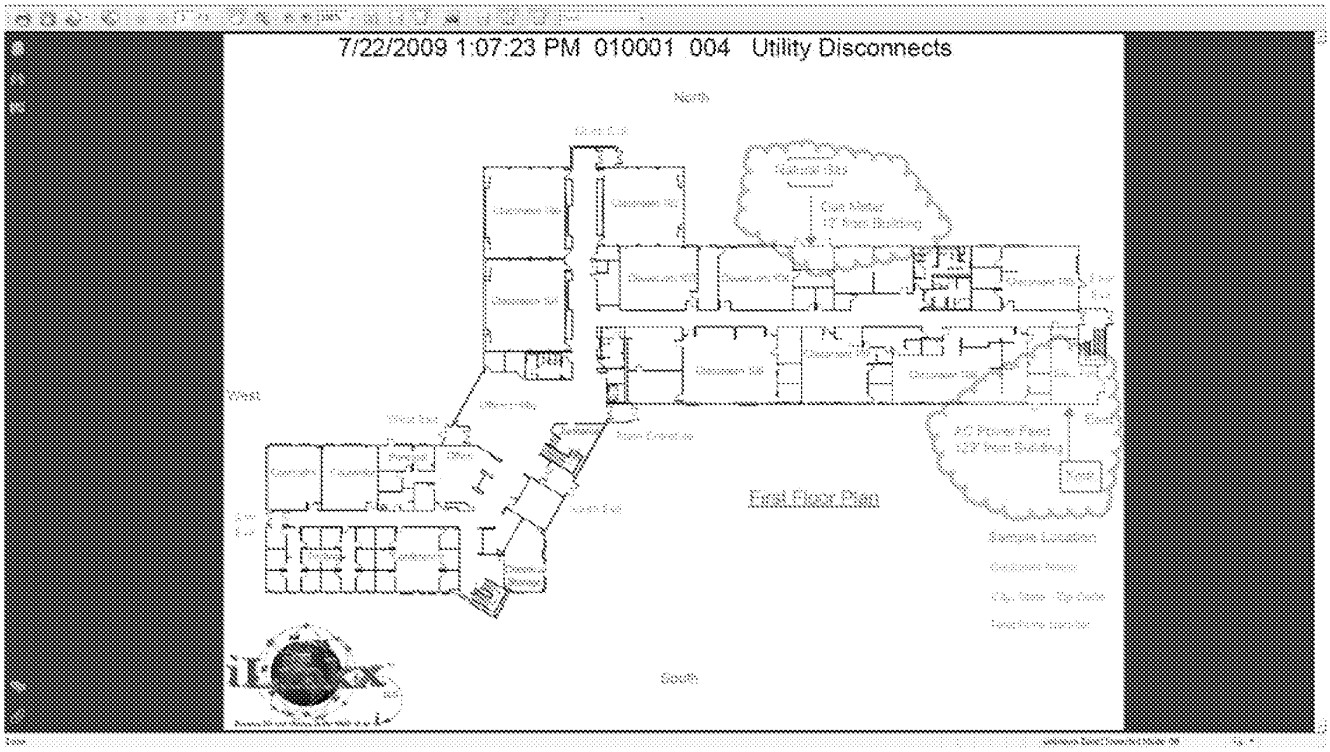

7/22/2009 1:07:53 PM 010001 009 Disabled Emergency Exit Routes
2nd Floor Plan

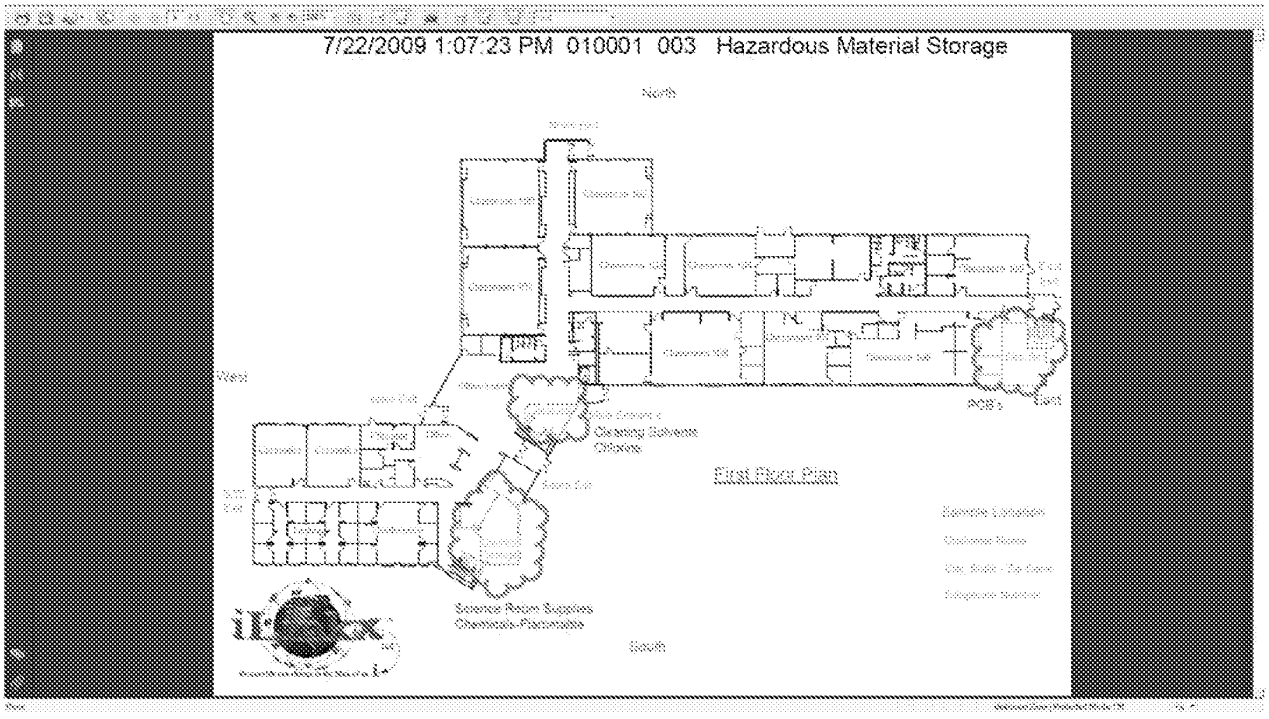


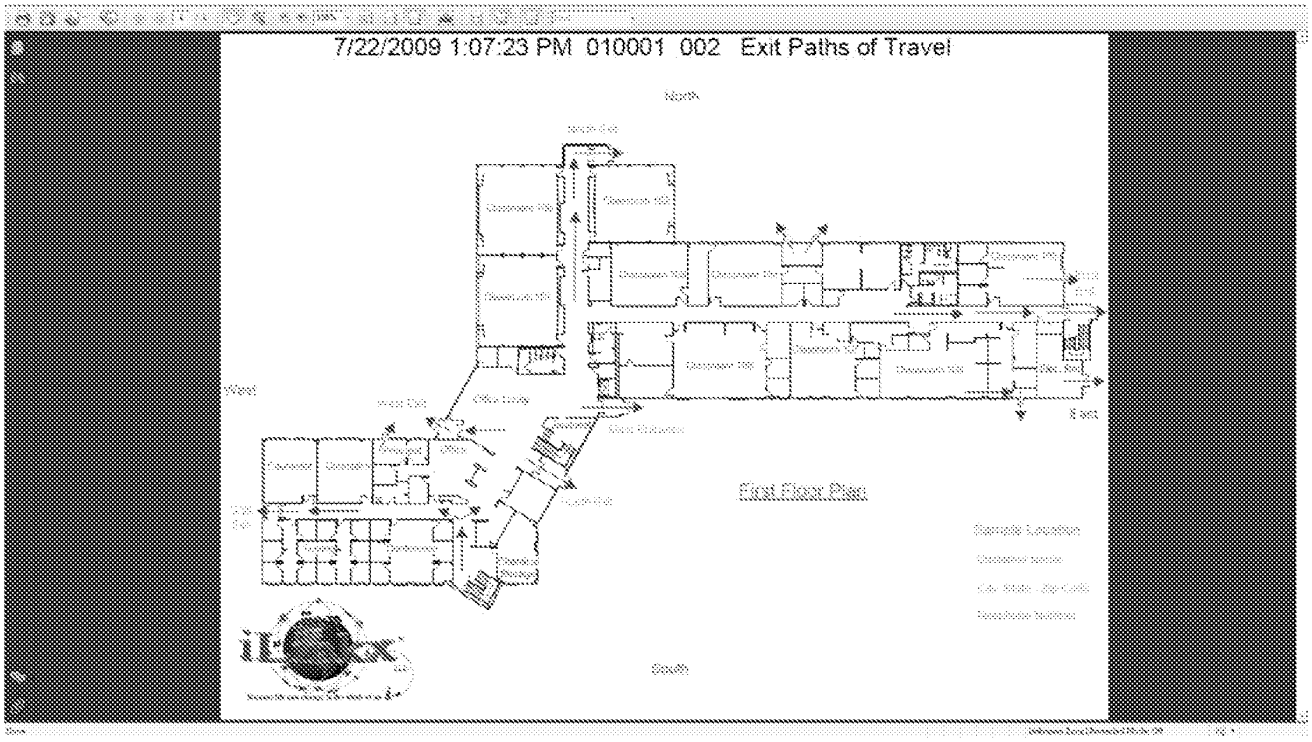
Primary Device

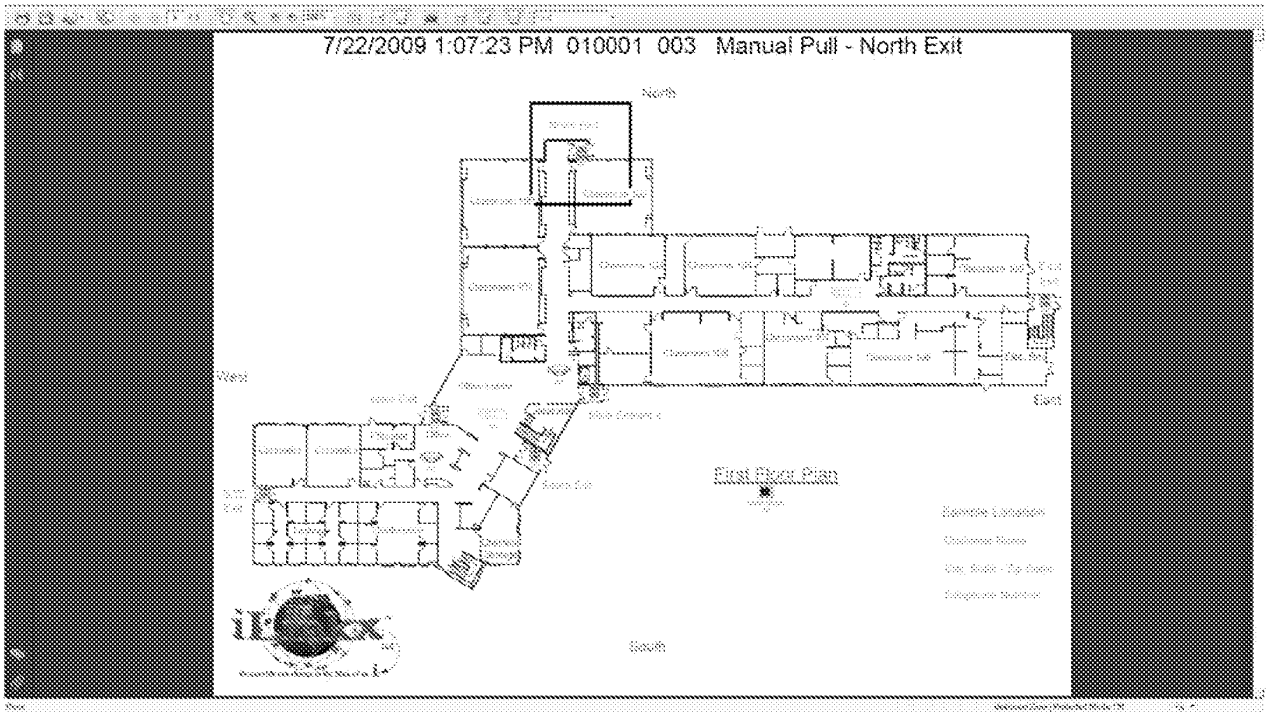





7/22/2009 1:07:23 PM 010001 004 Utility Disconnects
North
West
South
First Floor Plan

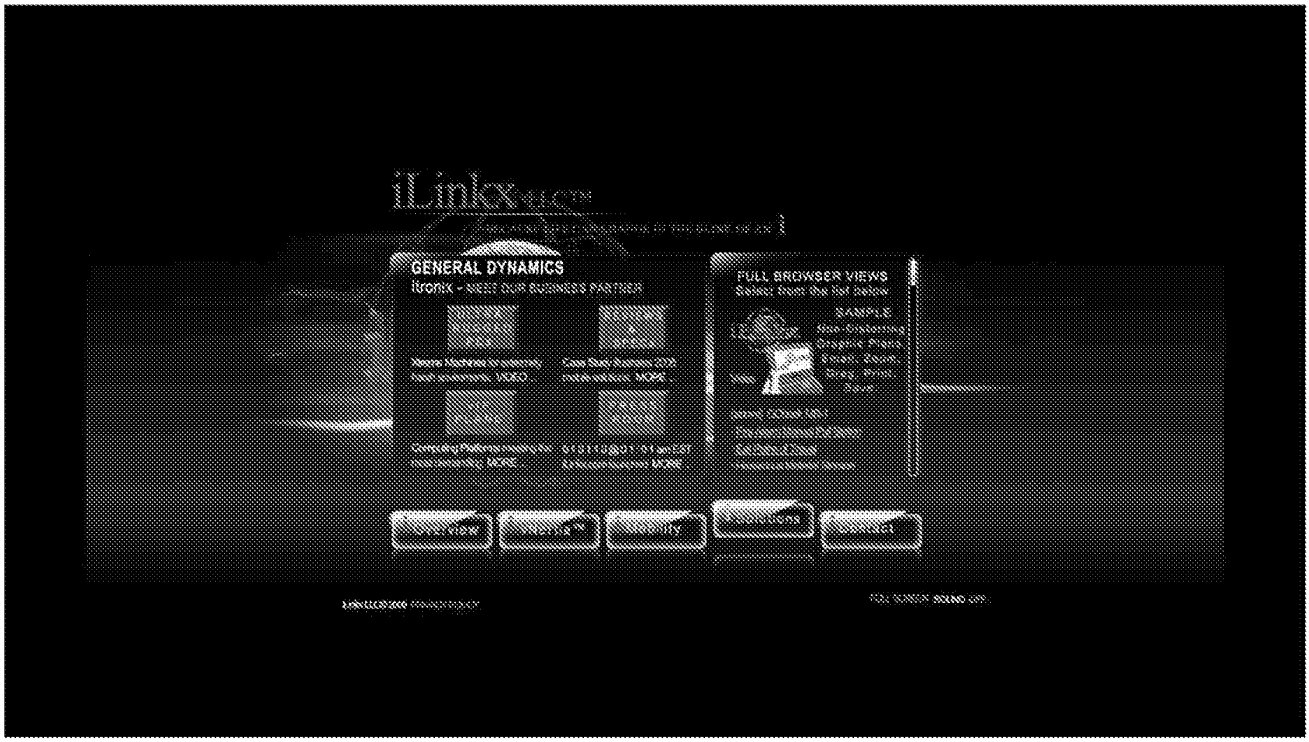

7/22/2009 1:07:23 PM 010001 003 Hazardous Material Storage
North
West
East
South
First Floor Plan


7/22/2009 1:07:23 PM 010001 002 Exit Paths of Travel
First Floor Plan

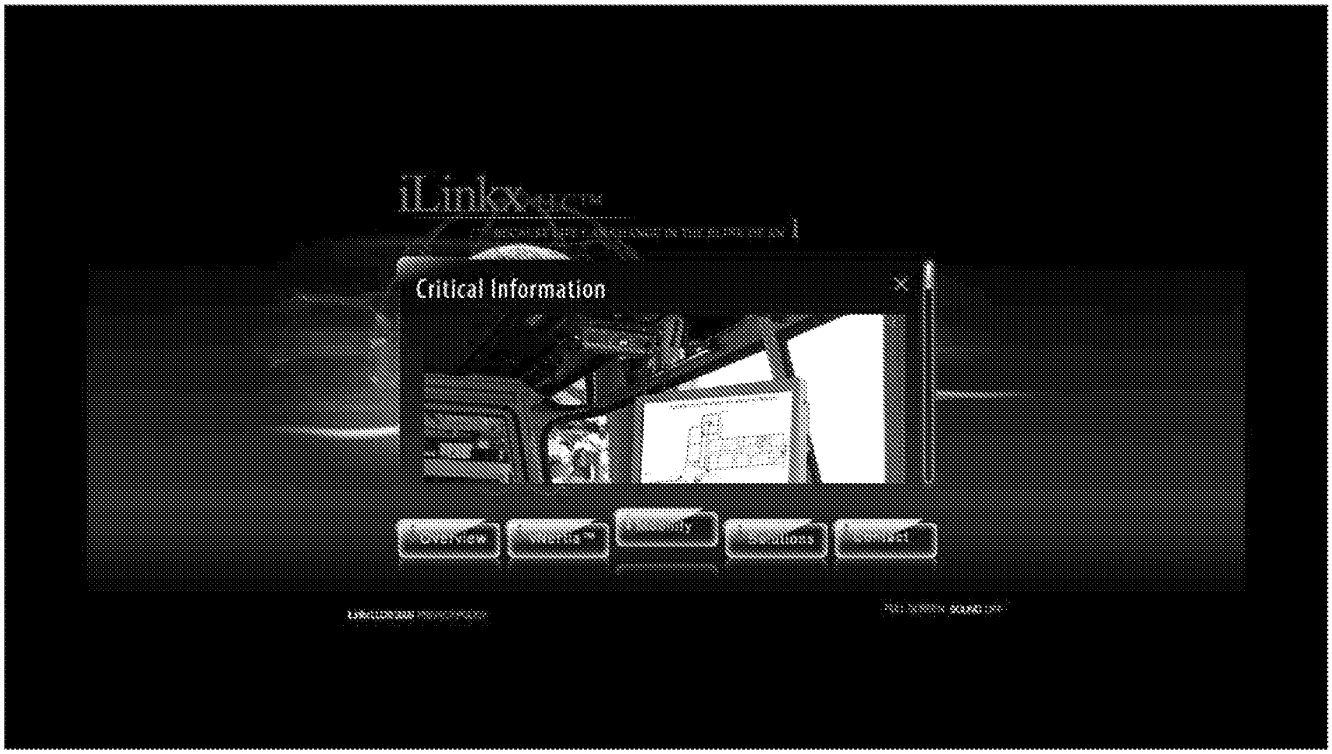

7/22/2009 1:07:23 PM 010001 003 Manual Pull - North Exit
North
West
East
South
First Floor Plan


enter seach keywords:
FULLY-RUGGED
ULTRA-MOBILE


iLinkx.com
Presents
General Dynamics
Itronix
GObook™ MR-1 Fully-Rugged
Ultra-Mobile Notebook

