July 24th, 2018

James Parker

(416) 302-7501

Electronic Security Systems & Sensors,
Electronics R&D - New Product Development

- Over 35 years' in-depth industry experience. "Hands on" to senior executive levels.
- Past Vice President of Engineering for Tyco Security Products / Digital Security Controls (DSC), a leading global manufacturer of electronic security systems and components with sales exceeding ~$400 million annually (Tyco acquired DSC in 2001).
- Hundreds of products researched, developed and released including Wired and Wireless Security Systems, Control Panels, Motion Detectors, Smart Solar LED Lighting and more.
- Experienced with the complete new product development cycle. Concept to production.
- Named Inventor on **25+ Patents**. Experienced in the Patent identification & filing process.
- Experienced with Civil, Criminal & Patent Litigation, Arbitration & Inter Partes Reviews IPR

Client List: Cravath, Swaine & Moore | Weil, Gotshal & Manges | Fish & Richardson | Duane Morris | Cooley Hunton & Williams | Freitas, Angell & Weinberg | Langdon and Emison | Tadlock | Devlin Law Mitchell Williams | Stratum Law | Bryan Cave | Morgan Lewis & Bockius | Akerman | Baker Botts 2GIG Technologies | Nest Labs (Google) | Alarm.com | AT&T Digital Life | Coleman Research Lowe's Companies | MD Security Solutions | SecureNet Technologies | Secured Structures Telular Corporation | Skybell Technologies | Zonoff Inc. | Zmodo Technology | ITX Security Co.

Areas of Expertise:

Burglar Alarm Security Systems

Wired, Wireless and Hybrid Security Alarm Systems and Sensors

Intrusion Detection Systems

Premise Monitoring Systems

Smoke and Fire Alarm Systems

Integrated Security Systems

Video Monitoring (CCTV) and Verification with Security

Audio Listen In, Intercom, Paging with Security

Access Control with Security

Home Automation with Security

Occupancy Detection Systems

Alarm Control Panels, Intrusion Control Panels, Alarm System Controllers, Control Devices

Keypads, Zone Expanders, Wireless Rx/Tx, Output Modules, Sensors, Digital Dialers / Communicators

Motion Detectors, PIR (Passive InfraRed) Fresnel & Mirror Optic, µW Doppler (X/K Band Microwave)

Smoke Detectors, Heat Detectors

Door and Window Sensors

Electronic Security System and Sensor Design – Wired and Wireless

Electronic Circuit Design (Analog, Digital and RF)

Embedded Controllers (CPU/MCU) (Zilog Z8/eZ8, Microchip PIC, etc.)

Software Coding (Assembler / C)

Circuit Simulations and Analysis

Narrowband RF wireless (433Mhz)

Spread Spectrum (902 to 928 Mhz)

Battery Charging and Protection (CC/CV, LiFePO4, Li-Poly, etc.)

Low voltage (control) systems

Alarm System Monitoring & Communications to Central Station.

Alarm Signaling Technology Cellular, Land Line, Long Range RF

Security Network Protocols (AML, Wireless, Keybus, Combus)

Personal Emergency Response System (P.E.R.S.)

False Alarm Reduction Modules

Telephone, Thermostat, X-10 (PLC) Interactive Interface with Security

SOHO PBX Telephone Systems

New Product Development (NPD)

Product Research & Development

Electronic Product Design

Engineering Management

Speed To Market

Design for Manufacturability

Design for Reliability

Cost Reduction Programs

Compliance & Agency Approvals

Environmental Immunity (ESD/EFT)

Radiated & Conducted Immunity

False Alarm Immunity

Plastic Enclosure (Tooling) Design for Production Injection Molding

Mixed Mode ASIC Development

Electronic (Smart) Thermostats

Solar Cell Charging Circuitry (MPPT)

Energy Management Systems

LED Driver & Control Circuitry

Solar Powered LED Lighting (Patio to Street Level)

Glassbreak Detectors, Vibration and Shock Sensors

EXPERT NOT RETAINED

List of Patents by Priority Date - James Parker as a Named Inventor

- **Wireless Alarm System (1993)**
  - *A security system having a two way wireless keypad which operates in a particular manner for improved operation…*
- **Method And Arrangement For Recognition Of A Coded Transmitted Signal (1994)**
  - *The present invention is for fast, reliable recognition of coded signals where the signal includes a predetermined…*
- **Security System With Two Signal Reporting (1997)**
  - *A security system having two distinct channels of communication and which uses a single communication device…*
- **Home Automation And Security System Controller (1997)**
  - *The present invention, in one aspect, is directed to a security system which is capable of acting as an information…*
- **Controllable Still Frame Video Transmission System (1997)**
  - *A video capture controller for selective capture of video images from a plurality of video cameras, the capture…*
- **Programmable Temperature Sensor For Security System (1998)**
  - *The present invention in one aspect, provides for a programmable temperature sensor for a device as part of a…*
- **Suspended Code For Alarm System (1998)**
  - *The system generates alarm suspension codes without direct interaction with the alarm panel. The alarm control…*
- **Biometric Input Device For Security System (1998)**
  - *The present invention provides for a biometric input device for a security system. The biometric input device includes…*
- **Dual Mode Panel (1999)**
  - *A dual mode alarm control panel includes a sensing arrangement for determining conditions of the environment in…*
- **Alarm System Using Local Data Channel (1999)**
  - *An alarm system has an alarm unit in combination with a line seize module. The alarm unit includes a transmitter /…*
- **Alarm System With Programmable Device Control (2000)**
  - *An alarm system providing programmable remote control of electrically controlled devices, such as lights, is provided…*
- **Security Alarm Keypad With Message Alert (2000)**
  - *A security alarm system is adapted to retrieve e-mail status information and provide an alert signal for the user of the…*
- **Remote Recovery Arrangement For Alarm System (2000)**
  - *A security alarm system cooperates with a remote monitoring station to improve the reliability of the alarm system…*
- **Security Alarm Keypad With Message Alert (2000)**
  - *A security alarm system is adapted to retrieve e-mail status information and provide an alert signal for the user of the…*
- **Remote Recovery Arrangement For Alarm System (2000)**
  - *A security alarm system cooperates with a remote monitoring station to improve the reliability of the alarm system…*
- **Alarm System With Programmable Device Control (2000)**
  - An alarm system providing programmable remote control of electrically controlled devices, such as lights, is provided…
- **Integrated Lightning Detector (2003)**
  - *An alarm panel of a security system is additionally provided with an interference circuit for evaluating the possible…*
- **False Alarm Reduction Method And System (2005)**
  - *A digital verification control, which is incorporated with an alarm system, includes a first timer device for presetting a…*
- **Security Device With Built-In Intercommunicated False Alarm Reduction Control (2005)**
  - *A security device includes a plurality of security detectors intercommunicating with each other. Each of the security…*
- **Integrated Detecting Processor (2005)**
  - *An infrared sensor includes an infrared generator for generating infrared radiation within a detecting area, a pyro...*
- **Energy Signal Detection Device Containing Integrated Detecting Processor (2005)**
  - *An energy signal detection device includes a pyroelectric sensor sensing an infrared radiation within a detecting area...*
- **Process And System Of Energy Signal Detection (2006)**
  - *A process and system of energy signal detection, which improves sensitivity, performance and reliability thereof and...*
- **Process And System Of Power Saving Lighting (2007)**
  - *A process and system of lighting with green energy source and intelligent power management, which saves energy…*
- **Process And System Of Energy Signal Detection (2008)**
  - *A process and system of energy signal detection, which improves sensitivity, performance and reliability thereof and…*
- **Single MCU-Based Motion Detection, Local Alarm And Supervisory Arrangement For Alarm System (2008)**
  - *A device with single MCU-based motion detection, local alarm and supervisory arrangement for alarm system…*

Notes: Click here to jump ahead to the patent summary section of this document for more details…
Click on the respective icon above to open a corresponding PDF copy of the patent.

EXPERT NOT RETAINED

Expert Witness / Technical Consultant Experience (www.parsec.ca)

1) Honeywell International, Inc. v. 2GIG Technologies, Inc. et al			
2-09-cv-05156	U.S. District Court	Eastern District of New York (Central Islip)	
Patent Infringement	Date Filed: 11/24/2009	Terminated: 04/07/2011	
Pla.	Honeywell International Inc.	Rep. by	Kirkland & Ellis LLP
>Def.	**2GIG Technologies, Inc.**	**Rep. by**	**Weil, Gotshal & Manges LLP**
Patent In Suit	US Patent 6928148 invented by Simon et al. **"Integrated Security And Communications System With Secure Communications Link"**		

Retained by Weil, Gotshal & Manges LLP, the attorneys for the defendant, 2GIG Technologies, Inc.. The plaintiff, Honeywell International Inc., represented by the law firm of Kirkland & Ellis LLP, accused 2GIG Technologies Inc. of infringing on U.S. patent 6,928,148 entitled "Integrated Security And Communications System With Secure Communications Link". A prior art search conducted by Weil, Gotshal & Manges identified the international patent WO09849663A1 entitled **"Home Automation And Security System Controller"**. As a **named inventor** on this international patent I was contacted and subsequently retained as an Expert Witness by Weil, Gotshal & Manges. Worked with Weil, Gotshal & Manges legal team to generate extensive Expert Report, subsequent amendments and responses. Compiled an analysis of Honeywell's manufacturing potential with respect to their claimed key infringed products. Provided various additional support as required. Assisted with rebuttal of opposing Expert Reports. Prepared and trained for upcoming Deposition by Weil, Gotshal & Manges. Case settled before trial.

2) Honeywell International, Inc. v. Nest Labs, Inc. (*Google) et al			
0:12-cv-00299	U.S. District Court	District of Minnesota (DMN)	
Patent Infringement	Date Filed: 02/06/2012	Terminated: 5/6/2016	
Pla.	Honeywell International, Inc.	Rep. by	Faegre Baker Daniels LLP
>Def.	**Nest Labs, Inc. (*Google)**	**Rep. by**	**Fish & Richardson PC**
Patent In Suit	US Patent 7476988 invented by Mulhouse et al. **"Power Stealing Control Devices"** *(Multiple patents in this suit but was involved with only the '988 patent.)*		

Honeywell sued Nest Labs for multiple patent infringement involving several patents in the Home Automation field, more specifically, Smart Home HVAC Thermostat Controllers ("Smart Thermostats"), a popular example being the Nest Learning Thermostat. I was contacted by Fish and Richardson, the attorneys for the Defendant Nest Labs and retained. Reviewed in detail the Honeywell owned, United States Patent 7,476,988 entitled "Power Stealing Control Devices" as well as several related patents and documentation. Asked to analyze electronic schematics and determine the precise functionality of several key components. Performed several comparative analyses. Generated an initial Expert Declaration in 2012 and then a follow up Expert Declaration in 2015. Provided technical support based on my history and experience. Case settled out of court. *Note: Google acquired Nest Labs during this litigation matter.

3) Alarm.com Incorporated v. Telular Corporation			
1:13-cv-00890	U.S. District Court	District of Delaware (Wilmington)	
Patent Infringement	Date Filed: 05/20/2013	Terminated: 1/9/2014	
>Pla.	**Alarm.com Incorporated**	**Rep. by**	**Cravath, Swaine & Moore LLP**
Def.	Telular Corporation	Rep. by	Wilson Sonsini Goodrich & Rosati

EXPERT NOT RETAINED

Patents In Suit	US Patents 6661340, 6965313 and 7113090 all invented by Saylor et al. **"System And Method For Connecting Security Systems To A Wireless Device"** *(same title for all 3 patents)* US Patent 8350694 invented by Trundle et al. "**Monitoring System To Monitor A Property With A Mobile Device With A Monitoring Application**"

In May of 2013, Alarm.com filed suit against Telular for patent infringement of the following 4 US Patents; 6661340, 6965313 and 7113090 all entitled "System And Method For Connecting Security Systems To A Wireless Device" and 8350694 entitled "Monitoring System To Monitor A Property With A Mobile Device With A Monitoring Application". I was retained by the law firm of Cravath, Swaine & Moore, the attorneys for the Plaintiff, Alarm.com Inc. Performed preliminary review of the case material. Telular, was at the time a major customer of iControl products and it was Telular's sales and installation of these (re-branded) iControl products that prompted Alarm.com to initiate this infringement suit. Less than 2 months later, iControl launched their own patent infringement suit against Alarm.com (see #4 below). This caused the original Alarm.com v. Telular matter to be put on the back burner. The time table of the iControl v. Alarm.com matter being much shorter than this Alarm.com v. Telular action. This case was settled in conjunction with the iControl matter (see #4 below for more details).