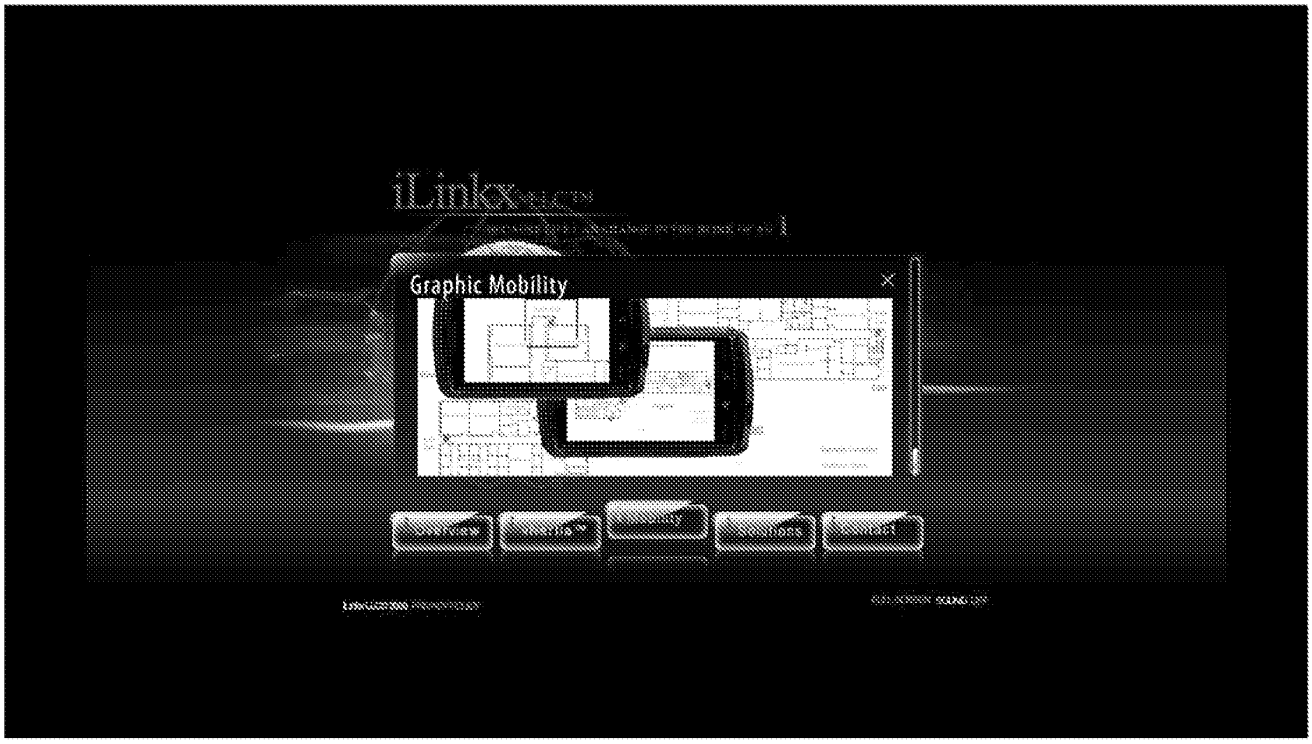

GENERAL DYNAMICS
FULL BROWSER VIEWS
SAMPLE

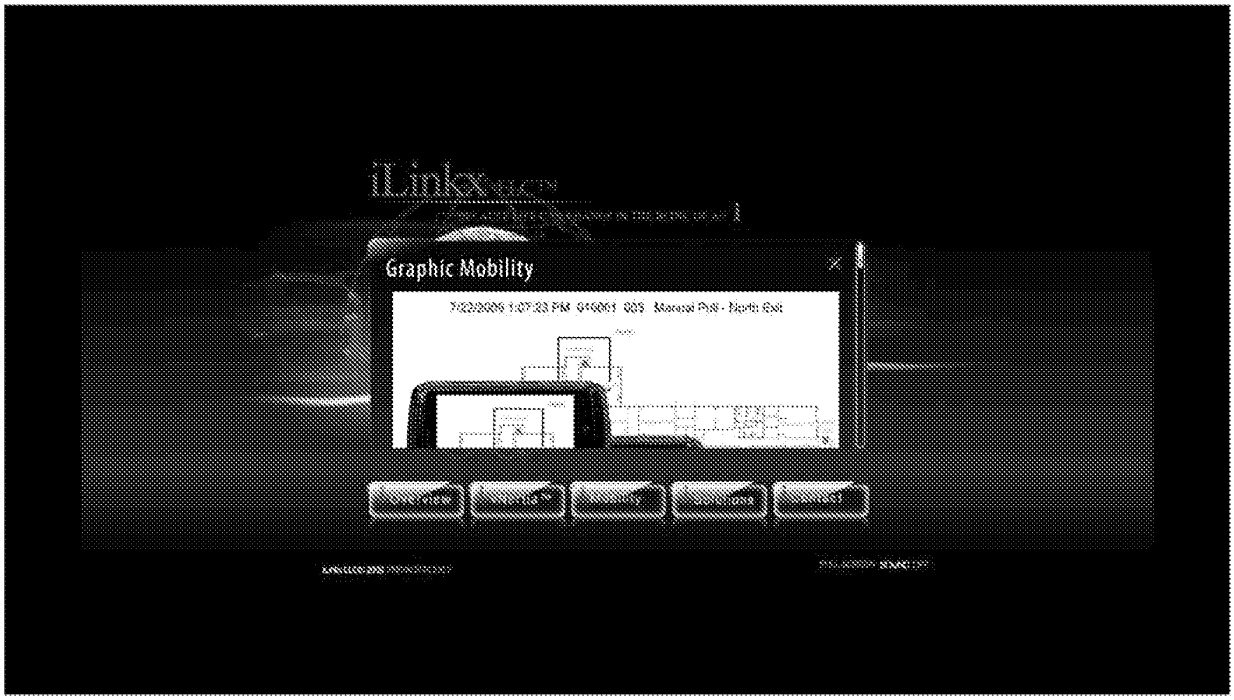

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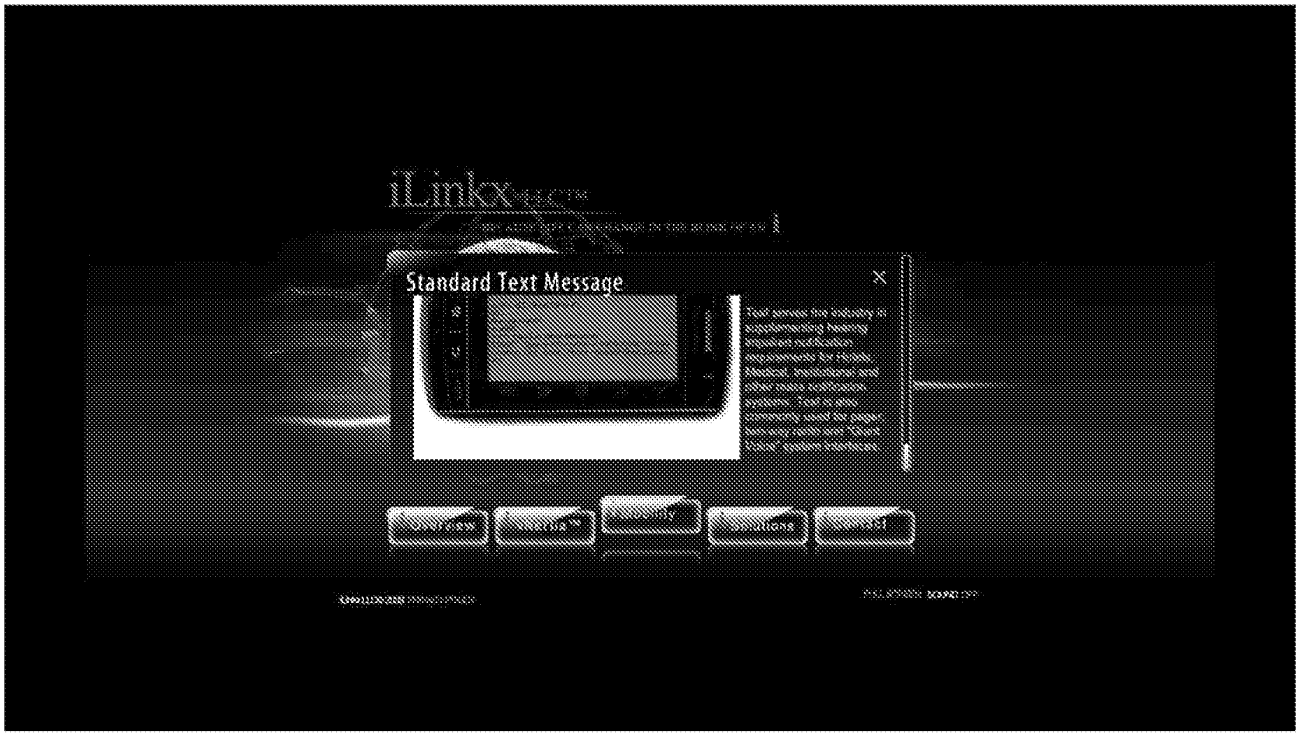