4) iControl Networks, Inc. v. Alarm.com Incorporated et al

1:13-cv-00834	U.S. District Court	Eastern District of Virginia - (Alexandria)	
Patent Infringement	Date Filed: 7/10/2013	Terminated: 1/9/2014	
Pla.	iControl Networks, Inc.	Rep. by	Kaufman & Canoles PC
>Def.	**Alarm.com Incorporated**	**Rep. by**	**Cravath, Swaine & Moore LLP**
Patents In Suit	US Patent 7262690 invented by Heaton et al. **"Method And System For Monitoring Events"** US Patent 7911341 invented by Raji et al. **"Method For Defining And Implementing Alarm/Notification By Exception"** US Patent 8073931 invented by Dawes et al. **"Networked Touchscreen With Integrated Interfaces"** US Patent 8335842 invented by Raji et al. **"Premises Management Networking"** US Patent 8473619 invented by Baum et al. **"Security Network Integrated With Premise Security System"** US Patent 8478844 invented by Baum et al. **"Forming A Security Network Including Integrated Security System Components And Network Devices"** US Patent 7113090 invented by Saylor et al. **"System And Method For Connecting Security Systems To A Wireless Device"** US Patent 8350694 invented by Trundle et al. **"Monitoring System To Monitor A Property With A Mobile Device With A Monitoring Application"** US Patent 8493202 invented by Trundle et al. **"Alarm Signaling Technology"**		

At the time this suit was filed (July 10th 2013), I was already engaged by Cravath, Swaine & Moore, the attorneys for the Defendant Alarm.com Incorporated (see #3 above). Both parties (Alarm.com and iControl) sued each other for patent infringement involving a total of 11 patents. Prepared extensive Expert Reports and related documents. Assisted in Rebuttal of other sides Expert Reports. Performed both infringement and invalidity analysis. Provided multiple possible Prior Art examples. All work done to a very accelerated timeframe. Required many late nights, even some through the

EXPERT NOT RETAINED

night sessions with the Cravath team working to meet the case deadlines. Fully prepared and trained extensively for several weeks by the team of Cravath Attorneys for my forthcoming Deposition. Just before my scheduled time for the Deposition, the parties entered into preliminary settlement talks. My Deposition was put on hold and in the end cancelled as the parties ultimately reached a settlement agreement.

5) Script Security Solutions, LLC v. AT&T Digital Life, Inc. et al

2:15-cv-00370	U.S. District Court	Eastern District of TEXAS (Marshall)	
Patent Infringement	Date Filed: 3/13/2015	Terminated: 2/19/2016	
Pla.	Script Security Solutions LLC	Rep. by	Antonelli, Harrington & Thompson
>Def.	**AT&T Digital Life, Inc.**	**Rep. by**	**Duane Morris LLP**
Patents In Suit	US Patents 6542078, 6828909 and 7113091 invented by Script et al. **"Portable Motion Detector And Alarm System And Method"**		

Retained by the law firm of Duane Morris LLP, the attorneys for the Defendant, AT&T Digital Life. Reviewed case material. Provided multiple examples of (potential) prior art. Generated supporting (prior art / invalidity) claim charts. Provided additional technical support as required. Case settled before trial.

6) Secured Structures, LLC v. Alarm Security Group, LLC

6:14-cv-00930	U.S. District Court	Eastern District of TEXAS (Tyler)	
Patent Infringement	Date Filed: 12/12/2014	Terminated: 9/26/2016	
>Pla.	**Secured Structures, LLC**	**Rep. by**	**Tadlock Law Firm**
Def.	Alarm Security Group, LLC	Rep. by	Fish & Richardson P.C. - Dallas
Patent In Suit	US Patent 6134303 invented by Chen **"United Home Security System"**		

Secured Structures sued the Alarm Security Group for infringement of US patent 6,134,303 entitled "United Home Security System". Retained by the Tadlock Law Firm, the attorneys for the Plaintiff, Secured Structures LLC. Reviewed and analysed relevant material as required. Assisted with claim construction matters. Prepared expert declaration. Provided technical expertise and support. Case settled before trial.

7) C. Lewis-Harris et al v. Interstate Realty et al

1416-cv-29921	U.S. Circuit Court	Jackson County, MO (Independence)	
Wrongful Death Civil Suit	Date Filed: 12/31/2014	Terminated: 08/26/2016	
>Pla.	**C. Lewis-Harris & S. Payne**	**Rep. by**	**Langdon and Emison A.A.L.**
Def.	Interstate Realty Man. Co.	Rep. by	McAnany, Van Cleave & Phillips

Retained by Langdon & Emison Attorneys At Law who represented the Plaintiff (C. Lewis-Harris & S. Payne) in a Wrongful Death suit. Reviewed all case material (Police Dep. report, Fire Dep report, Central Monitoring Station Logs, etc.) Performed in-depth onsite inspection. Completed detailed analysis of equipment (alarm control system hardware, pull stations, pull cords, wiring, etc.) and relevant documentation (test plan & logs, maintenance plan & logs, etc.). Formulated theory of failure mechanisms. Deposed by defendants attorneys. Case settled before trial with plaintiffs receiving a favorable settlement of close to one million dollars (according to public court records).

EXPERT NOT RETAINED

8) Iron Gate Security, Inc. v. Lowe's Companies, Inc.

1:15-cv-08814	U.S. District Court	Southern District of New York (Foley Square)	
Patent Infringement	Date Filed: 11/09/2015	Terminated: 11/1/2016	
Pla.	Iron Gate Security, Inc.	Rep. by	Lerner, David, Littenberg, Krum…
>Def.	**Lowe's Companies, Inc.**	**Rep. by**	**Hunton & Williams LLP (DC)**
Patent In Suit	US Patent 6288641 invented by Casais **"Assembly, And Associated Method, For Remotely Monitoring A Surveillance Area"**		

Iron Gate Security Inc., represented by the law firm of Lerner David Littenberg Krumholz & Mentlik, LLP, sued Lowe's for infringement of US Patent 6,288,641 entitled "Assembly, And Associated Method, For Remotely Monitoring A Surveillance Area". Retained by Hunton & Williams LLP, the attorneys for the Defendant, Lowe's Companies, Inc.. Reviewed and analysed relevant documentation. Searched for, identified and prioritized prior art and/or obviousness material on a claim by claim basis to determine optimum references. Heavily involved in the preparation of the IPR (Inter Partes Review) Petition. Prepared expert declaration in support of IPR effort. Reviewed and assisted with the generation of the completed draft IPR Petition. Parties entered into settlement talks, the litigation matter was settled and the IPR petition was shelved.

9) Petition for I.P.R. by RPX Corp. (v. MD Security Solutions LLC)

PTAB-IPR2016-00285	Patent Trial & Appeal Board (PTAB)		US 7,864,983 B2
Inter Partes Review (IPR)	Date Filed: 12/4/2015	Status: Active (IPR Filed)	
Pet.	RPX Corporation	Rep. by	Wolf, Greenfield & Sacks
>Pat.	**MD Security Solutions**	**Rep. by**	**Freitas, Angell & Weinberg**
Patent In IPR	US Patent 7864983 invented by Dronge **"Security Alarm System"**		

RPX Corporation submitted before the Patent Trial and Appeal Board (PTAB), a Petition (Pet.) for an Inter Partes Review (IPR) of U.S. Patent No. 7,864,983 entitled "Security Alarm System". Retained by Freitas, Angell & Weinberg (FAW LAW), the attorneys for Patent Owner (MD Security Solutions). Reviewed and analysed relevant material. Provided declaration regarding key technical points. Reviewed and critiqued Patent Owners response to PTAB. Received. Deposed by Wolf, Greenfield & Sacks (Attorneys for RPX Corporation). Received positive feedback from FAW LAW (client) post deposition.

10) Petition for I.P.R. by SecureNet Technologies (v. iControl Networks)

PTAB-IPR2016-01919	Patent Trial & Appeal Board (PTAB)		US 8,473,619 B2
Inter Partes Review (IPR)	Date Filed: 9/30/2016	Status: Active (IPR Pet. Filed)	
>Pet.	**SecureNet Technologies**	**Rep. by**	**Cooley LLP**
Pat.	iControl Networks Inc.	Rep. by	Wilson, Sonsini, Goodrich & Rosati
Patent In IPR	US Patent 8473619 invented by Baum et al. **"Security Network Integrated With Premise Security System"** (claims 1-9, 12-16, 19, 23-28, 32, 34, 42-47, 54-57 AND 59-62)		

EXPERT NOT RETAINED

Retained by the law firm of Cooley LLP, the Attorneys for the Petitioner (Pet.) SecureNet Technologies to assist in the preparation of multiple IPR (Inter Partes Review) Petitions. Assisted in the search, vetting and prioritization of prior art and obviousness references. Generated comprehensive expert declarations and was heavily involved in the preparation of the finalized IPR Petitions. IPR Petitions filed Sep 30th, 2016. The Patent Owner (Pat.) iControl Networks Inc., represented by the law firm of Wilson, Sonsini, Goodrich & Rosati P.C..

11) Petition for I.P.R. by SecureNet Technologies (v. iControl Networks)

PTAB-IPR2016-01920	Patent Trial & Appeal Board (PTAB)		US 8,473,619 B2
Inter Partes Review (IPR)	Date Filed: 9/30/2016		Status: Active (IPR Pet. Filed)
>Pet.	**SecureNet Technologies**	**Rep. by**	**Cooley LLP**
Pat.	iControl Networks Inc.	Rep. by	Wilson, Sonsini, Goodrich & Rosati
Patent In IPR	US Patent 8473619 invented by Baum et al. **"Security Network Integrated With Premise Security System"** (claims 17, 18, 20-22, 29-31, 33, 35-41, 48-53 and 58)		

Retained by the law firm of Cooley LLP, the Attorneys for the Petitioner (Pet.) SecureNet Technologies to assist in the preparation of multiple IPR (Inter Partes Review) Petitions. Assisted in the search, vetting and prioritization of prior art and obviousness references. Generated comprehensive expert declarations and was heavily involved in the preparation of the finalized IPR Petitions. IPR Petitions filed Sep 30th, 2016. The Patent Owner (Pat.) iControl Networks Inc., represented by the law firm of Wilson, Sonsini, Goodrich & Rosati P.C..

12) Petition for I.P.R. by SecureNet Technologies (v. iControl Networks)

PTAB-IPR2016-01911	Patent Trial & Appeal Board (PTAB)		US 8,478,844 B2
Inter Partes Review (IPR)	Date Filed: 9/30/2016		Status: Active (IPR Pet. Filed)
>Pet.	**SecureNet Technologies**	**Rep. by**	**Cooley LLP**
Pat.	iControl Networks Inc.	Rep. by	Wilson, Sonsini, Goodrich & Rosati
Patent In IPR	US Patent 8478844 invented by Baum et al. **"Forming a Security Network Including Integrated Security System Components and Network Devices"** (claims 1-4, 6-24 and 41)		

Retained by the law firm of Cooley LLP, the Attorneys for the Petitioner (Pet.) SecureNet Technologies to assist in the preparation of multiple IPR (Inter Partes Review) Petitions. Assisted in the search, vetting and prioritization of prior art and obviousness references. Generated comprehensive expert declarations and was heavily involved in the preparation of the finalized IPR Petitions. IPR Petitions filed Sep 30th, 2016. The Patent Owner (Pat.) iControl Networks Inc., represented by the law firm of Wilson, Sonsini, Goodrich & Rosati P.C..

13) Petition for I.P.R. by SecureNet Technologies (v. iControl Networks)

PTAB-IPR2016-01916	Patent Trial & Appeal Board (PTAB)		US 8,478,844 B2
Inter Partes Review (IPR)	Date Filed: 9/30/2016		Status: Active (IPR Pet. Filed)
>Pet.	**SecureNet Technologies**	**Rep. by**	**Cooley LLP**
Pat.	iControl Networks Inc.	Rep. by	Wilson, Sonsini, Goodrich & Rosati

EXPERT NOT RETAINED

Patent In IPR	US Patent 8478844 invented by Baum et al. **"Forming a Security Network Including Integrated Security System Components and Network Devices"** (claims 25-40 and 42-50)

Retained by the law firm of Cooley LLP, the Attorneys for the Petitioner (Pet.) SecureNet Technologies to assist in the preparation of multiple IPR (Inter Partes Review) Petitions. Assisted in the search, vetting and prioritization of prior art and obviousness references. Generated comprehensive expert declarations and was heavily involved in the preparation of the finalized IPR Petitions. IPR Petitions filed Sep 30th, 2016. The Patent Owner (Pat.) iControl Networks Inc., represented by the law firm of Wilson, Sonsini, Goodrich & Rosati P.C..