Critical Information


Signals En Route

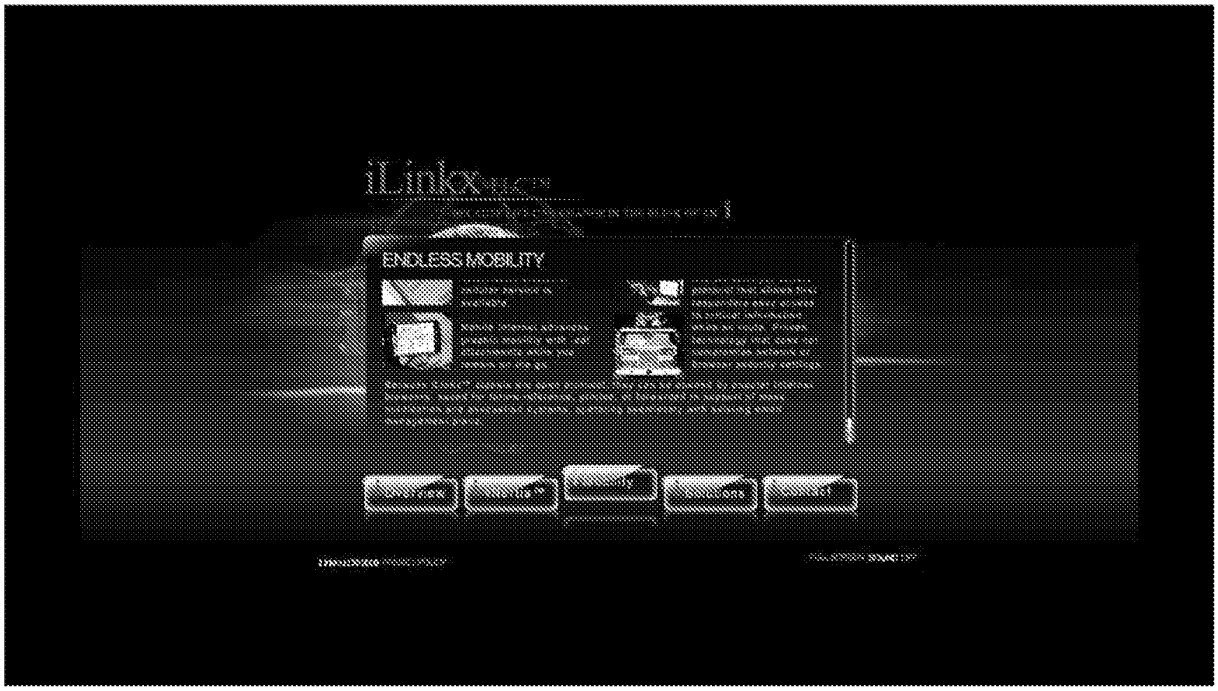

iLinkx
Signals En Route

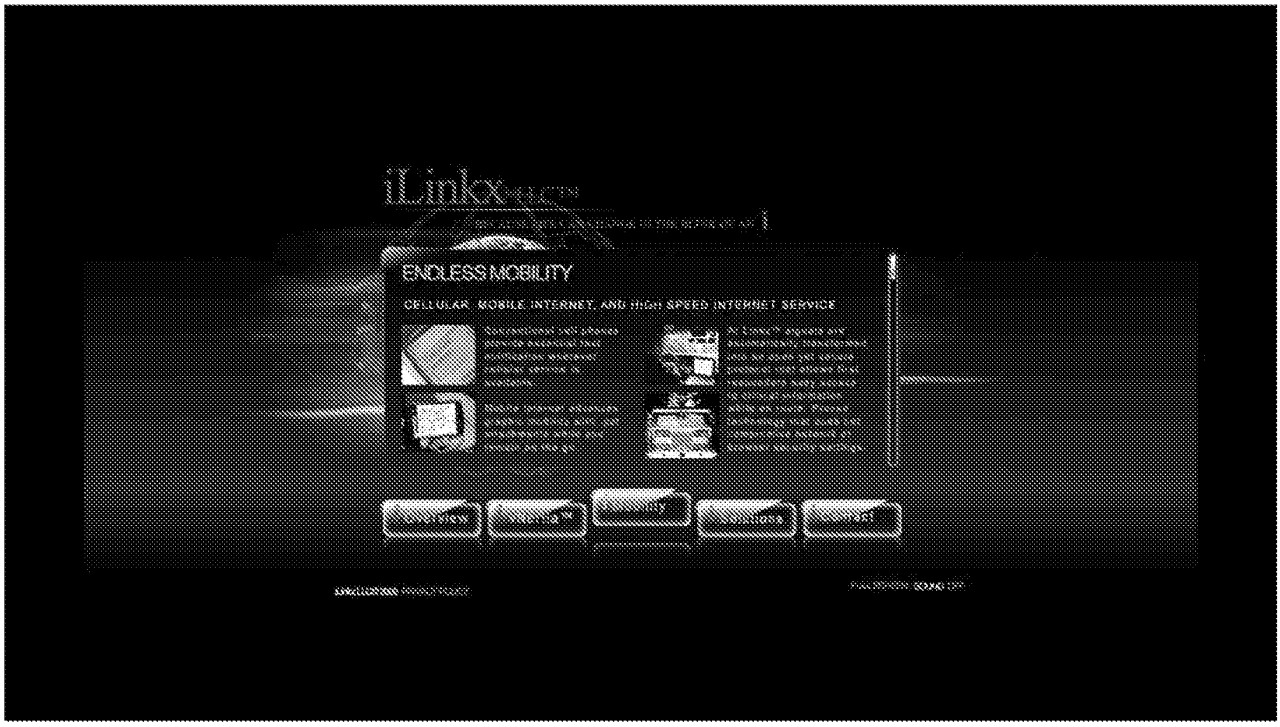

Graphic Mobility

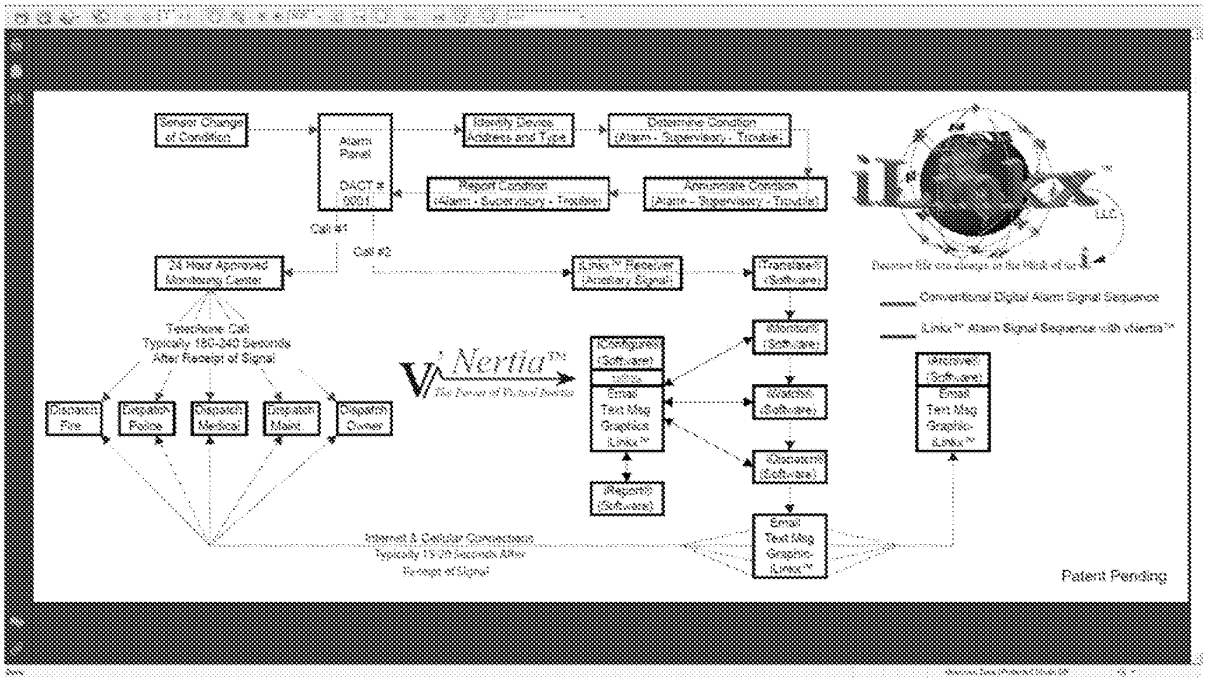

Graphic Mobility


Standard Text Message

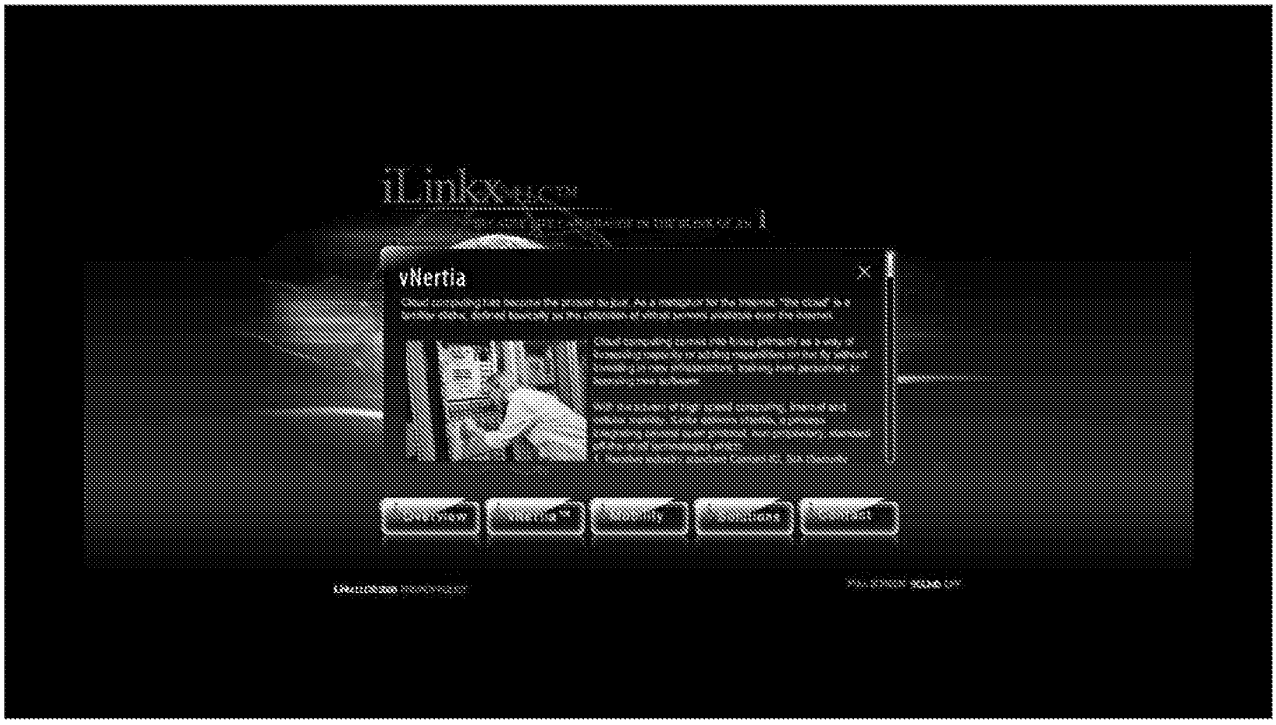

Standard Text Message

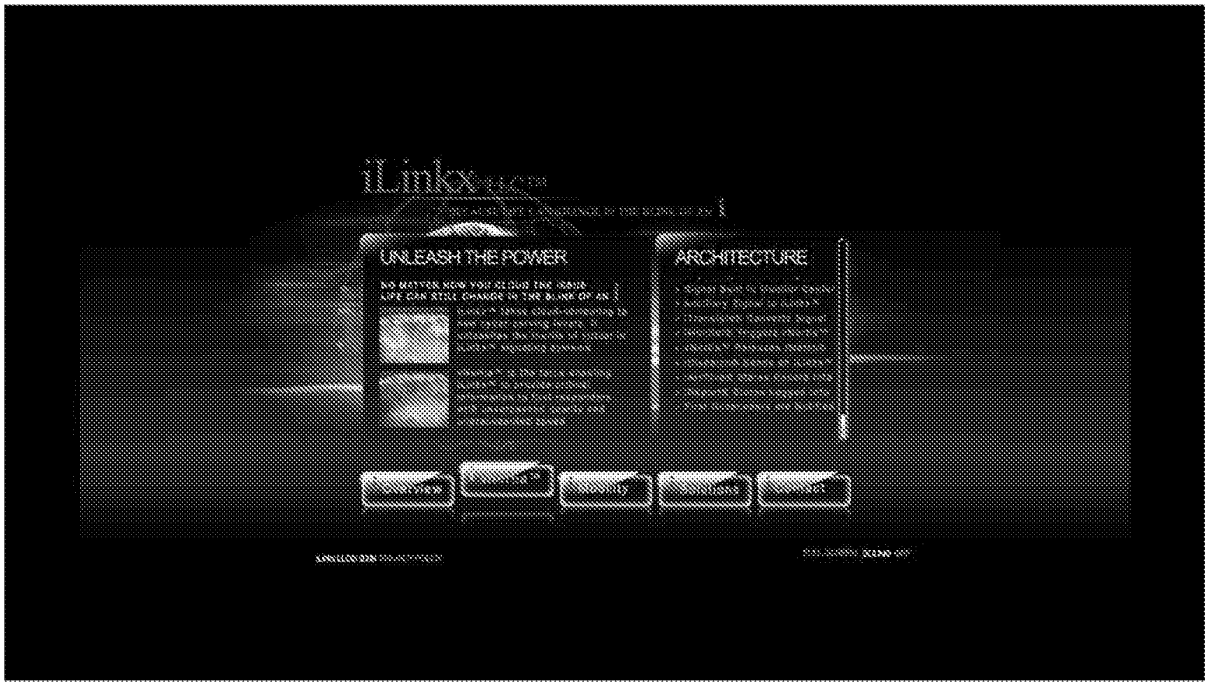

ENDLESS MOBILITY

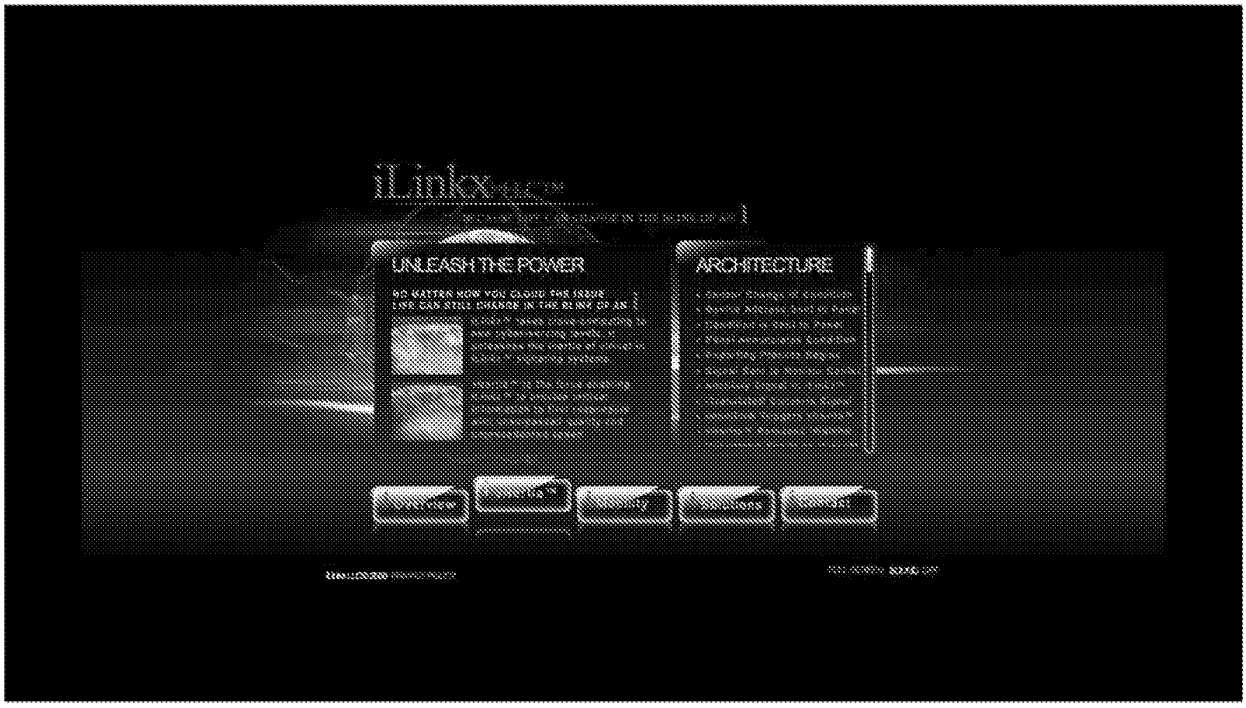

ENDLESS MOBILITY
CELLULAR, MOBILE INTERNET, AND HIGH SPEED INTERNET SERVICE

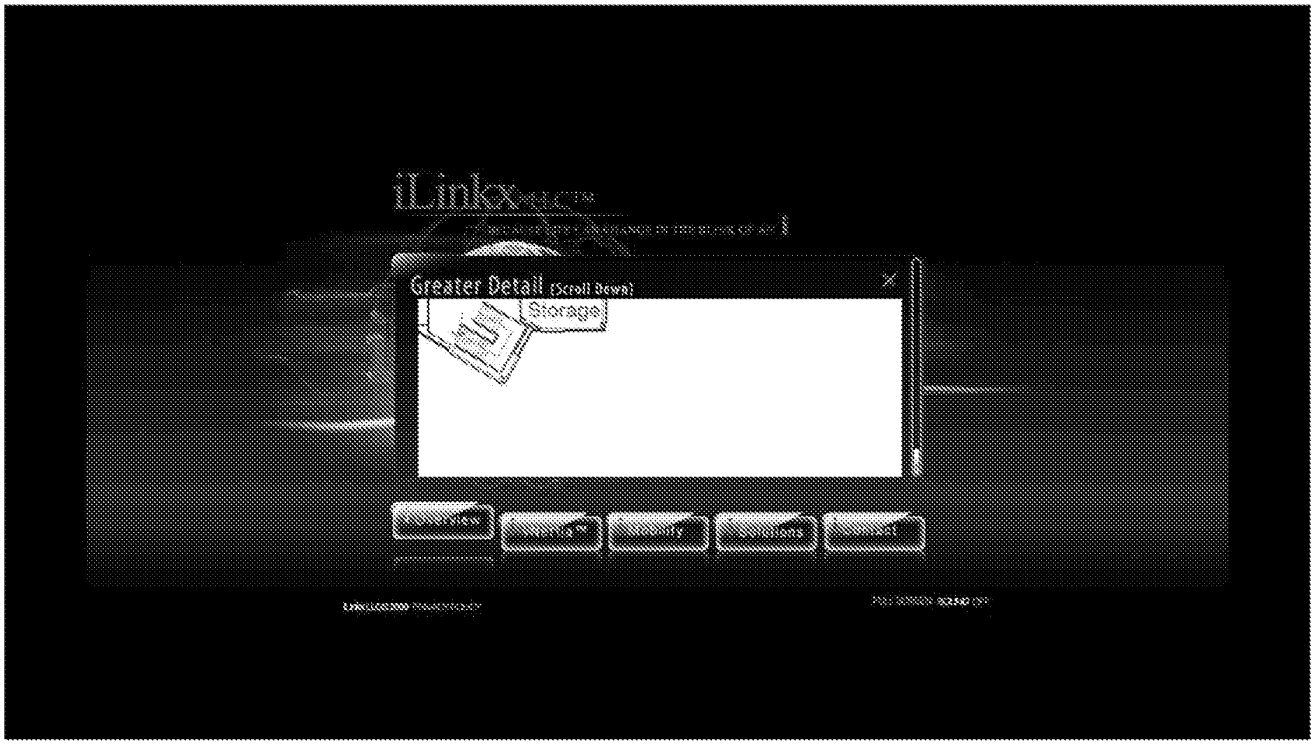

Sensor Change of Condition
Alarm Panel
DACT w/ GSM
Identify Device Address and Type
Determine Condition (Alarm - Supervisory - Trouble)
Report Condition (Alarm - Supervisory - Trouble)
Annunciate Condition (Alarm - Supervisory - Trouble)
Call #1
Call #2
24 Hour Approved Monitoring Center
iLinkx™ Receiver (Annotary Signal)
Translator (Software)
Telephone Call Typically 180-240 Seconds After Receipt of Signal
Dispatch Fire
Dispatch Police
Dispatch Medical
Dispatch Maint
Dispatch Owner
Vi Nertia™
The Power of Pictorial Events
Configure (Software)
Utilize
Email Text Msg Graphics iLinkx™
Report (Software)
Monitor (Software)
Website (Software)
Electronic (Software)
Email Text Msg Graphic iLinkx™
Archive (Software)
Email Text Msg Graphic iLinkx™
Internet & Cellular Connections Typically 15-20 Seconds After Receipt of Signal
Conventional Digital Alarm Signal Sequence
iLinkx™ Alarm Signal Sequence with vNertia™
Patent Pending