14) Petition for I.P.R. by SecureNet Technologies (v. iControl Networks)

PTAB-IPR2016-01909	Patent Trial & Appeal Board (PTAB)		US 8,073,931 B2
Inter Partes Review (IPR)	Date Filed: 9/30/2016		Status: Active (IPR Pet. Filed)
>Pet.	**SecureNet Technologies**	**Rep. by**	**Cooley LLP**
Pat.	iControl Networks Inc.	Rep. by	Wilson, Sonsini, Goodrich & Rosati
Patent In IPR	US Patent 8073931 invented by Dawes et al. **"Networked Touchscreen With Integrated Interfaces"** (claims 1-6, 14-46, 49-58 and 60-61)		

Retained by the law firm of Cooley LLP, the Attorneys for the Petitioner (Pet.) SecureNet Technologies to assist in the preparation of multiple IPR (Inter Partes Review) Petitions. Assisted in the search, vetting and prioritization of prior art and obviousness references. Generated comprehensive expert declarations and was heavily involved in the preparation of the finalized IPR Petitions. IPR Petitions filed Sep 30th, 2016. The Patent Owner (Pat.) iControl Networks Inc., represented by the law firm of Wilson, Sonsini, Goodrich & Rosati P.C..

15) Controllable On-Site Protection Security Systems Inc v. Telular Corp.

4:14-cv-00487	U.S. District Court	Little Rock Division (Arkansas Eastern District)	
Product Liability (Class Action)	Date Filed: 08/20/2014	Terminated: 03/12/2018	
Pla.	C.O.P. Security Systems Inc.	Rep. by	Crowder McGaha, LLP
>Def.	**Telular Corporation**	**Rep. by**	**Mitchell Williams PLLC**

Retained by the law firm of Mitchell Williams PLLC, who represented the defendants Telular Corporation in a class action product liability suit. Reviewed the Telular product hardware and software related to the matter. Interviewed Telular engineers and service technicians as required. Generated preliminary opinion regarding the Telular products in question. This matter settled before trial.

16) Petition for I.P.R. by Skybell Technologies, Inc. (v. Eyetalk365, LLC)

PTAB-IPR2017 (not filed)	Patent Trial & Appeal Board (PTAB)		US 9,516,284
Inter Partes Review (IPR)	Date Retained: 04/05/2017		Status: Completed 09/26/2017
>Pet.	**Skybell Technologies, Inc.**	**Rep. by**	**1) Stratum Law LLC** **2) Bryan Cave LLP**
Pat.	Eyetalk365, LLC	Rep. by	1) Klemchuk LLP 2) Parry Tyndall White

EXPERT NOT RETAINED

Patent In IPR	US Patent 9516284 invented by Carter **"Communication and monitoring system"**

Retained by Skybell Technologies Inc, to assist their attorneys (initially Stratum Law LLC, and then Bryan Cave LLP) in the generation of an Inter Partes Review (IPR) petition and accompanying declaration targeting US patent 9,516,284 entitled "Communication and monitoring system". The patent owner of the '284 patent was Eyetalk365 LLC represented by Klemchuk LLP and Parry Tyndall White. Reviewed the '284 patent in detail. Reviewed the '284 patents file history. Assisted in the search, vetting and prioritization of prior art and "obviousness". Reviewed and updated draft petition. Assisted in the generation of multiple claim charts. Researched and provided definitions of key claim terms plus provided supporting documentation. Provided broadest reasonable definition for several claim terms. Generated draft declaration with supporting claim charts. Further reviewed and updated the draft declaration, claim charts and petition. Inter Partes Review (IPR) petition not filed. Related litigation matter settled before trial.

17) iControl Networks, Inc. v. Zonoff, Inc.

1-14-cv-01199	U.S. District Court	District of Delaware (Wilmington)	
Patent Infringement	Date Filed: 9/16/2014	Terminated: 11/6/2017	
Pla.	iControl Networks, Inc.	Rep. by	- Wilson, Sonsini, Goodrich & Rosati - Morris James LLP
>Def.	**Zonoff, Inc.**	**Rep. by**	**Morgan Lewis & Bockius LLP**
Patents In Suit	US Patent 6624750 invented by Marman **"Wireless home fire and security alarm system"** US Patent 7262690 invented by Heaton et al. **"Method And System For Monitoring Events"** US Patent 8335842 invented by Raji et al. **"Premises Management Networking"** US Patent 8478871 invented by Gutt **"Gateway registry methods and systems"** US Patent 8612591 invented by Dawes **"Security system with networked touchscreen"** US Patent 8638211 invented by Cohn **"Configurable controller and interface for home SMA, phone and multimedia"**		

Retained by the defendant, Zonoff Inc. represented by Morgan, Lewis & Bockius. The plaintiff is this matter was iControl Networks Inc. Plaintiff was represented by the law firm of Wilson, Sonsini, Goodrich & Rosati LLP as well as the law firm of Morris James LLP. Reviewed (as directed) the identified patents, interrogatories, responses, email correspondence, infringement charts and other case related material. Specifically researched and dug up material on a pre existing two way RF (Radio Frequency) wireless system (prior art candidate). Discussed possible IPR strategy. Generated multiple claim charts in support of potential IPR(s). Determined definition of a "Zone" in the context of the '211 patent for claim construction purposes and provided supporting documentation. Case settled before trial (Zonoff ceased business operations).

18) ICN Acquisitions LLC v. Zonoff, Inc.

1:15-cv-01109	U.S. District Court	District of Delaware (Wilmington)	
Patent Infringement	Date Filed: 11/30/2015	Terminated: 11/6/2017	
Pla.	ICN Acquisitions LLC	Rep. by	- Wilson, Sonsini, Goodrich & Rosati - Morris James LLP

EXPERT NOT RETAINED

>Def.	**Zonoff, Inc.**	**Rep. by**	**Morgan Lewis & Bockius LLP**
Patent In Suit	US Patents 7633385 & 7956736 invented by Cohn **"Method and system for communicating with and controlling an alarm system from a remote server"** US Patent 9141276 invented by Dawes **"Integrated interface for mobile device"**		

Retained by the defendants Zonoff Inc. represented by Morgan, Lewis & Bockius. Plaintiff is this matter was ICN Acquisitions LLC. Plaintiff was represented by the law firm of Wilson, Sonsini, Goodrich & Rosati LLP and the firm of Morris James LLP. Expediently researched (potential) prior art as per (then urgent) request. Reviewed specific claims of '736 and '385 patents in light of identified (potential) prior art. Provided opinion with supporting documentation. Advised on subject material and helped clarify technical matters. Case settled before trial (Zonoff ceased business operations).

19) Eyetalk365, LLC v. Zmodo Technology Corporation, Ltd.

3:16-cv-789	U.S. District Court	Western District of North Carolina (Charlotte)	
Patent Infringement	Date Filed: 11/14/2016	Terminated: 10/18/2017	
Pla.	Eyetalk365, LLC	Rep. by	- Klemchuk LLP - Parry Tyndall White
>Def.	**Zmodo Technology Corp. Ltd.**	**Rep. by**	**Akerman LLP**
Patent In Suit	US Patent 9432638 invented by Carter **"Communication and monitoring system"**		

Retained by Akerman LLP, the attorneys for the defendant, Zmodo Technology Corporation. The plaintiff, Eyetalk365 LLC, represented by the law firm of Klemchuk LLP and the law firm of Parry Tyndall White, had accused Zmodo of infringing on U.S. patent 9,432,638 entitled "**Communication and monitoring system**". Reviewed material as directed to get up to speed such as the '638 patent, Zmodo's preliminary construction of claims, Zmodo's invalidity contentions, Eyetalk365's preliminary infringement contentions, and various related website pages. Researched material as required and generated a declaration regarding the construction of several key claim terms for the '638 patent. Case terminated before trial.

20) Wireless Monitoring Systems LLC v. AT&T Digital Life, Inc. et al

2:17-cv-00501	U.S. District Court	Eastern District of TEXAS (Marshall)	
Patent Infringement	Date Filed: 6/14/2017	Terminated: 12/01/2017	
Pla.	Script Security Solutions LLC	Rep. by	Kizzia & Johnson PLLC
>Def.	**AT&T Digital Life, Inc.**	**Rep. by**	**Baker Botts LLP**
Patents In Suit	US Patents 8912893 and 9280886 invented by Bullmore. **" Circuit Monitoring Device "**		

Retained by the law firm of Baker Botts LLP, the attorneys for the Defendant, AT&T Digital Life. Reviewed both patents in detail as well as other relevant case material. Searched for and provided multiple examples of (potential) prior art as per directed list from council. Reviewed potential for an Inter Partes Reviews (IPR) . Provided additional technical support as required. Case settled before trial.

EXPERT NOT RETAINED

21) Avigilon Technologies Corp. v. ITX Security Co., Ltd. et al.

AAA Case No. 01-17-0004-5750	International Arbitration Tribunal	American Arbitration Association International Centre For Dispute Resolution	
License Agreement Dispute	Date Filed: 08/16/2017		Hearing Completed: 03/15/2018
Pla.	Avigilon Technologies Corporation	Rep. by	Mayer Brown LLP
>Def.	**ITX Security Co., Ltd. et al.**	**Rep. by**	**Devlin Law Firm LLC**

Retained by the Devlin Law Firm, the attorneys for the defendant, the Korean based, ITX Security Company. The plaintiff, the US based Avigilon Technologies Corporation, represented by the law firm of Mayer Brown LLP, accused ITX of violating the terms of a license agreement that both parties mutually executed previously. This agreement called for binding arbitration via the International Arbitration Tribunal of the American Arbitration Association at their International Centre for Dispute Resolution in order to resolve any disagreements between the parties.

In Korea, ITX Security manufactures for the global market, video security devices such as a range of IP Cameras, Digital Video Recorders (DVR's), and related equipment. ITX was approached by Avigilon. Avigilon, while not a manufacturing company holds a large portfolio of patents in the area of Video Analytics (VA). Since ITX had already implemented Video Analytics (VA) on a very limited number of products and had plans to expand upon this based on market reception, they entered into a (royalty based) licence agreement with Avigilon that permitted ITX to use (Avigilon's) VA technology without the threat of future patent litigation.

The dispute arose over which ITX products royalty was payable to Avigilon on.

Reviewed the case material to date. Researched and reviewed numerous archival documents, many from the Sandia National Labs. Reviewed numerous patents involving video motion detection (VMD).

Reviewed ITX's products in detail including schematics, manuals and other documentation. Reviewed functionality of several SoC (System on a Chip) integrated circuits as well as other key components used by the ITX products.

Contrasted decades old grid based Video Motion Detection (VMD) technology against modern Video Analytics (VA) object tracking based technology. Prepared a detailed report showing the differences between the historic or legacy methods of implementing video motion detection and the more modern methods of implementing video motion detection using Video Analytics.

Prepared for, attended and testified at a three day hearing held before the International Arbitration Tribunal of the American Arbitration Association located in Dallas Texas. Tribunal's findings to remain confidential.

EXPERT NOT RETAINED

Industry Experience - Electronic Security Systems & Sensors
Electronics R&D – New Product Development

Consultant at Parker Security Consulting Inc. (PARSEC)

www.parsec.ca

June 2011 to Present

Founded Parker Security Consulting Inc. (also known as PARSEC), to provide technical consulting and expert witness services in the areas of Electronic Security Systems and Sensors as well as Electronics Research and Development (R&D), New Product Development, and other areas related to my skills and 35 plus years of industry experience. A partial list of my technical consulting and expert witness activities including Civil, Criminal & Patent litigation (as well as IPR's), appears in the previous section of this document.

President at EE-Systems Group Inc. Canada (R&D)

www.eesgi.com

August 2004 - Present

Co-founded EE Systems Group Inc. in both Canada (for R&D) and the United States (Operations). Oversight for new product and business development. Full management and executive responsibility. Developed multiple new technologies and intellectual property. Multiple United States, Canadian, Chinese and International patents developed, filed and/or granted. Defined and negotiated major corporate contracts with several organizations. Numerous new products developed and introduced to production. Developed and licensed our "ePIR" software to several multinational companies including Zilog, now part of IXYS for passive infrared motion detection (marketed under the name "ZMOTION"). The ePIR / ZMOTION solution provides for Intrusion as well as occupancy detection. eFAR100 False Alarm Reduction module developed using embedded Z8 MCU technology with firmware written in assembler (machine code). Also developed full scalable suite of technology for solar powered, motion controlled, LED illumination from patio to parking lot sizes.