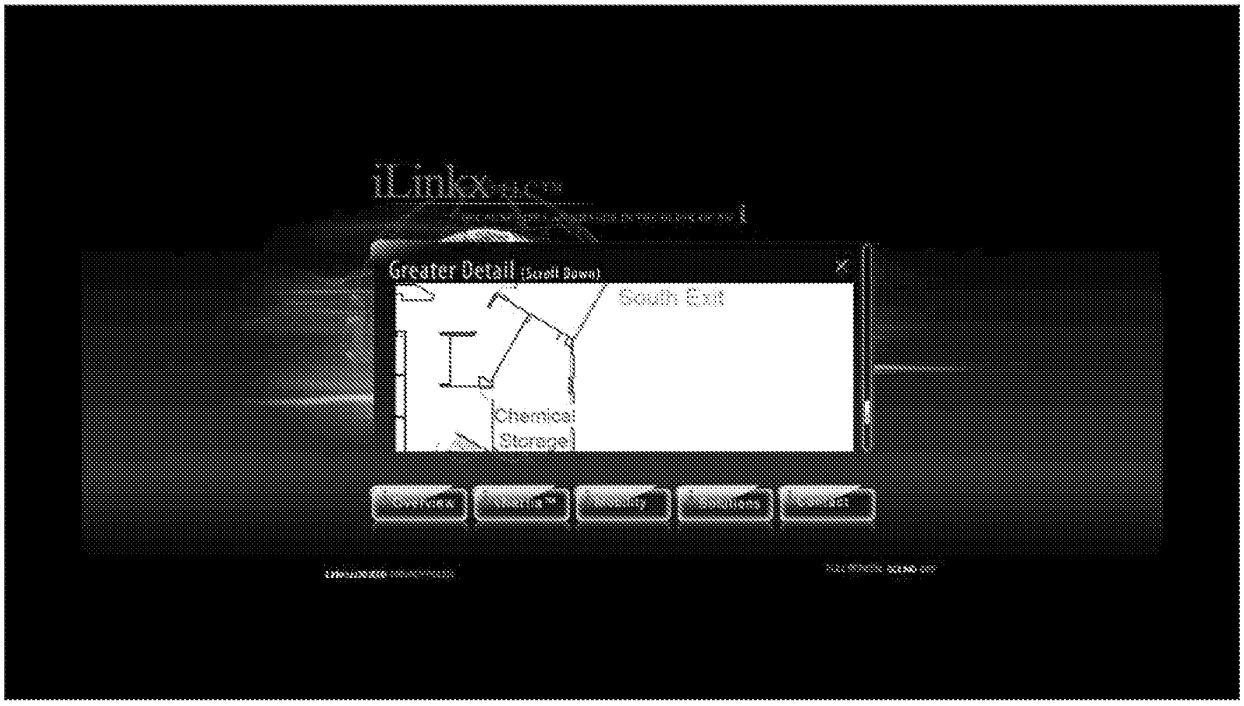

vNertia


vNertia

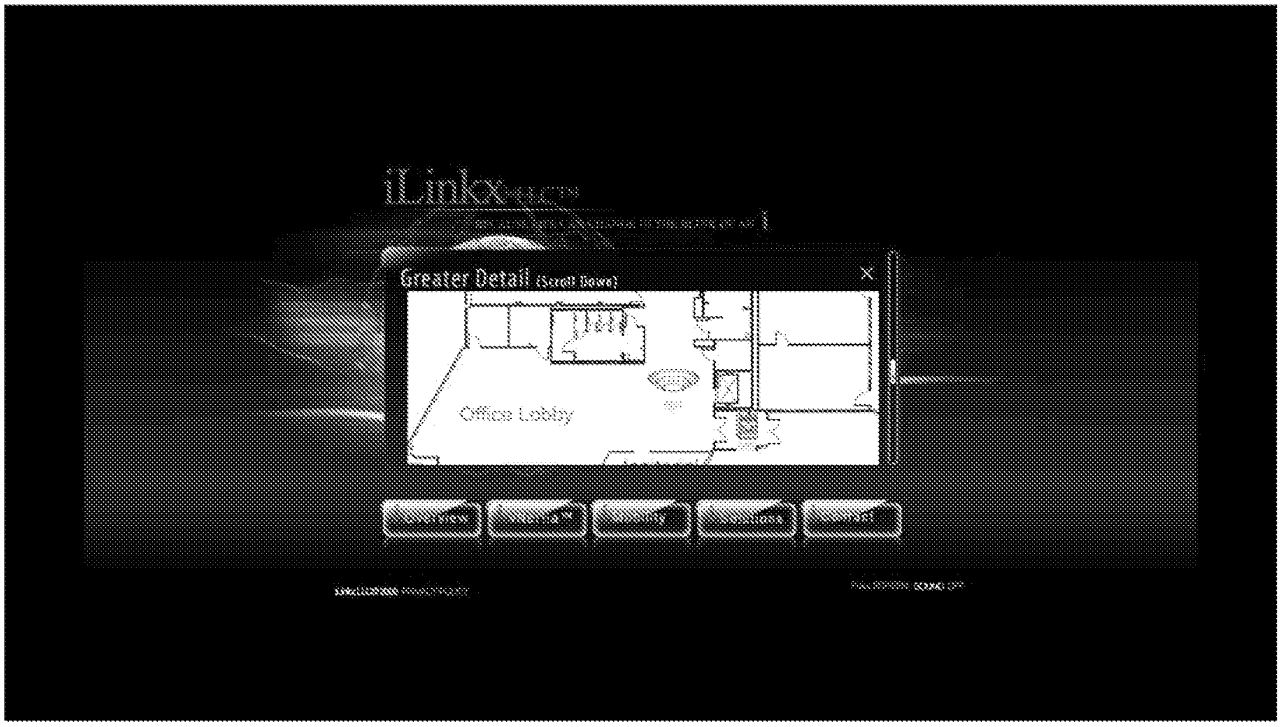

UNLEASH THE POWER
ARCHITECTURE

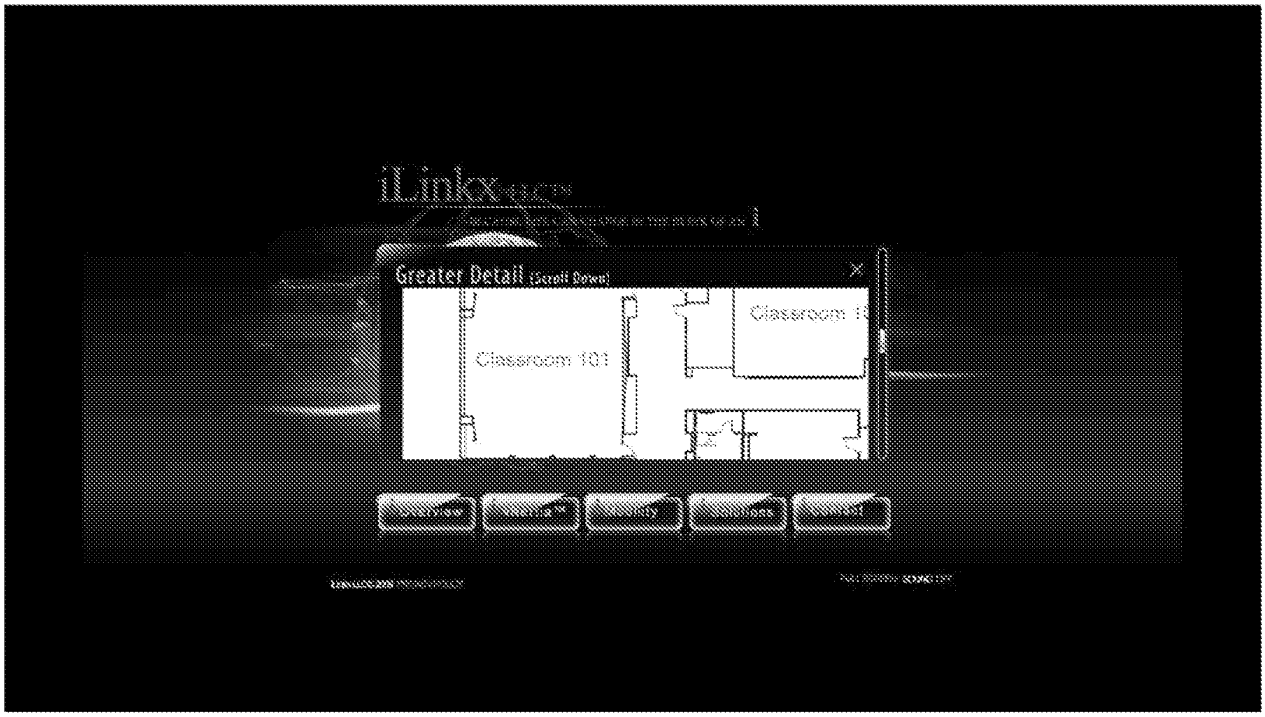

UNLEASH THE POWER
ARCHITECTURE

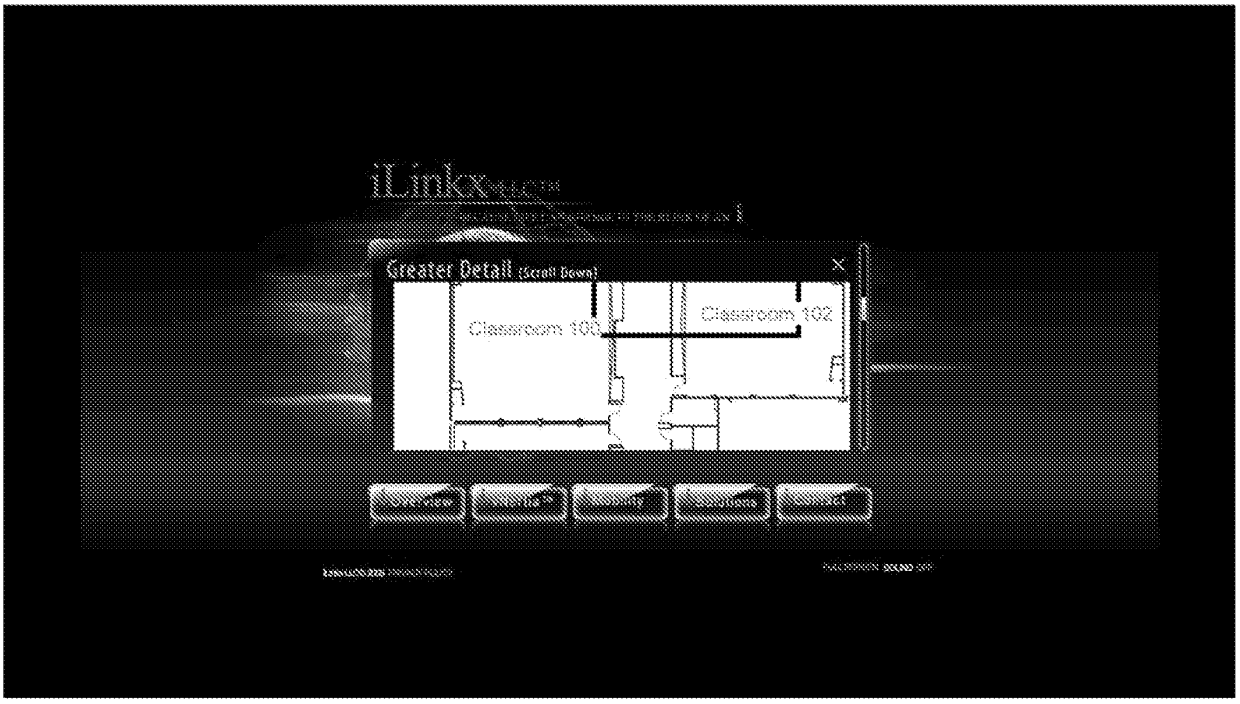

Greater Detail (Scroll Down)
Storage

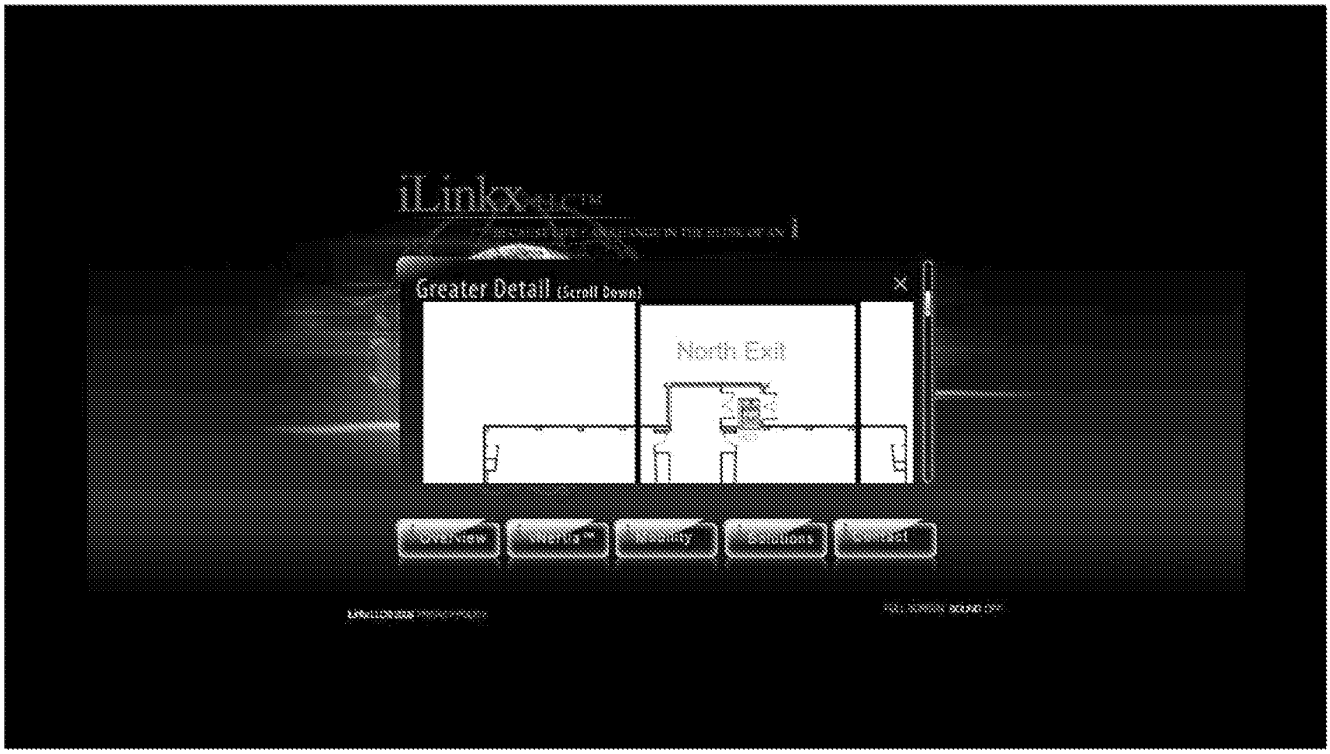

Greater Detail (Scroll Down)
South Exit
Chemical
Storage


Greater Detail
Main Entrance

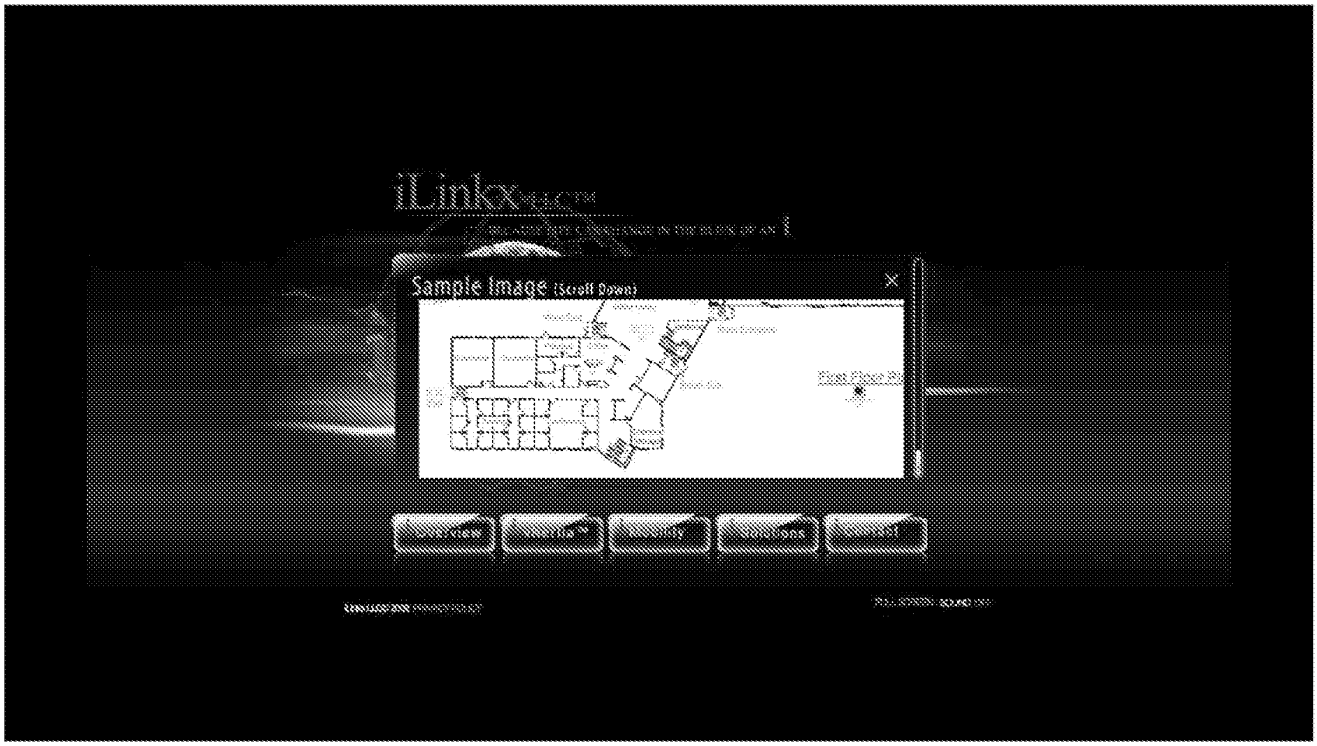

Greater Detail
Office Lobby

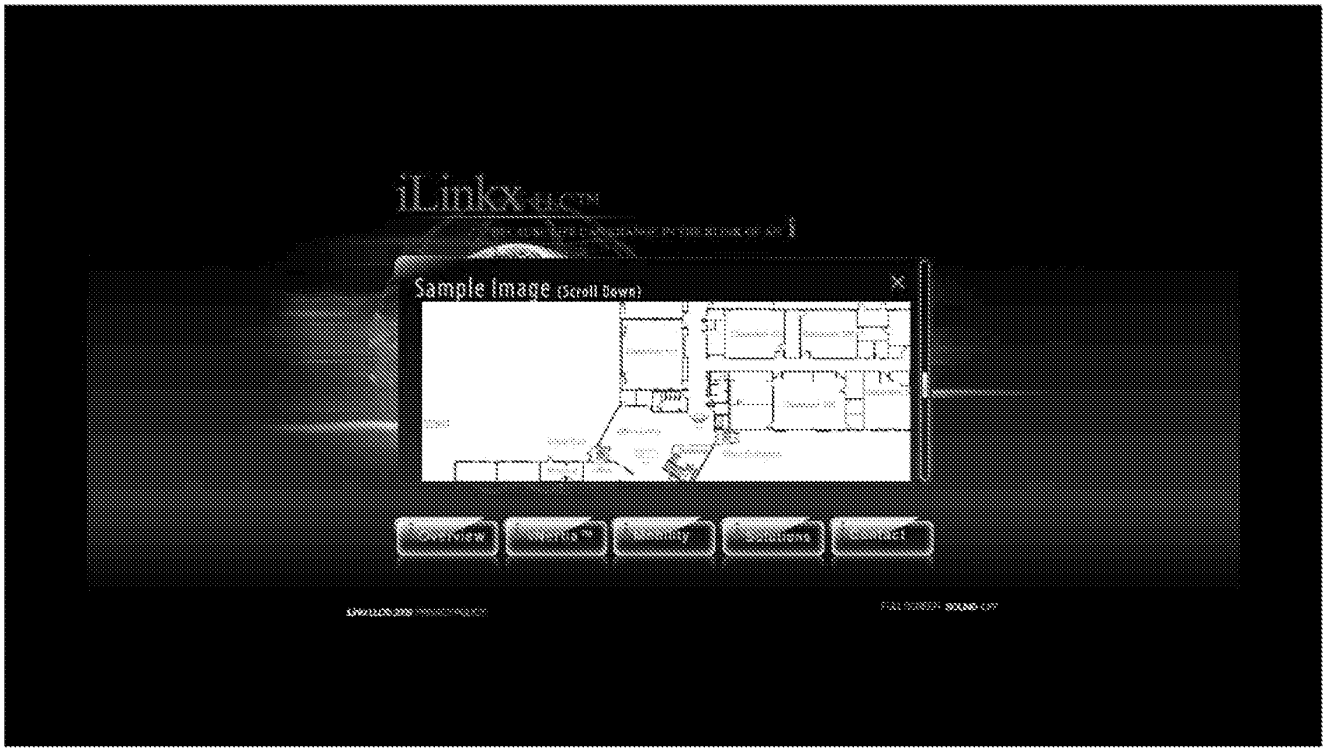

Greater Detail
Classroom 101


Greater Detail
Classroom 100
Classroom 102


Greater Detail (Scroll Down)
North Exit


Greater Detail (Scroll Down)
1:07:23 PM 010001


Sample Image


Sample Image (Scroll Down)


iLinkx
Sample Image (Scroll Down)
7/22/2009 1:07:23 PM 010001 003 Manual

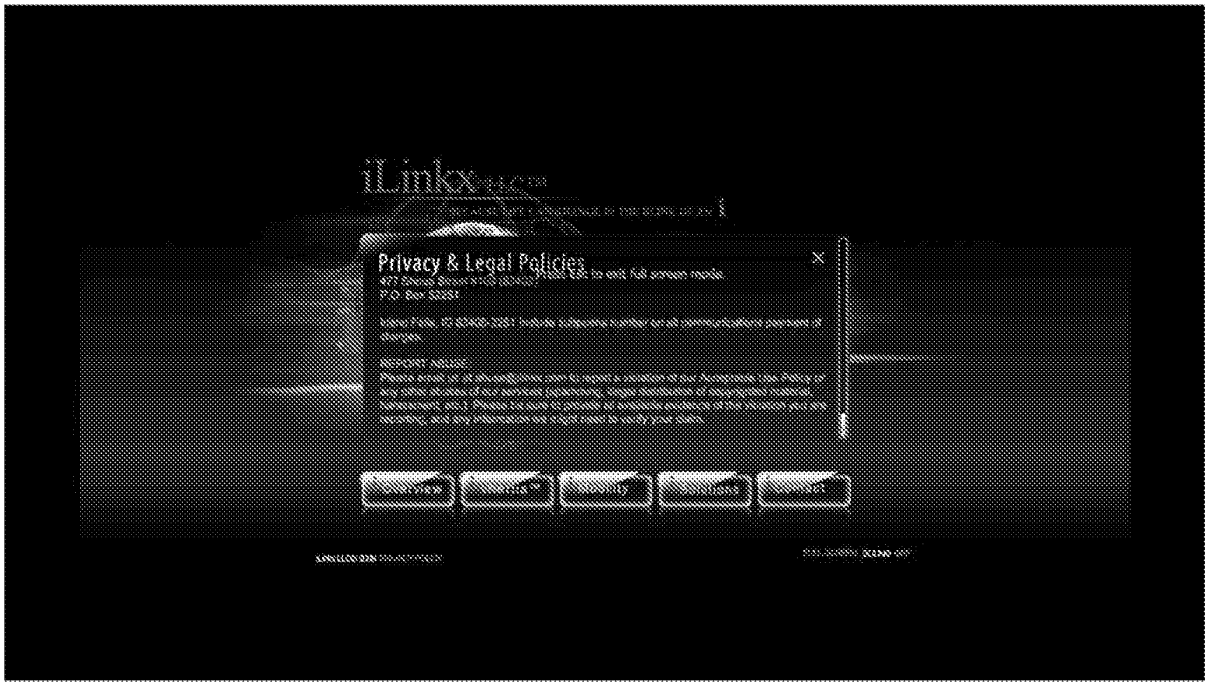

FASTER RESPONSE


FASTER RESPONSE

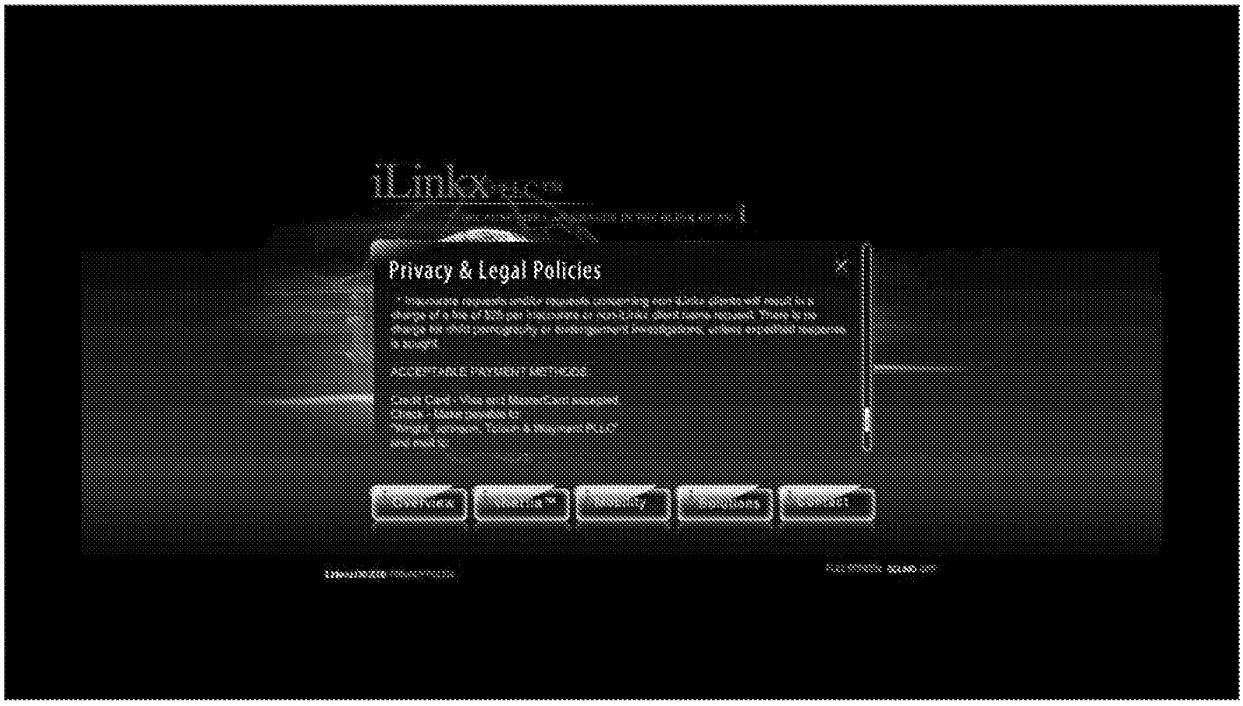

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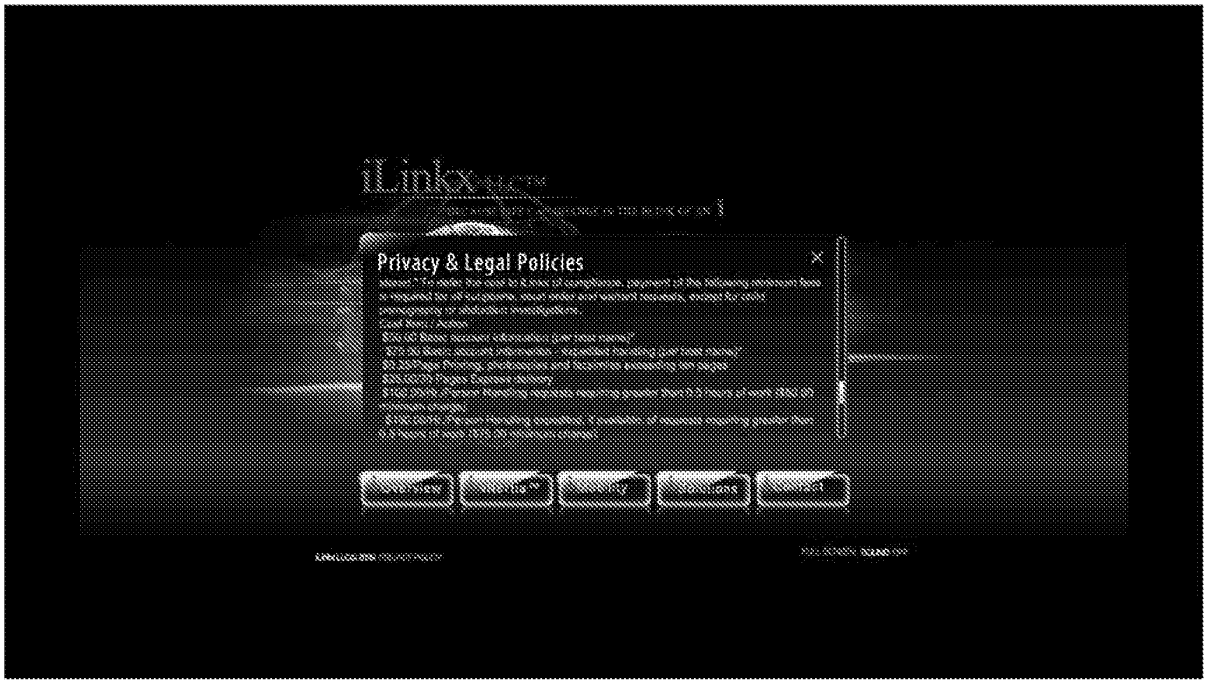