Vice President of Engineering at Tyco Security Products
Head of Engineering at Digital Security Controls (DSC) Limited

(Note: DSC was acquired by Tyco Security Products in December 2001)

www.tycosecurityproducts.com www.dsc.com

March 1985 - December 2003 (~19 years)

Head of 200+ member engineering department composed of engineers, scientists, technologists and technicians. Responsible for all of DSC's research and product development efforts. Senior member of the DSC executive team setting strategic direction for the company. Cross functional responsibilities in Marketing, New Business Development and Manufacturing. Development of policies, procedures and practices. Financial planning and budget generation. Administration of corporate patent investigation, generation and infringement avoidance. Key vendor relationship building and negotiations. Major customer presentations and interaction. Principally involved in several corporate initiatives such as Six Sigma and ISO900X (quality programs), Speed to market, Ethics training, Customer training, Major cost reductions, etc.

About DSC…DSC began in 1979 as a basement operation supplying alarm control panels to the Canadian market. Joined DSC shortly after the founder, moved the operation out of his basement and into a small industrial unit. Staff consisted of the founder, three assembly workers and myself. Brought to DSC, microcontroller and other advanced technologies. Experienced extraordinarily successful career that saw DSC expand to become one of the three largest companies in its marketplace with worldwide sales in over 120 countries. Growth fueled by optimum combination of product feature set, cost and quality. DSC was acquired by TYCO in December of 2001 for approximately $400 million dollars.

Vice President of Engineering at Swinemaster Inc.

June 1984 – March 1985

In charge of a small R&D team that developed and built several working prototypes of an automated baby pig feeder. The multipart component design of the baby pig feeder utilized several (up to 10) Zilog Z8 Microcontroller Units (MCU's) with the software written in assembly language (machine code).

EXPERT NOT RETAINED

Technical Sales Representative at Har-Tech Electronics Ltd.

January 1984 – June 1984

Provided sales and technical support to customers (and potential customers) of electronic component manufacturers such as Zilog and others in the greater Toronto area (GTA).

Engineering Technologist at Thermetic Controls Limited

January 1983 – December 1983

Designed and implemented production test equipment for baseboard heater safety limit switches. Also designed and built working prototype of a digital setback thermostat for controlling electric baseboard heaters by pulse width modulation (PWM).

Selected Major Competencies and Accomplishments

While at EE-SGI, developed several new technologies such as ePIR for motion detection, eLEDing for high efficiency LED illumination and eFAR for significant false alarm reduction. Successfully completed multiple SR&ED (Scientific Research and Experimental Development) applications resulting in significant financial grants to EE-SGI.

While at DSC/Tyco, was principal architect and driving force behind most of DSC's major commercial product successes. These include the industry benchmark setting "Power" and "Maxsys" families. Also includes the PC1550, the most prolific alarm control panel in the world with an installed base in the millions.

Worked directly with one of Latin America's premier telephone operators to determine requirements, then rapidly produced functional prototypes for demonstration to their CEO and other senior management. Previously maintained an excellent relationship with the senior decision makers in this organization and as such could be an enormous asset to any company that hopes to supply them. This organization has identified a market of nearly six million customers for intrusion security. Identified a range of suitable products for their market.

Organized and drove corporate speed to market initiative. Defined required policies and procedures. Implemented STM plan. Resulted in average product development cycle reduction of 40%.

Developed the KEYBUS and COMBUS protocols for interconnecting components. These protocols have a proven track record and have been widely imitated and copied. Also developed DSC's wireless protocols for both 924 Mhz DSSS (Direct Sequence Spread Spectrum) and 433.92 Mhz tight narrow band.

Saved DSC from 15% shortfall in annual production. Due to an clerical error, a critical custom component (an ASIC – Application Specific Integrated Circuit) was shorted by ~200,000 units. Lead time was long, all attempts to persuade supplier failed. Used relationship with suppliers senior management to have required units arrive just in time.

Prior to completion of DSC sale to TYCO, re-negotiated agreements with key suppliers. Resulted in annualized savings of over ten million dollars.

Conceived, and drove the development of over twelve mixed mode ASIC's (Application Specific Integrated Circuits). Perfect track record. No failures. All were commercial successes. Mixed mode ASIC's combine analog and digital circuitry on a single chip. They offer superior capabilities and performance to "off the shelf" solutions while dramatically reducing cost and improving product reliability.

EXPERT NOT RETAINED

Publications and other Documentation

The Greek Philosopher Plato and …. False Alarms (click here for PDF)

National Burglar and Fire Alarm Association (NBFAA) June 6, 2005

Many proprietary specifications. Numerous contributions to product manuals and guides.

Education

RCC Institute of Technology
A Division of Yorkville University
Toronto, Ontario, Canada
1980 – 1982

Electronic Engineering Technology

Northern Secondary School
(High School)
Toronto, Ontario, Canada
1975 – 1979

Focus on Electronics (in Shop class)

EXPERT NOT RETAINED

Summary of Patents – James Parker as a Named Inventor

1) Wireless Alarm System

Priority Date	US5625338A, CA2111929A1, CA2111929C, WO9516980A1, AU1104095A, EP0734560B1, EP0734560A1, DE69413848T2.
December 16, 1993	

A security system having a two way wireless keypad which operates in a particular manner for improved operation. The keypad processes information to effectively reduce communications between the control panel and the keypad. The keypad selectively activates and deactivates a transmitter and receiver arrangement for power conservation reasons. The system provides confirmation of communications between the keypad and the control panel to increase the reliability of the system.