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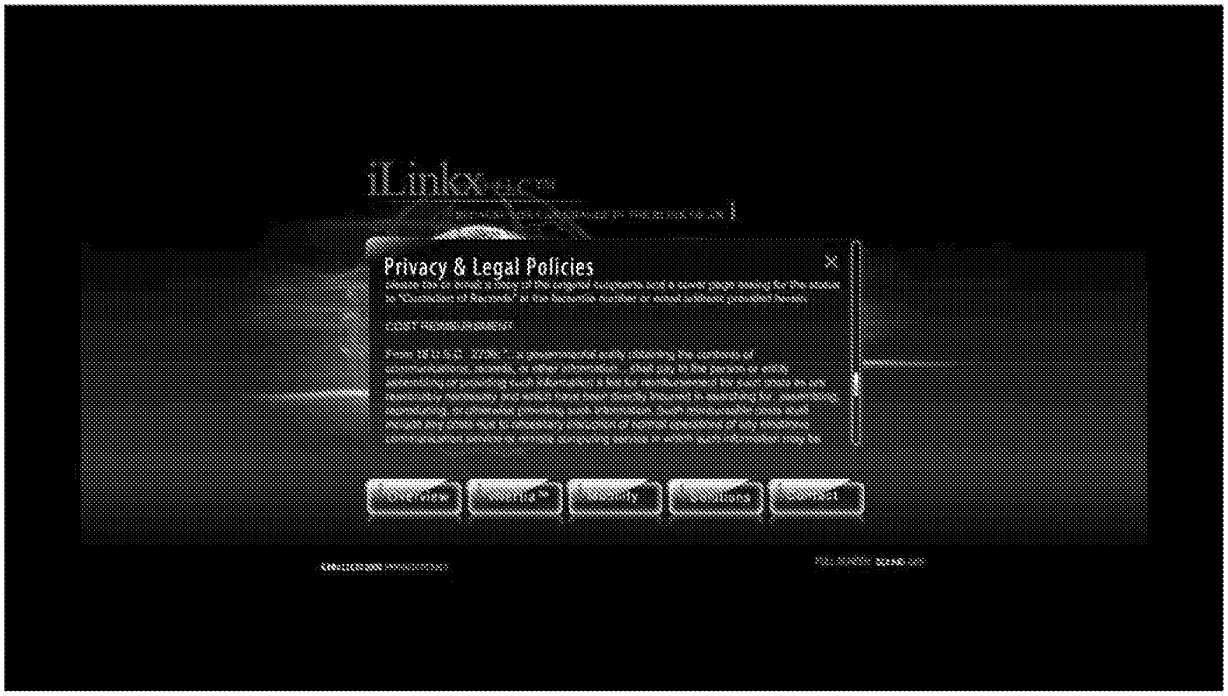

ENHANCED NOTIFICATION
TECHNOLOGY

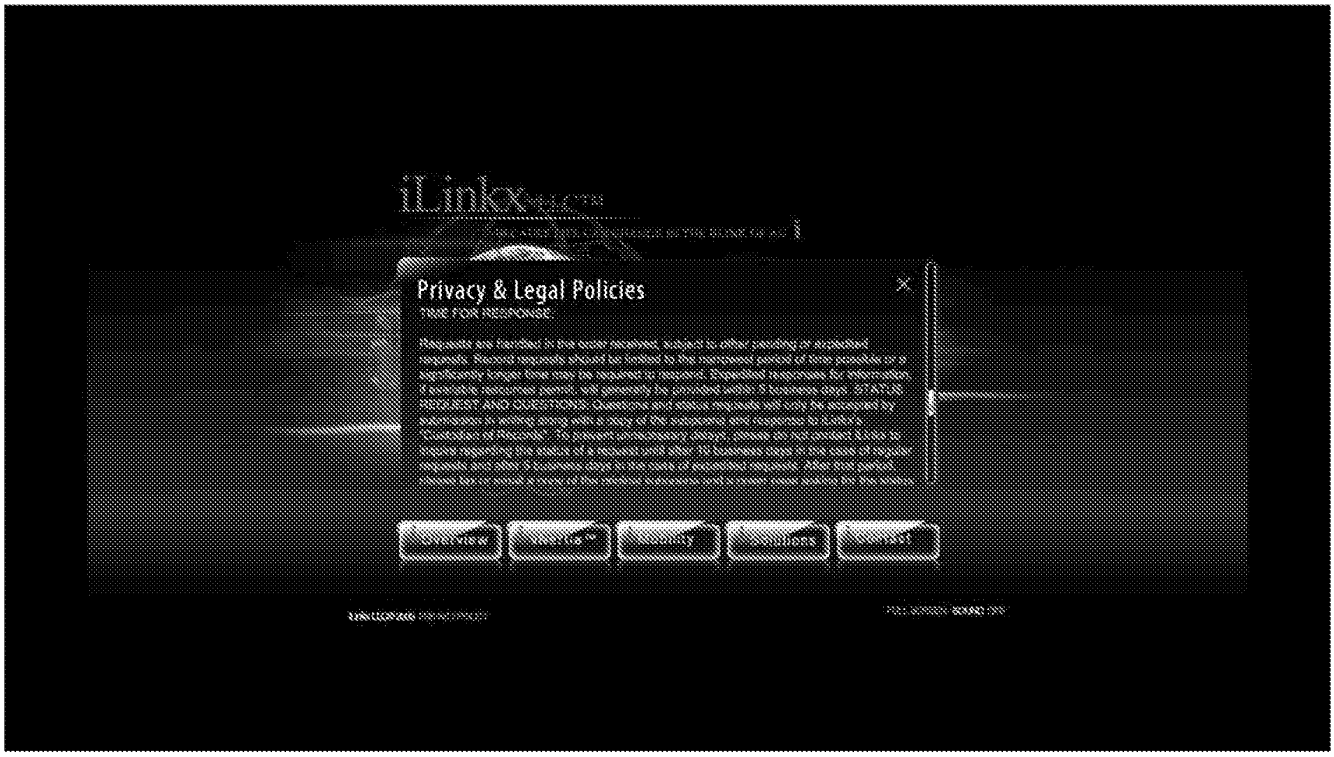

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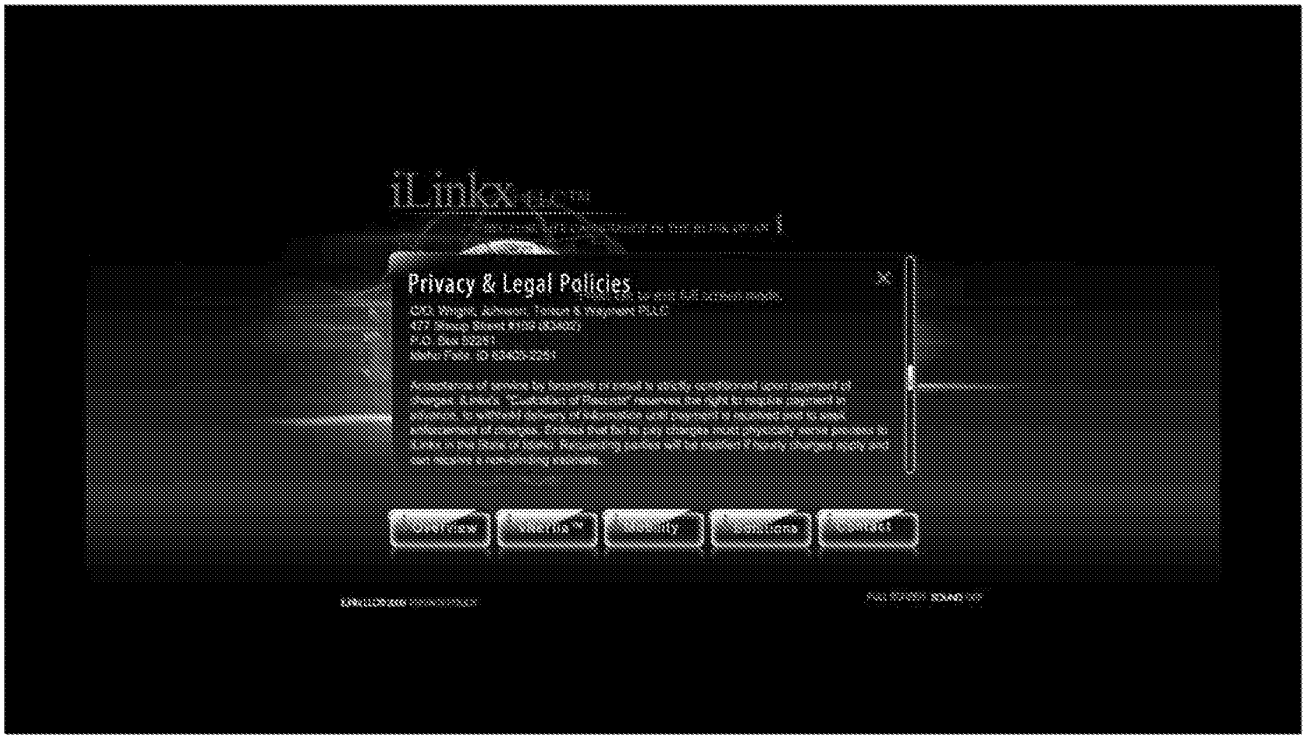

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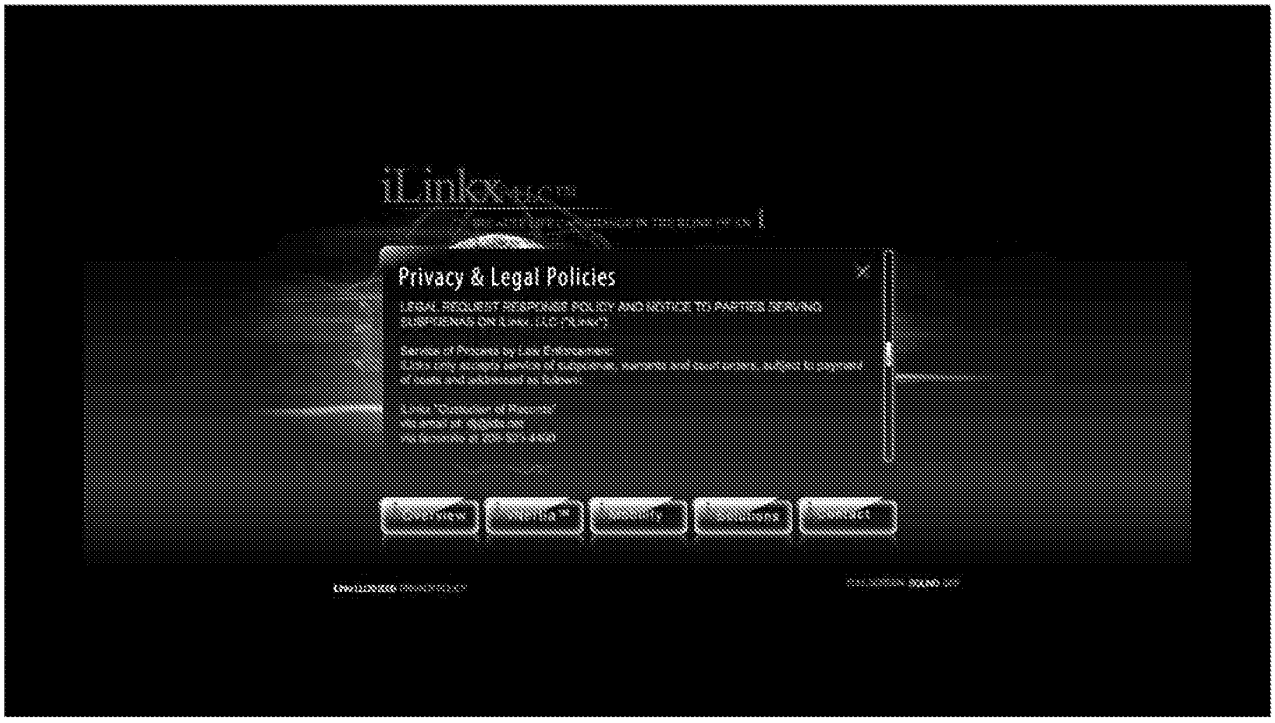

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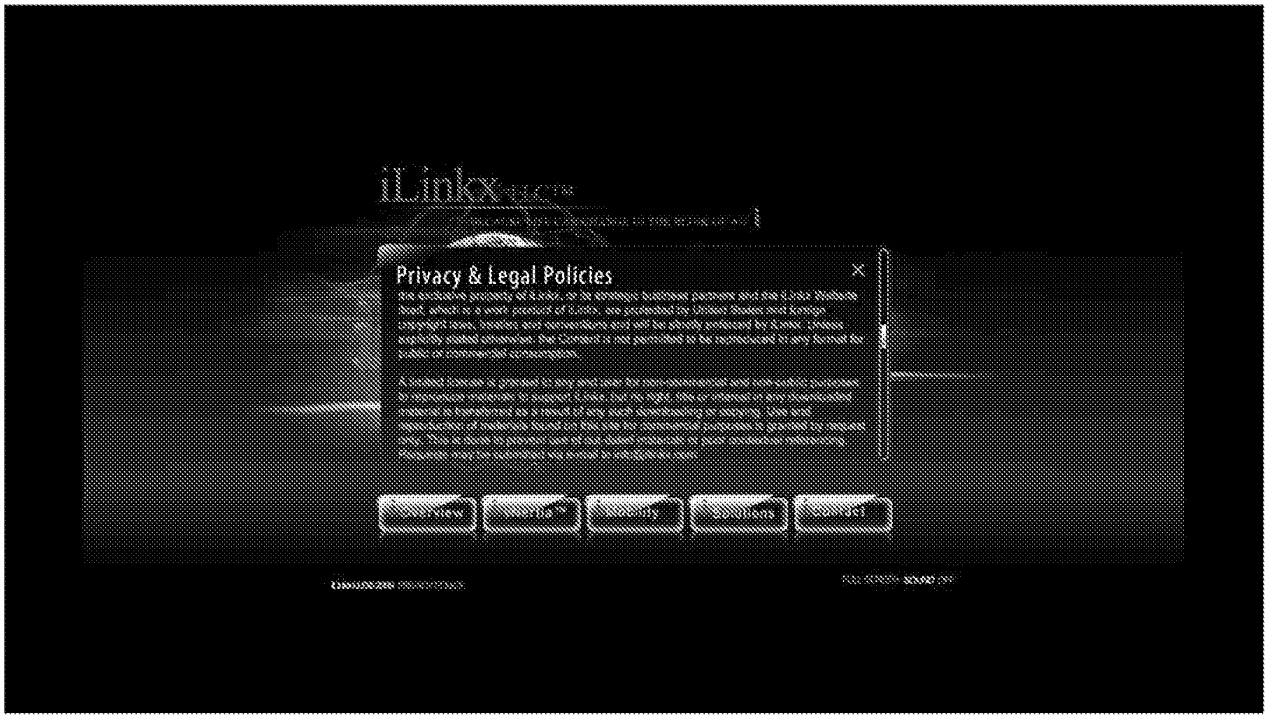

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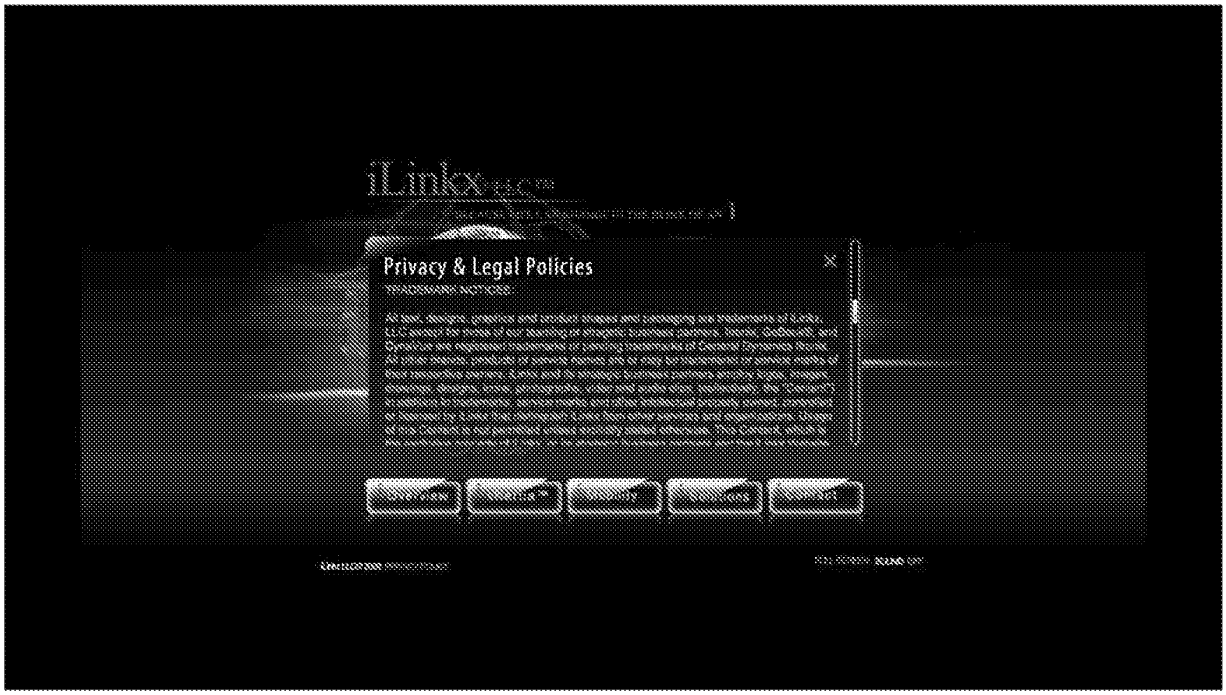

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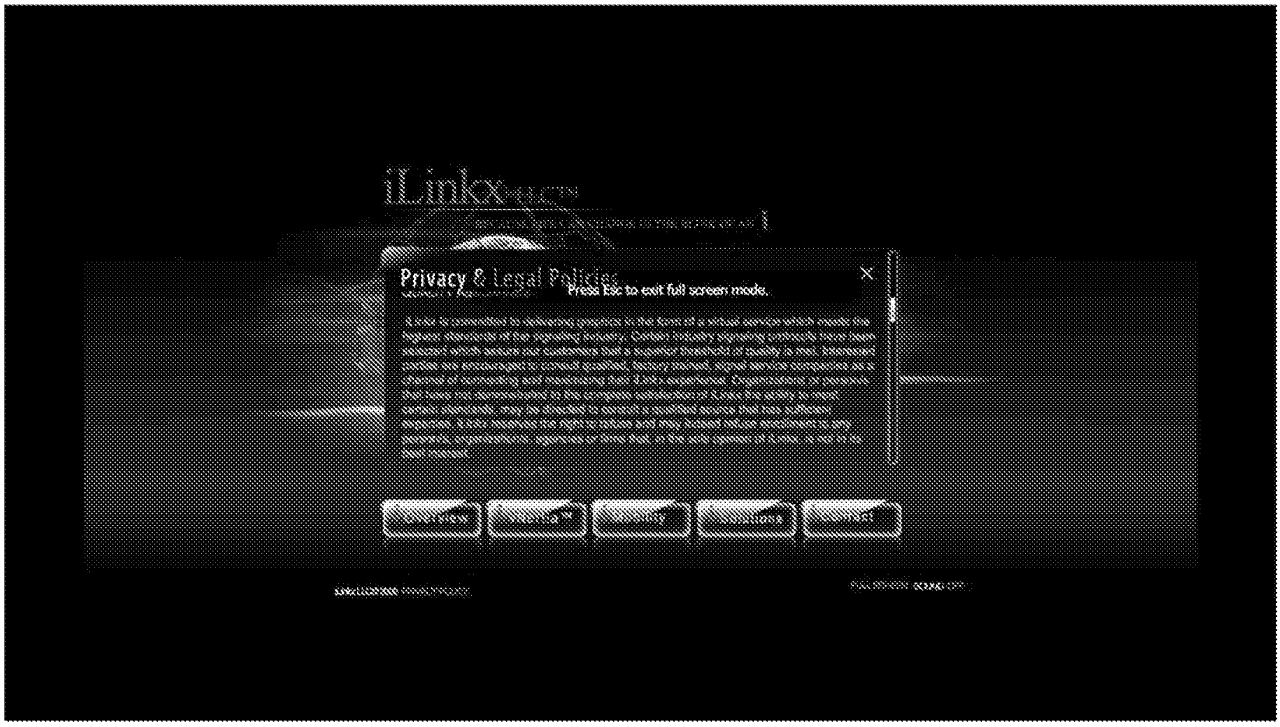

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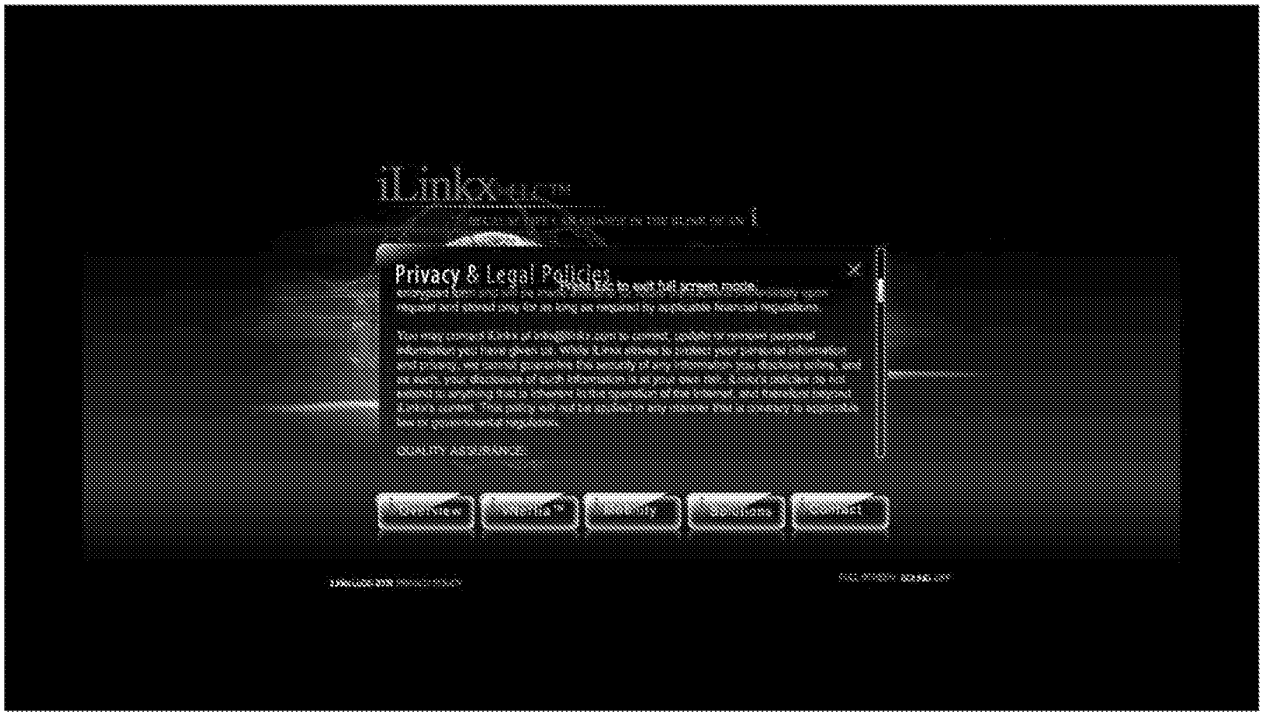

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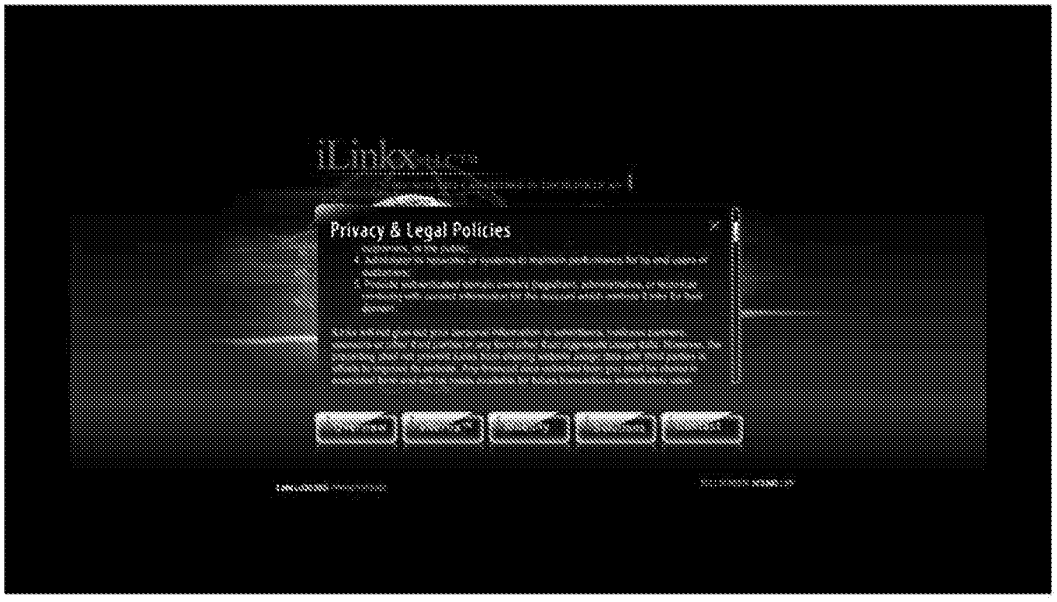

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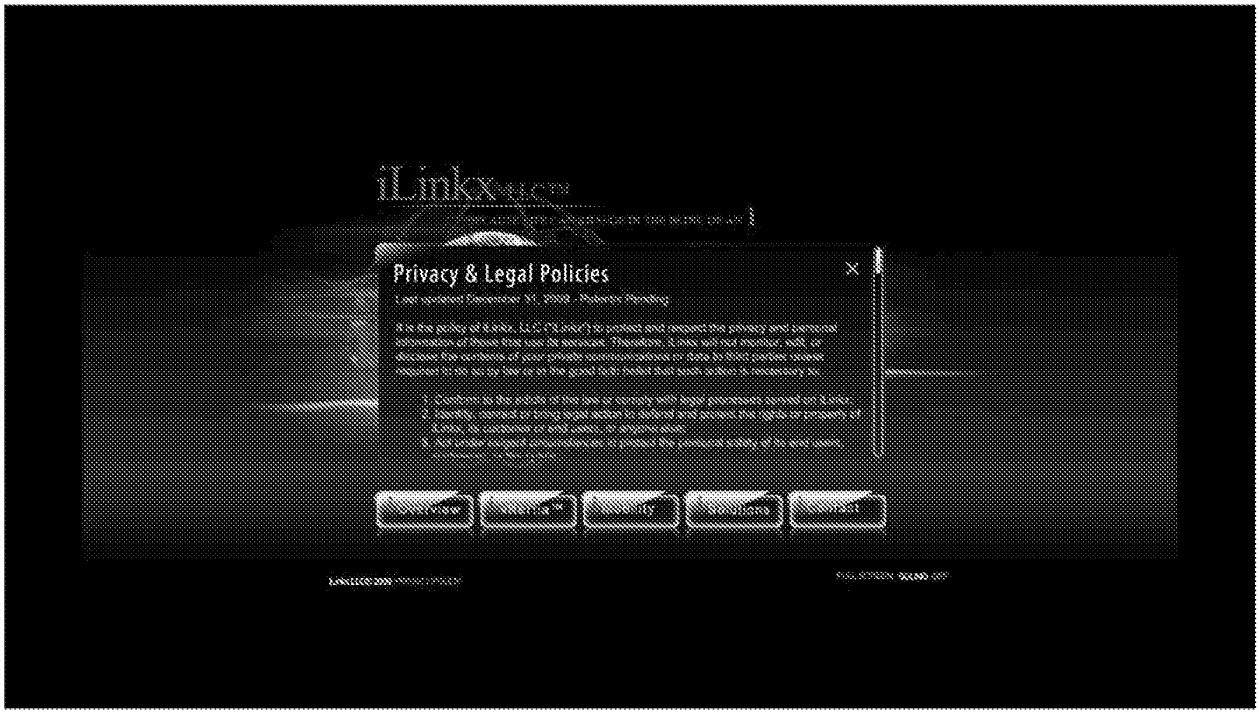

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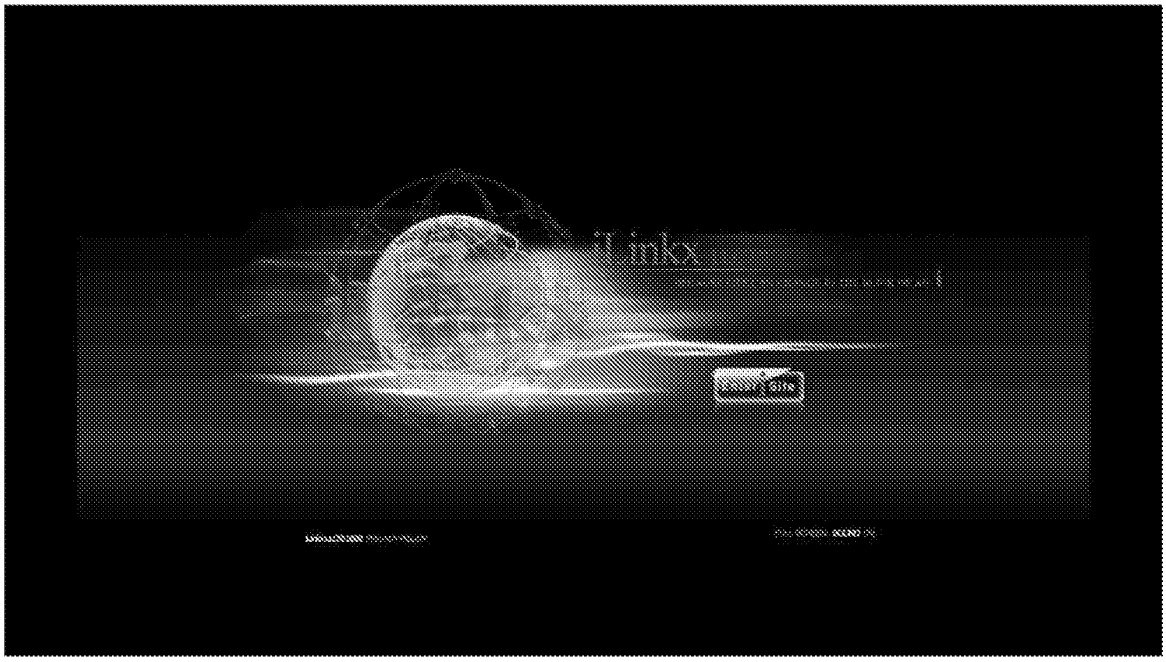

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iLinkx

PREMISES MONITORING SYSTEM

INVENTOR
Rodney W Fox

PRIORITY CLAIM

[0001] This application claims the benefit of U.S. provisional patent application serial number 61/147,948 filed January 28, 2009 (our ref. ILNX-1-1001) and U.S. provisional patent application serial number 61/228,044 filed July 23, 2009 (our ref. ILNX-1-1001-1). The foregoing applications are incorporated by reference in their entirety as if fully set forth herein.

FIELD OF THE INVENTION

[0002] This invention relates generally to computer systems, and more specifically, to a premise monitoring system.

SUMMARY

[0003] This invention relates generally to computer systems, and more specifically, to a premise monitoring system. In one embodiment, the invention includes operations of receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems; retrieving enhanced information based on the device identifier and/or the device condition; determining one or more communication methods and/or communication destinations based on the device

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identifier and/or the device condition; and dispatching the enhanced information to the one or more communication destinations using the one or more communication methods.

BRIEF DESCRIPTION OF THE DRAWINGS

[0004] Embodiments of the present invention are described in detail below with reference to the following drawings:

[0005] FIGURE 1 is a block diagram of a method performed by a premises monitoring system, in accordance with an embodiment of the invention;

[0006] FIGURES 2-7 are block diagrams of alternative embodiments of a method performed by a premises monitoring system, in accordance with embodiments of the invention;

[0007] FIGURE 8 is a block diagram of a method performed by a premises monitoring system, in accordance with an embodiment of the invention;

[0008] FIGURE 9 is a block diagram of a method performed by a premises monitoring system, in accordance with an embodiment of the invention;

[0009] FIGURE 10 is a diagram of a system for implementing a premises monitoring system, in accordance with an embodiment of the invention; and

[0010] APPENDIX A includes details of various embodiments of the invention.

DETAILED DESCRIPTION

[0011] This invention relates generally to computer systems, and more specifically, to a premises monitoring system. Specific details of certain embodiments of the invention are set forth in the following description and in FIGURES 1-10 and APPENDIX A to provide a thorough understanding of such embodiments. The present invention may have additional embodiments, may be practiced without one or more of the details described for any particular described embodiment, or may have any detail described for one particular embodiment practiced with any other detail described for another embodiment.

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[0012] FIGURE 1 is a block diagram of a method performed by a premises monitoring system, in accordance with an embodiment of the invention. In some embodiments, method 100 may include operations of receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems at block 102; retrieving enhanced information based on the device identifier and/or the device condition at block 104; determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition at block 106; and dispatching the enhanced information to the one or more communication destinations using the one or more communication methods at block 108.

[0013] In some embodiments, method 100 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, method 100 may be used to supplement an existing monitoring system by providing enhanced information to more destinations in a timelier manner without requiring disruption to an existing monitoring system. A remote alarm monitoring system 1002 may be programmed to send one or more signals containing one or more device identifiers and one or more device conditions to a premises monitoring system 1004. The premises monitoring system 1004 may receive the one or more signals containing one or more device identifiers and one or more device conditions and retrieve enhanced information based on the same (or some other criteria) from one or more data stores 1006. The premises monitoring system 1004 may determine one or more communication methods and one or more communication destinations from the one or more data stores 1006 also based on the one or more device identifiers and/or the one or more device conditions (or some other criteria). The premises monitoring system 1004 may dispatch the enhanced information to the one or more communication destinations using the one or more communication methods, such as by dispatching the enhanced information to one or more laptops 1008, one or more tablets 1010, one or more mail

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boxes 1012, one or more computers 1014, one or more phones 1016, one or more personal digital assistants 1018, and/or one or more displays 1020.

[0014] As a further specific example, in some embodiments, a remote alarm monitoring system 1002 may be programmed to send a signal containing a device identifier for a particular fire alarm and a device condition of alarm to a premises monitoring system 1004. The premises monitoring system 1004 may receive the signal containing a device identifier for a particular fire alarm device and a device condition of alarm and retrieve enhanced information from a data store 1006 based on the same of a floor plan highlighting the particular fire alarm device, showing access paths and stairwells related to the particular fire alarm device, and highlighting hazard areas relating to the particular fire alarm device well as passcodes, contact information, and a picture of an onsite manager. The premises monitoring system 1004 may determine a communication method of email and a communication destination of a first responder from the data store 1006 also based on the particular fire alarm device and the device condition of alarm. The premises monitoring system 1004 may dispatch the enhanced information to the first responder via email. The premises monitoring system 1004 may retrieve different enhanced information from a data store 1006 for a different device identifier and/or a different device condition. Similarly, the premises monitoring system 1004 may determine a different communication method and/or communication destination for a different device identifier and/or a different device condition.

[0015] FIGURE 2 is a block diagram of alternative embodiments of a method performed by a premises monitoring system, in accordance with embodiments of the invention. In some embodiments, method 100 may include operations of receiving one or more signals containing a device identifier for a smoke detector, a pull station, a security detector, a carbon monoxide detector, and/or a check-in monitor from one or more remote alarm monitoring systems at block 202 and/or receiving one or more signals

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containing a device condition of normal, fault, and/or supervisory from one or more remote alarm monitoring systems at block 204.

[0016] In some embodiments, the operation of receiving one or more signals containing a device identifier for a smoke detector, a pull station, a security detector, a carbon monoxide detector, and/or a check-in monitor from one or more remote alarm monitoring systems at block 202 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, a premises monitoring system 1004 may receive one or more signals from a remote alarm monitoring system 1002 containing one or more device identifiers for a smoke detector 1026, a pull station 1022, a security detector 1024, a carbon monoxide detector (not illustrated), and/or a check-in monitor (not illustrated) associated with one or more premises 1028. In some embodiments, a premises monitoring system 1004 may receive one or more signals from one or more remote alarm monitoring systems 1002 containing device identifiers for a plurality of detectors and/or monitors. In some embodiments, a premises monitoring system 1004 may receive one or more signals from one or more remote alarm monitoring systems 1002 containing device identifiers for one or more other similar detectors and/or monitors.

[0017] In some embodiments, the operation of receiving one or more signals containing a device condition of normal, fault, and/or supervisory from one or more remote alarm monitoring systems may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may receive a signal from one or more remote alarm monitoring systems 1002 containing one or more device conditions of normal, fault, and/or supervisory for one or more smoke detectors 1026, pull stations 1022, security detectors 1024, carbon monoxide detectors (not illustrated), and/or check-in monitors (not illustrated) associated with one or more premises 1028. A normal condition may indicate normal operation of a detector and/or a monitor. A fault condition may indicate

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a triggering event, such as smoke at a smoke detector 1026, manual activation of a pull station 1022, breach of a security detector 1024, carbon monoxide of a carbon monoxide detector, and/or failure to check-in at an expected time of a check-in monitor (e.g. relating to safety of elderly individuals or children). In some embodiments, a premises monitoring system 1004 may receive one or more signals from one or more remote alarm monitoring systems 1002 containing device conditions for a plurality of detectors and/or monitors. In some embodiments, one or more premises monitoring systems 1004 may receive one or more signals from one or more remote alarm monitoring systems 1002 containing device conditions for one or more other detectors and/or monitors. In some embodiments, one or more premises monitoring systems 1004 may receive one or more signals from one or more remote alarm monitoring systems 1002 containing one or more different device conditions such as a test condition.

[0018] FIGURE 3 is a block diagram of alternative embodiments of a method performed by a premises monitoring system, in accordance with embodiments of the invention. In some embodiments, method 100 may include operations of retrieving enhanced information including one or more graphical images based on the device identifier and/or the device condition at block 302; retrieving enhanced information including one or more graphical images having one or more superimposed meaningful audio and/or visual indicators based on the device identifier and/or the device condition at block 304; retrieving enhanced information including one or more hierarchically organized graphical images based on the device identifier and/or the device condition at block 306; and/or retrieving enhanced information including one or more vector-based graphical images based on the device identifier and/or the device condition at block 308.

[0019] In some embodiments, the operation of retrieving enhanced information including one or more graphical images based on the device identifier and/or the device condition at block 302 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises

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monitoring systems 1004 may retrieve enhanced information including one or more graphical images 1032/1034 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more graphical images 1032/1034, such as a map, a picture, a video 1038, a floor plan, a site plan, a personnel photo, a camera feed 1038, a heat sensor image, a sound sensor image, and/or a movement sensor image, based on one or more device identifiers and/or one or more device conditions from a data source 1006. A map may include a map to or of premises 1028. A picture may include a real-time or previously taken picture of or within premises 1028. A video 1038 may include a real-time or previously recorded video of or within premises 1028. A floor plan may include a floor plan or as-built drawings of premises 1028. A site plan may include a site plan of premises 1028 and may include surrounding premises. A personnel photo may include a photograph of an owner, manager, employee, customer, supplier, or neighbor of premises 1028. A camera feed 1038 may include a real-time or previously taken camera feed of a camera of premises 1028. A heat sensor image may include a real-time or previously taken image illustrating heat positions within premises 1028. A sound sensor image may include a real-time or previously taken image illustrating sound (e.g. voice) positions within premises 1028. A movement sensor image may include a real-time or previously taken image illustrating movement positions within premises 1028. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more other graphical images 1032/1034 based on one or more device identifiers and/or one or more device conditions from a data source 1006. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more graphical images 1032/1034 based on one or more device identifiers and/or one or more device conditions from a source other than one or more data sources 1006, such as from a camera or video camera of premises 1028, a computer

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of premises 1028, a laptop 1008, a tablet 1010, a computer 1024, a phone 1016, a personal digital assistant 1018, and/or remote or independent data source.

[0020] In some embodiments, the operation of retrieving enhanced information including one or more graphical images having one or more superimposed meaningful audio and/or visual indicators based on the device identifier and/or the device condition at block 304 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more graphical images 1032/1034 having one or more superimposed meaningful audio and/or visual indicators based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. A superimposed meaningful audio and/or visual indicator may include one or more icons or one or more designators superimposed on a map, picture, floor plan, and/or site plan to illustrate or instruct regarding device type, device position, condition type, hazardous material position, emergency exit position, stairwell position, pathway position, handicap safe area, extinguisher position, hydrant position, stand pipe position, utility disconnect position, and/or the like. A superimposed meaningful audio and/or visual indicator may be customizable, blinkable, and/or color-codable. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information from one or more data stores 302 including a floor plan having a superimposed icon illustrating device type and device position relative to the floor plan and superimposed indicators highlighting pathways, stairwells, hazardous material positions, and utility disconnects, all of which may be tailored to the device identifier and/or the device condition. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more graphical images 1032/1034 having one or more superimposed meaningful audio and/or visual indicators based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006 using input provided by one or more

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laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018 (e.g. a first responder at premises 1028 providing input regarding a collapsed and unusable stairwell).

[0021] In some embodiments, the operation of retrieving enhanced information including one or more hierarchically organized graphical images based on the device identifier and/or the device condition at block 306 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more hierarchically organized graphical images 1032/1034 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. A hierarchically organized graphical image may include any group of graphical images arranged relative to one another and/or accessible through one another. As a specific example, in some embodiments, a hierarchically organized graphical image may include a camera feed from a room of a device accessible from a floor plan accessible from a site plan accessible from a map.

[0022] In some embodiments, the operation of retrieving enhanced information including one or more vector-based graphical images based on the device identifier and/or the device condition at block 308 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more vector-based graphical images 1034 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more vector-based graphical images 1034 allowing magnification without degradation (e.g. to approximately 6600%) based on one or more device identifiers and/or one or more device conditions. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including

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one or more raster-based graphical images 1032 based on one or more device identifiers and/or one or more device conditions. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more .BMP, .RLE, .GIF, .JPG, .JPEG, .PDF, .WMF, .EMF, .CAD graphical images 1032/1034 based on one or more device identifiers and/or one or more device conditions.

[0023] FIGURE 4 is a block diagram of alternative embodiments of a method performed by a premises monitoring system, in accordance with embodiments of the invention. In some embodiments, method 100 may include operations of retrieving enhanced information including one or more sounds based on the device identifier and/or the device condition at block 402, retrieving enhanced information including one or more sounds organized on one or more graphical images based on the device identifier and/or the device condition at block 404, retrieving enhanced information including one or more communication links based on the device identifier and/or the device condition at block 406, and/or retrieving enhanced information including one or more communication links organized on one or more graphical images based on the device identifier and/or the device condition at block 408.

[0024] In some embodiments, the operation of retrieving enhanced information including one or more sounds based on the device identifier and/or the device condition at block 402 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more sounds 1030 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. Sounds 1030 may include voice instructions and or warning tones. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may retrieve voice instructions supplementing one or more retrieved graphical images 1032/1034 and/or written information 1040 discussed herein. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced

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information including one or more sounds 1030 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006 using input provided by one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018 (e.g. a trapped individual at premises 1028 providing input regarding their situation or a first responder providing feedback on conditions at premises 1028 for subsequent responders).

[0025] In some embodiments, the operation of retrieving enhanced information including one or more sounds organized on one or more graphical images based on the device identifier and/or the device condition at block 404 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more sounds 1030 organized on one or more graphical images 1032/1034 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. Sounds organized on one or more graphical images may include an icon positioned relative to a graphical image, wherein selection of the icon results in the sound. As a further example, in some embodiments, one or more premises monitoring systems 1004 may retrieve a floor plan having an icon proximate to a security door, wherein selection of the icon results in audible instructions providing a passcode and an indication of how to proceed upon entrance of a particular area. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more sounds 1030 organized as a list or another arrangement based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006.

[0026] In some embodiments, the operation of retrieving enhanced information including one or more communication links based on the device identifier and/or the device condition at block 406 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises

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monitoring systems 1004 may retrieve enhanced information including one or more communication links 1038 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. A communication link may include a phone number, an email account, an instant message account, an IP address, or the like. A communication link may include a link with a speaker, a phone, computer, or the like. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may retrieve one or more communication links 1038 for a speaker in a room of premises 1028 from one or more data sources 1006. As another specific example, in some embodiments, one or more premises monitoring systems 1004 may retrieve one or more communication links 1038 for phone of an owner, manager, employee, occupant, customer, supplier, neighbor or the like associated with premises 1028 from one or more data sources 1006. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more communication links 1038 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006 using input provided by one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018 (e.g. a trapped individual at premises 1028 providing her phone number).

[0027] In some embodiments, the operation of retrieving enhanced information including one or more communication links organized on one or more graphical images based on the device identifier and/or the device condition at block 408 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more communication links 1038 organized on one or more graphical images 1032/1034 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. Communication links organized on one or more graphical images may include an icon positioned relative to a graphical image, wherein selection of the icon results in establishing the communication

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link. As a further example, in some embodiments, one or more premises monitoring systems 1004 may retrieve a floor plan having an icon proximate to a room, wherein selection of the icon results in a communication link being established with a speaker in the room, such as to allow communication with occupants of the room. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including one or more communication links 1038 organized as a list or another arrangement based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006.

[0028] FIGURE 5 is a block diagram of alternative embodiments of a method performed by a premises monitoring system, in accordance with embodiments of the invention. In some embodiments, method 100 may include operations of retrieving enhanced information including written information based on the device identifier and/or the device condition at block 502, retrieving enhanced information including date/time information, account information, premises information, device information, condition information, support information, contact information, linked information, and/or instructional information based on the device identifier and/or the device condition at block 504, and retrieving enhanced information including written information organized on one or more graphical images based on the device identifier and/or the device condition at block 506.

[0029] In some embodiments, the operation of retrieving enhanced information including written information based on the device identifier and/or the device condition at block 502 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including written information 1040 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including written information 1040

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based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006 using input provided by one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018 (e.g. a first responder at premises 1028 may provide details as to steps taken and action items remaining). In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including written information 1040 based on one or more device identifiers and/or one or more device conditions from one or more sources other than one or more data sources 1006, such as from one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018.

[0030] In some embodiments, the operation of retrieving enhanced information including date/time information, account information, premises information, device information, condition information, support information, contact information, linked information, and/or instructional information based on the device identifier and/or the device condition at block 504 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including date/time information, account information, premises information, device information, condition information, support information, contact information 1036, linked information, and/or instructional information based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. Date/time information may include a date/time of occurrence of device condition, transmission of device identifier and/or device condition, receipt of device identifier and/or device condition, transmission of enhanced information, receipt of enhanced information, actions taken, or the like. Account information may include an account identification, an address, a contact, a site location, or the like. Premises information may include a GPS coordinate, driving directions, a crossroad, a building description, an access description, a room description, site information, a password/passcode, a warning, a remote alarm monitoring system

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hardware position/model/connection point, a response procedure, an evacuation procedure, an emergency disaster plan, or the like. Device information may include device identifier, device type, device model, device position, device description, device encasement type, device connection type, or the like. Condition information may include device condition, explanation of nature of condition, or the like. Support information may include a real-time or previously captured record of actions taken and/or reported by others, report data, archival data, or the like. Contact information may include contact information for an authority, first responder, key holder, owner, manager, occupant, neighbor, customer, supplier, service company, or the like. Link information may include a URL, file attachment, or the like. Instructional information may include a message, note, or the like. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may retrieve account address, driving directions, building description, access description, access passcode, room description, remote alarm monitoring system position/model/connection point, evacuation procedures, device position, device encasement type, explanation of nature of condition, real-time records of actions taken by others, owner contact information, service company contact information, and employee contact information based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006.

[0031] In some embodiments, the operation of retrieving enhanced information including written information organized on one or more graphical images based on the device identifier and/or the device condition at block 506 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including written information 1040 organized on one or more graphical images 1032/1034 based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. Written information organized on one or more graphical images may include an icon positioned relative to a graphical image,

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wherein selection of the icon results in display of the written information. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may retrieve a floor plan having an icon proximate to a room, wherein selection of the icon results in display of a room description. In some embodiments, one or more premises monitoring systems 1004 may retrieve enhanced information including written information 1040 organized as a list or another arrangement based on one or more device identifiers and/or one or more device conditions from one or more data source 1006.

[0032] FIGURE 6 is a block diagram of alternative embodiments of a method performed by a premises monitoring system, in accordance with embodiments of the invention. In some embodiments, method 100 may include operations of determining one or more communication methods of email, text message, instant message, website link, phone, and/or mail based on the device identifier and/or the device condition at block 602, determining one or more device communication destinations of a personal computer, a phone, a mobile device, a display, and/or a custom device based on the device identifier and/or the device condition at block 604, and determining one or more entity communication destinations of an authority, a first responder, a service company, an owner, a manager, a staff, an occupant, a supplier, a customer, a neighbor, and/or a custom entity based on the device identifier and/or the device condition at block 606.

[0033] In some embodiments, the operation of determining one or more communication methods of email, text message, instant message, website link, phone, and/or mail based on the device identifier and/or the device condition at block 602 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may determine one or more communication methods of email, text message, instant message, website link, phone, and/or mail based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. An email communication method may include sending enhanced information to one or more email accounts. A

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text message communication method may include sending enhanced information to one or more phone numbers. An instant message communication method may include sending enhanced information to one or more instant messenger accounts. A website link communication method may include establishing or updating a website to include enhanced information and sending a website link via email, text message, instant message, phone, and/or mail to facilitate access to the website. A phone communication method may include manually and/or automatically calling one or more phone numbers to deliver enhanced information. A mail based communication method may include sending enhanced information to one or more physical postal addresses. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may determine a communication method of website link via text message and/or email based upon a device identifier for a smoke detector and a device condition of alarm from one or more data sources 1006. Alternatively, in some embodiments, one or more premises monitoring systems 1004 may determine a communication method of mail based upon a device identifier for a smoke detector and a device condition of normal from one or more data source 1006 (e.g. for sending a periodic postcard confirming normal operation). In some embodiments, one or more premises monitoring systems 1004 may determine a combination of communication methods based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. In some embodiments, one or more premises monitoring systems 1004 may determine one or more communication methods of email, text message, instant message, website link, phone, and/or mail based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006 using input provided by one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018 (e.g. a concerned friend or family member may text “status request” to the premises monitoring system 1004 and the premises monitoring system 1004 may determine a communication method of text message to the phone number of the family

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member). In some embodiments, one or more premises monitoring systems 1004 may determine one or more communication methods of email, text message, instant message, website link, phone, and/or mail based on one or more device identifiers and/or one or more device conditions from one or more sources other than one or more data sources 1006, such as from one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018.

[0034] In some embodiments, the operation of determining one or more device communication destinations of a personal computer, a phone, a mobile device, a display, and/or a custom device based on the device identifier and/or the device condition at block 604 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may determine one or more device communication destinations of one or more personal computers 1014, phones 1016, mobile devices 1018 (e.g. PDA, pager, electronic book reader, or the like), displays 1020, tablets 1010, laptops 1008, mail boxes 1012, and/or custom devices (e.g. GOBOOK MR-1 by GENERAL DYNAMICS or the like) based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. A device communication destination of a personal computer may include sending enhanced information via email, text message, instant message, website link, phone, and/or mail to a personal computer. A device communication destination of a phone may include sending enhanced information via email, text message, instant message, website link, phone, and/or mail to a phone. A device communication destination of a mobile device may include sending enhanced information via email, text message, instant message, website link, phone, and/or mail to a mobile device. A device communication destination of a display may include sending enhanced information via email, text message, instant message, website link, phone, and/or mail to a display. A device communication destination of a tablet may include sending enhanced information via email, text message, instant message, website link, phone, and/or mail to a tablet. A

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device communication destination of a laptop may include sending enhanced information via email, text message, instant message, website link, phone, and/or mail to a laptop. A device communication destination of mail box may include sending enhanced information via email, text message, instant message, website link, phone, and/or mail to a postal address. A device communication destination of a custom device may include sending enhanced information via email, text message, instant message, website link, phone, and/or mail to a custom device. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may determine a device communication destination of a display 1020 (e.g. a wall mounted television screen or the like) at premises 1028 based on a device identifier for a smoke detector and a device condition of alarm from one or more data sources 1006. Alternatively, in some embodiments, one or more premises monitoring systems 1004 may determine a device communication destination of a personal computer 1014 at premises 1028 based on a device identifier for a smoke detector and a device condition of alarm from one or more data source 1006. In some embodiments, one or more premises monitoring systems 1004 may determine a combination of device communication destinations based on one or more device identifiers and/or one or more device conditions from a data source 1006. In some embodiments, one or more premises monitoring systems 1004 may determine one or more device communication destinations of one or more personal computers 1014, phones 1016, mobile devices 1018 (e.g. PDA, pager, electronic book reader, or the like), displays 1020, tablets 1010, laptops 1008, mail boxes 1012, and/or custom devices (e.g. GOBOOK MR-1 by GENERAL DYNAMICS or the like) based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006 using input provided by one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018 (e.g. a first responder may provide device communication destinations for associates/co-workers). In some embodiments, one or more premises monitoring systems 1004 may determine one or more device

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communication destinations of one or more personal computers 1014, phones 1016, mobile devices 1018 (e.g. PDA, pager, electronic book reader, or the like), displays 1020, tablets 1010, laptops 1008, mail boxes 1012, and/or custom devices (e.g. GOBOOK MR-1 by GENERAL DYNAMICS or the like) based on one or more device identifiers and/or one or more device conditions from one or more sources other than one or more data sources 1006, such as from one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018.

[0035] In some embodiments, the operation of determining one or more entity communication destinations of an authority, a first responder, a service company, an owner, a manager, a staff, an occupant, a supplier, a customer, a neighbor, and/or a custom entity based on the device identifier and/or the device condition at block 606 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may determine one or more entity communication destinations of an authority, first responder, service company, owner, manager, staff, occupant, supplier, customer, neighbor, and/or custom entity based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. An authority entity communication destination may include one or more police officers, security officers, government employees and/or officials, or the like. A first responder entity communication destination may include one or more emergency personnel, fire personnel, medical personnel, or the like. A service company entity communication destination may include one or more employees of a water company, a gas company, an electric company, or the like. An owner entity communication destination may include one or more owners of a premises, owners of a business of a premises, owners of a neighboring premises, owners of a business of a neighboring premises, or the like. A manager entity communication destination may include one or more managers of a premises, managers of a business of a premises, managers of a neighboring premises, managers of a business of a neighboring

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premises, or the like. A staff entity communication destination may include one or more staff of a business of a premises, staff of a business of a neighboring premises, or the like. An occupant entity communication destination may include one or more occupants of a premises, occupants of a neighboring premises, or the like. A supplier entity communication destination may include one or more suppliers of a business of a premises, suppliers of a business of a neighboring premises, or the like. A customer entity communication destination may include one or more customers of a business of a premises, customers of a business of a neighboring premises, or the like. A neighbor entity communication destination may include one or more neighbors of a premises, such as an upstairs, downstairs, or lateral neighbor. A custom entity communication destination may include any defined individuals or groups. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may determine entity communication destinations of police officers, medical personnel, gas company, owner of a business at a premises, staff of the business, occupants of the premises, owner of a neighboring business at the premises, and staff of the neighboring business based on a device identifier for a smoke detector and a device condition of alarm from one or more data sources 1006. In some embodiments, one or more premises monitoring systems 1004 may determine a combination of entity communication destinations based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006. In some embodiments, one or more premises monitoring systems 1004 may determine one or more entity communication destinations of one or more authorities, first responders, service companies, owners, managers, staff, occupants, suppliers, customers, neighbors, and/or custom entities based on one or more device identifiers and/or one or more device conditions from one or more data sources 1006 using input provided by one or more laptops 1008, tablets 1010, computers 1024, phones 1016, personal digital assistants 1018 (e.g. a first responder may provide entity communication destinations of associates/co-workers). In some embodiments, one or more premises

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monitoring systems 1004 may determine one or more entity communication destinations of one or more authorities, first responders, service companies, owners, managers, staff, occupants, suppliers, customers, neighbors, and/or custom entities based on one or more device identifiers and/or one or more device conditions from one or more sources other than one or more data sources 1006, such as from one or more laptops 1008, tablets 1010, computers 1024, phones 1016, and/or personal digital assistants 1018.

[0036] FIGURE 7 is a block diagram of alternative embodiments of a method performed by a premises monitoring system, in accordance with embodiments of the invention. In some embodiments, method 100 may include an operation of dispatching the enhanced information automatically without requiring operator intervention to the one or more communication destinations using the one or more communication methods at block 702.

[0037] In some embodiments, the operation of dispatching the enhanced information automatically without requiring operator intervention to the one or more communication destinations using the one or more communication methods at block 702 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may dispatch enhanced information automatically without requiring operator intervention to one or more displays 1020, personal digital assistants 1018, phones 1016, computers 1014, mail boxes 1012, tablets 1010, and/or laptops 1008 using one or more communication methods of email, text message, instant message, website link, phone, and/or mail. Dispatching the enhanced information automatically without requiring operator intervention may include no operator review or operator review prior to, during, or after dispatch. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may dispatch enhanced information substantially immediately (e.g. within a few seconds) upon receipt of one or more signals containing one or more device identifiers and/or one or more device conditions without delay caused from

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manual review. In some embodiments, one or more premises monitoring systems 1004 may triage dispatch of enhanced information automatically without requiring operator intervention to one or more communication destinations using one or more communication methods (e.g. dispatching most critical enhanced information first, dispatching to first responders first, or the like). In some embodiments, one or more premises monitoring systems 1004 may queue dispatch of enhanced information automatically without requiring operator intervention to one or more communication destinations using one or more communication methods. In some embodiments, one or more premises monitoring systems 1004 may batch dispatch of enhanced information automatically without requiring operator intervention to one or more communication destinations using one or more communication methods. In some embodiments, one or more premises monitoring systems 1004 may dispatch enhanced information automatically without requiring operator intervention to a plurality of communication destinations and/or using a plurality of communication methods (e.g. cascade or simultaneous dispatch). In some embodiments, one or more premises monitoring systems 1004 may dispatch enhanced information and/or an error message automatically without requiring operator intervention to one or more backup communication destinations and/or using one or more backup communication methods in an event of delivery failure. In some embodiments, one or more premises monitoring systems 1004 may dispatch enhanced information automatically without requiring operator intervention to one or more communication destinations using one or more communication methods to permit displaying, editing, printing, sharing, saving, or the like with respect to the enhanced information. In some embodiments, one or more premises monitoring systems 1004 may dispatch enhanced information automatically without requiring operator intervention from one or more premise monitoring systems 1004 to one or more communication destinations using one or more communication methods. In some embodiments, one or more premises monitoring system 1004 may cause dispatch of

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enhanced information automatically without requiring operator intervention from one or more sources other than one or more premise monitoring systems 1004 to one or more communication destinations using one or more communication methods (e.g. from a camera of premises 1028, from another premises monitoring system, from a personal computer 1014, or the like). In some embodiments, one or more premises monitoring systems 1004 may provide local notification prior to, during, or after dispatch of enhanced information. For example, in some embodiments, one or more premises monitoring systems 1004 may provide local notification including one or more pending signals, dispatched signals, and/or one or more resolved signals. In some embodiments, one or more premises monitoring systems 1004 may provide local notification including one or more device identifiers and/or one or more device conditions. In some embodiments, one or more premises monitoring systems 1004 may provide local notification including one or more audible alerts, displayed messages, and/or printed messages. In some embodiments, one or more premises monitoring systems 1004 may provide local notification providing for managing, acknowledging, dispatching, and/or resolving one or more signals.

[0038] In some embodiments, method 100 may include an operation of archiving. In some embodiments, the operation of archiving may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may archive one or more dispatch date and times, dispatch methods, dispatch destinations, acknowledgements, resolutions, device identifiers, device conditions, communication failures, clock setting changes, clock failures, user edits, user access, user access attempts, printer failures, or the like.

[0039] FIGURE 8 is a block diagram of a method performed by a premises monitoring system, in accordance with an embodiment of the invention. In some embodiments, method 800 may include operations of receiving enhanced information,

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one or more communication methods, and/or one or more communication destinations via a user interface that is remotely accessible at block 802, receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems at block 804; retrieving enhanced information based on the device identifier and/or the device condition at block 806; determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition at block 808; and dispatching the enhanced information to the one or more communication destinations using the one or more communication methods at block 810.

[0040] In some embodiments, method 800 may be performed by one or more premises monitoring systems 1004 as disclosed in FIGURE 10 and with reference to various embodiments discussed herein. In some embodiments, the operation of receiving enhanced information, one or more communication methods, and/or one or more communication destinations via a user interface that is remotely accessible at block 802 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may receive one or more graphical images 1032/1034 from a laptop 1008. As an additional example, in some embodiments, one or more premises monitoring systems 1004 may receive a communication message of text message and/or a communication destination from a phone 1016. Receiving enhanced information, one or more communication methods, and/or one or more communication destinations may occur as preparation for an emergency (e.g. uploading site plans, contact information, personnel photos, or the like), during an emergency (e.g. updating existing enhanced information with notes on blocked entrances, pictures of collapsed or unstable structures, notes on people missing, or the like), or after an emergency (e.g. documenting efforts, outcomes, evidence, or the like). In some embodiments, one or more premises monitoring systems 1004 may receive account information via one or more user interfaces that are remotely accessible. In some

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embodiments, one or more premises monitoring systems 1004 may receive customized enhanced information via one or more user interfaces that are remotely accessible. Customized enhanced information may replace and/or supplement default enhanced information. Customized enhanced information may be received using one or more templates. In some embodiments, one or more premises monitoring systems 1004 may receive one or more defined device identifiers and/or one or more defined device conditions via one or more user interfaces that are remotely accessible. In some embodiments, one or more premises monitoring systems 1004 may receive enhanced information including one or more graphical images 1032/1034, one or more sounds 1030, one or more communication links 1038, and/or written information 1040 via one or more user interfaces that are remotely accessible. In some embodiments, one or more premises monitoring systems 1004 may receive one or more associations of one or more indicators, sounds 1030, communication links 1038, and/or written information 1040 with one or more graphical images 1032/1034 via one or more user interfaces that are remotely accessible. In some embodiments, one or more premises monitoring systems 1004 may receive one or more associations of one or more indicators, graphical images 1032/1034, sounds 1030, communication links 1038, and/or written information 1040 with one or more device identifiers and/or one or more device conditions via one or more user interfaces that are remotely accessible. In some embodiments, one or more premises monitoring systems 1004 may receive one or more hierarchical associations of one or more graphical images 1032/1034 with one or more other graphical images 1032/1034 via one or more user interfaces that are remotely accessible. In some embodiments, one or more premises monitoring systems 1004 may receive input relating to enabling and/or disenabling one or more features of the one or more premises monitoring system 1004 via one or more user interfaces that are remotely accessible. In some embodiments, one or more premises monitoring systems 1004 may provide for one or more management tools, such as for account setup, account management, monitor of user access, dispatch review,

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acknowledgement, resolution, and/or the like, via one or more user interfaces that are remotely accessible. In some embodiments, one or more premises monitoring systems 1004 may provide archival data and/or report access via one or more user interfaces that are remotely accessible. In some embodiments, one or more premises monitoring systems 1004 may receive or provide data via one or more user interfaces that are locally accessible.

[0041] FIGURE 9 is a block diagram of a method performed by a premises monitoring system, in accordance with an embodiment of the invention. In some embodiments, method 900 may include operations of receiving one or more communication methods and/or one or more communication destinations from data of a personal device at block 902, receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems at block 904; retrieving enhanced information based on the device identifier and/or the device condition at block 906; determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition at block 908; and dispatching the enhanced information to the one or more communication destinations using the one or more communication methods at block 910.

[0042] In some embodiments, method 900 may be performed by one or more premises monitoring systems 1004 as disclosed in FIGURE 10 and with reference to various embodiments discussed herein. In some embodiments, the operation of receiving one or more communication methods and/or one or more communication destinations from data of a personal device at block 902 may be performed by a premises monitoring system 1004 as disclosed in FIGURE 10. For example, in some embodiments, one or more premises monitoring systems 1004 may receive one or more communication methods and/or one or more communication destinations from data of one or more personal devices. A personal device may include a smart card, RFID device, or the like configurable to communicating and/or otherwise indicating one or more communication

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methods and/or one or more communication destinations. As a specific example, in some embodiments, one or more premises monitoring systems 1004 may receive an email communication method and an email account communication destination automatically from a smart card of a customer as the customer enters a shopping mall, which email account corresponds to an email account accessible on a personal digital assistant of the customer. Thereafter, the one or more premises monitoring systems 1004 may use the email communication method and the email account communication destination provided from the smart card to dispatch enhanced information to the customer in the event of an emergency while the customer is in the shopping mall. As a further example, in some embodiments, one or more premises monitoring systems 1004 may receive a phone communication method and a phone number communication destination automatically from an RFID tag of a customer as the customer checks into a hotel, which phone number corresponds to a phone of the customer. Thereafter, the one or more premises monitoring systems 1004 may use the phone communication method and the phone number communication destination provided from the RFID tag to dispatch enhanced information to the customer in the event of an emergency while the customer is staying at the hotel. In some embodiments, one or more premises monitoring systems 1004 may be programmed to purge one or more communication methods and/or communication destinations received in such a manner periodically for privacy concerns. In some embodiments, one or more premises monitoring systems 1004 may receive one or more communication methods and/or one or more communication destinations by receiving an identifier from of a personal device and correlating the identifier with one or more communication methods and/or one or more communication destinations. The correlation of one or more communication methods and/or one or more communication destinations with an identifier may be managed via one or more user interfaces. In some embodiments, one or more premises monitoring systems 1004 may receive a communication method and/or a communication destination from data of a personal

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device, wherein the communication destination is a proxy communication destination that conceals the actual communication destination (e.g. a secure server may handle translations of proxy communication destinations to actual communication destinations to retain actual communication destinations in privacy). The correlation of one or more proxy communication destinations to one or more actual communication destinations may be managed via one or more user interfaces. In some embodiments, one or more premises monitoring systems 1004 may receive one or more communication methods and/or one or more communication destinations from data of one or more personal devices and/or one or more positions, which may be periodically updatable (e.g. to enable dispatch of position specific enhanced information). In some embodiments, one or more premises monitoring systems 1004 may receive one or more communication methods and/or one or more communication destinations from input via one or more kiosks.

[0043] FIGURE 10 is a diagram of a system for implementing a premises monitoring system, in accordance with an embodiment of the invention. In some embodiments, system 1000 may include a premises 1028 associated with one or more pull stations 1022, one or more security devices 1024, one or more smoke detectors 1026, and/or one or more remote alarm monitoring systems 1002; one or more premises monitoring systems 1004 operably communicating with one or more data sources 1006 including one or more sounds 1030, one or more raster graphical images 1032, one or more vector graphical images 1034, one or more communication links 1038, written information 1040, one or more cameras/videos 1038, and/or one or more contacts 1036; and/or one or more displays 1020, one or more personal digital assistants 1018, one or more phones 1016, one or more computers 1014, one or more mail boxes 1012, one or more tablets 1010, and/or one or more laptops 1008. In some embodiments, system 1000 may include fewer, greater, or different components.

[0044] In some embodiments, one or more premises 1028 may include a plurality of remote alarm monitoring systems 1002. In some embodiments, one or more

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premises 1028 may include fewer, greater, or different alarm or monitoring devices. In some embodiments, one or more remote alarm monitoring systems 1002 may be located remotely to one or more premises 1028. In some embodiments, one or more premises monitoring systems 1004 may be disposed locally and/or remotely from one or more premises 1028. In some embodiments, one or more premises monitoring systems 1004 may be associated with a plurality of remote alarm monitoring systems 1002 and/or a plurality of premises 1028. In some embodiments, one or more data stores 1006 may be local and/or remote from one or more premises monitoring systems 1004. In some embodiments, one or more data stores 1006 may be distributed. In some embodiments, one or more premises monitoring systems 1004 may be configured to dispatch and/or receive communications from one or more displays 1020, personal digital assistants 1018, phones 1016, computers 1014, mail boxes 1012, tablets 1010, and/or laptops 1008.

[0045] In some embodiments, one or more premises 1028 may include any residential, commercial, industrial, marina, transportation, indoor, outdoor, mixed-use, or other similar premises. In some embodiments, one or more remote alarm monitoring systems 1002 may include a Digital Alarm Communicator Transmitter (DACT), a RADSCAN ALARMNET 7810, a LARSNET RCI3300 AND RCI4000, a KELTRON RF7300 – AES Intellinet receiver, or the like. In some embodiments, one or more remote alarm monitoring systems 1002 may be configured to communicate using formats including (1) SESCOA, VERTEX, DCI, FRANKLIN FAST - 3X1, (2) SESCOA - 4X3, (3) RADIONICS HEX - 3X1, MODEM IIIa2 and BFSK, (4) Old ADEMCO, SILENT KNIGHT SLOW - 3X1, (5) ACRON - 4X1, (6) SILENT KNIGHT, NAPCO - 4X2, (7) CFSK, VFSK, SIA - MODEM, (8) FBI SUPERFAST, SUR-GARD, ADEMCO HI-SPEED, (9) ADEMCO EXPRESS and ADEMCO CONTACT-ID – DTMF, or the like. In some embodiments, one or more remote alarm monitoring systems 1002 may be configured to communicate using reverse polarity, end-of-line resistors, dry contacts, proprietary tone signals, private lines, digital dialers, direct connects (e.g., POTS or

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fiber), star multiplex, distributed multiplex, coded signals, analog telephone lines, wireless communication, internet communication, ethernet communication, or the like. In some embodiments, one or more premises monitoring systems 1004 may be configured to receive one or more signals in series or in parallel from one or more remote alarm monitoring systems 1002. In some embodiments, one or more premises monitoring systems 1004 may be configured to include a swinger suppression operation to filter swinger signals toggling between normal and abnormal states to a manageable number (e.g. allowing a first occurrence, a most recent occurrence, and tracking a number of signals). In some embodiments, one or more premises monitoring systems 1004 may be configured to include operations of signal suppression, signal ignore, signal filter, and/or signal auto-acknowledge, which may be based upon a device identifier, a device condition, a period of time, weather severity, account, or the like. In some embodiments, one or more premises monitoring systems 1004 may be configured to include an operation of signal communication error detection. In some embodiments, one or more premises monitoring systems 1004 may include one or more redundancies, such as for backup and/or load balancing. In some embodiments, one or more premises monitoring systems 1004 may include one or more redundancies with automatic updates between redundant components. In some embodiments, one or more premises monitoring systems 1004 may include one or more dedicated components, such as for receiving signals for certain device types and/or device conditions.

[0046] In some embodiments, any embodiments discussed herein may be embodied in computer readable storage media and/or computer readable signals.

[0047] While preferred and alternate embodiments of the invention have been illustrated and described, as noted above, many changes can be made without departing from the spirit and scope of the invention. Accordingly, the scope of the invention is not limited by the disclosure of these preferred and alternate embodiments. Instead, the invention should be determined entirely by reference to the claims that follow.

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What is Claimed is:

1. A method comprising:

receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems;

retrieving enhanced information based on the device identifier and/or the device condition;

determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition; and

dispatching the enhanced information to the one or more communication destinations using the one or more communication methods.

2. The method of Claim 1, wherein the receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems comprises:

receiving one or more signals containing a device identifier for a smoke detector, a pull station, a security detector, a carbon monoxide detector, and/or a check-in monitor from one or more remote alarm monitoring systems.

3. The method of Claim 1, wherein the receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems comprises:

receiving one or more signals containing a device condition of normal, fault, and/or supervisory from one or more remote alarm monitoring systems.

4. The method of Claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

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retrieving enhanced information including one or more graphical images based on the device identifier and/or the device condition.

5. The method of Claim 4, wherein the retrieving enhanced information including one or more graphical images based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more graphical images having one or more superimposed meaningful audio and/or visual indicators based on the device identifier and/or the device condition.

6. The method of Claim 4, wherein the retrieving enhanced information including one or more graphical images based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more hierarchically organized graphical images based on the device identifier and/or the device condition.

7. The method of Claim 4, wherein the retrieving enhanced information including one or more graphical images based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more vector-based graphical images based on the device identifier and/or the device condition.

8. The method of Claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more sounds based on the device identifier and/or the device condition.

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9. The method of Claim 8, wherein the retrieving enhanced information including one or more sounds based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more sounds organized on one or more graphical images based on the device identifier and/or the device condition.

10. The method of Claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more communication links based on the device identifier and/or the device condition.

11. The method of Claim 10, wherein the retrieving enhanced information including one or more communication links based on the device identifier and/or the device condition comprises:

retrieving enhanced information including one or more communication links organized on one or more graphical images based on the device identifier and/or the device condition.

12. The method of Claim 1, wherein the retrieving enhanced information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including written information based on the device identifier and/or the device condition.

13. The method of Claim 12, wherein the retrieving enhanced information including written information based on the device identifier and/or the device condition comprises:

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retrieving enhanced information including date/time information, account information, premises information, device information, condition information, support information, contact information, linked information, and/or instructional information based on the device identifier and/or the device condition.

14. The method of Claim 12, wherein the retrieving enhanced information including written information based on the device identifier and/or the device condition comprises:

retrieving enhanced information including written information organized on one or more graphical images based on the device identifier and/or the device condition.

15. The method of Claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition comprises:

determining one or more communication methods of email, text message, instant message, website link, phone, and/or mail based on the device identifier and/or the device condition.

16. The method of Claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition comprises:

determining one or more device communication destinations of a personal computer, a phone, a mobile device, a display, and/or a custom device based on the device identifier and/or the device condition.

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17. The method of Claim 1, wherein the determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition comprises:

determining one or more entity communication destinations of an authority, a first responder, a service company, an owner, a manager, a staff, an occupant, a supplier, a customer, a neighbor, and/or a custom entity based on the device identifier and/or the device condition.

18. The method of Claim 1, wherein the dispatching the enhanced information to the one or more communication destinations using the one or more communication methods comprises:

dispatching the enhanced information automatically without requiring operator intervention to the one or more communication destinations using the one or more communication methods.

19. The method of Claim 1, further comprising:

receiving enhanced information, one or more communication methods, and/or one or more communication destinations via a user interface that is remotely accessible.

20. The method of Claim 1, further comprising:

receiving one or more communication methods and/or one or more communication destinations from data of a personal device.

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PREMISES MONITORING SYSTEM

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ABSTRACT OF THE DISCLOSURE

This invention relates generally to computer systems, and more specifically, to a premise monitoring system. In one embodiment, the invention includes operations of
975 receiving one or more signals containing a device identifier and a device condition from one or more remote alarm monitoring systems; retrieving enhanced information based on the device identifier and/or the device condition; determining one or more communication methods and/or communication destinations based on the device identifier and/or the device condition; and dispatching the enhanced information to the
980 one or more communication destinations using the one or more communication methods.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/695,373

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	82		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	270		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	110		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =		x$26		OR	x$52	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x$110			x$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 $260 ($130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR			270			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))			195			390	
			TOTAL	732		TOTAL	

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

APPLICATION AS AMENDED – PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A		OR	N/A	
						TOTAL ADD'T FEE		OR	TOTAL ADD'T FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					N/A		OR	N/A	
						TOTAL ADD'T FEE		OR	TOTAL ADD'T 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".
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