2) Method And Arrangement For Recognition Of A Coded Transmitted Signal

Priority Date	US5517518A, CA2128587A1, AU2508195A, AU692260B2
July 21, 1994	

The present invention is for fast, reliable recognition of coded signals where the signal includes a predetermined code sequence in a lead portion thereof. This has particular application in spread spectrum transmission and receptions. The code sequence is a long sequence of bits known to the receiver which breaks the long sequence into a series of bit segments which are more easily analysed. Each series of bits is analysed for a direct match and a decision whether a code segment has been received is based on the number of direct matches. For example, if there are 8 bit segments, each 16 bits in length, high reliability has been achieved if two direct matches are received within a time period corresponding t the transmission time of the code sequence. This system can also be used for assessing signal strength where many matches indicate good signal strength, approximately 50% indicates moderate signal strength, and less indicating poor signal strength.

3) Security System With Two Signal Reporting

Priority Date	US5956388A, CA2203323A1, CA2203323C, WO9848564A1, AU7022598A
April 22, 1997	

A security system having two distinct channels of communication and which uses a single communication device provides improved security. The system monitors a host of security alarm panels connected to a telephone system. A status signal is communicated between each control panel and a scanner placed at a switching station of the telephone system to confirm the integrity of the communication channel. An alarm event continues to be reported to a monitoring station using the telephone system in the normal manner.

4) Home Automation And Security System Controller

Priority Date	CA2203591A1, WO9849663A1, EP0978111A1, EP0978111B1, AT209385T, PT978111E, DE69803282T2, DK0978111T3, ES2168748T3
April 24, 1997	

The present invention, in one aspect, is directed to a security system which is capable of acting as an information display for display of user selected information not directly related to the security system. Such information may include weather information, news reports, sports information and financial information, the display of such information is preferably under user control and is selectable to be customized for each individual user. The security system includes an interface means for communicating with a data access provider for retrieval of the user selected information for display on the keypad controller. In another aspect, the present invention is directed to a controller for controlling the function of components of a security system. The controller has a graphical interface comprising a display screen capable of displaying a graphical representation of the security system and the components on the screen and graphical representation of the user selected information. The graphical display may include a touch screen such that the function of the components of the security system are controlled by touching a portion of the screen having the component or security system to be controlled displayed thereon.

EXPERT NOT RETAINED

5) Controllable Still Frame Video Transmission System

Priority Date	US6642954B1, CA2301858C, CA2301858A1, WO9911069A1, AU4006797A, EP1010328A1, EP1010328B1, AU749600B2, DE69713405T2
August 25, 1997	

A video capture controller for selective capture of video images from a plurality of video cameras, the capture controller having multiple video signal inputs for receiving signals from video source devices, an arrangement for receiving input signals from a security system, a processor for processing the received input signals of such arrangement and comparing the received signals with a predetermined set of possible received signals and, based thereon, determining a particular video capture protocol from a set of video capture protocols associated with the set of possible received signals, and a controller associated with the multiple video signal inputs and the processor, the controller having a video output, the controller selectively connecting the multiple video inputs with the video output based on the particular protocol determined by the processor.

6) Programmable Temperature Sensor For Security System

Priority Date	US6215405B1, CA2235654C, CA2235654A1, WO9956261A1, AU3402099A, EP1074009B1, EP1074009A1, AT214505T, DK1074009T3, DE69901027T2, ES2174598T3
April 23, 1998	

The present invention in one aspect, provides for a programmable temperature sensor for a device as part of a security or alarm system. The programmable temperature sensor is capable of having multiple set points programmed, each set point individually programmable as to effect. In a preferred embodiment of the invention, there is provided a keypad controller having a programmable temperature sensor for use in an alarm system. The keypad controller includes an input for allowing a user to interface with the keypad controller and an alarm system to which the keypad controller is connected, an output display for providing one or more of visual and auditory feedback to a user on the status of the system, an interface for communicating with an alarm control panel of an alarm system, a processor for processing inputs from the input or an alarm control panel and causing the appropriate information to be provided to the output display, and a programmable temperature sensor for monitoring the temperature in the space in which the keypad controller is to be located, the temperature sensor being provided with at least one alarm set point programmable as to level.

7) Suspended Code For Alarm System

Priority Date	US6078254A, CA2247600C, CA2247600A1
September 17, 1998	

The system generates alarm suspension codes without direct interaction with the alarm panel. The alarm control panel generates its own suspension codes for checking for proper validation when a suspension code is entered. The alarm panel generates suspension codes sequentially and will recognize any of several suspension codes that are current. The entry of a later suspension code cancels all earlier suspension codes.

8) Biometric Input Device For Security System

Priority Date	CA2256809A1, CA2256809C, WO0038118A1, AU1764500A
December 21, 1998	

The present invention provides for a biometric input device for a security system. The biometric input device includes a biometric sensor for sensing and input of biometric data, an image capture module for capturing and storage of the inputted biometric data from the biometric sensor, and an input/output module for passing the captured biometric data to a control panel and receiving data from the control panel. The invention also provides for a security system for controlling access to a premises. The security system includes a control panel for overall control of the security system, and one or more input devices for allowing users to interact with the security system., One or more of such input devices is a biometric input device capable of sensing biometric data from a user and capable of passing said sensed biometric data to the control panel for comparison against a database of biometric data of authorized users.

EXPERT NOT RETAINED

9) Dual Mode Panel	
Priority Date	US6380850B1, CA2258817A1, CA2258817C, WO0041152A1, AU1765100A, EP1149370B1, EP1149370A1
January 5, 1999	
A dual mode alarm control panel includes a sensing arrangement for determining conditions of the environment in which the panel is installed. The results of the environmental assessment are used to determine an operating mode of the panel. In a first mode the panel is fully functional, and in a second mode the functions of the panel are restricted. This process assists in operating alarm control panels in an environment corresponding to the assumed design environment. In this way, non-compliance or operating alarm panels in unsuitable environments is reduced or avoided.	

10) Alarm System Using Local Data Channel	
Priority Date	US6252504B1, US6895082B2, US2002029147A1, CA2260680A1, CA2260680C
February 2, 1999	
An alarm system has an alarm unit in combination with a line seize module. The alarm unit includes a transmitter/receiver, a control panel function, a key pad, an input/output port connected to a telephone line and an auto dialer for normally communicating with a remote monitoring station over the public switched telephone network. The line seize module includes an input communication port connected to the telephone line, a signal transmitter and receiver for communication over telephone wiring with the alarm unit, control logic, a line seize arrangement and an automatic dialer. Control logic processing signals are received by the input port. The line seize module, upon receiving an alarm signal from the alarm unit, reports the signal to a remote monitoring station using the automatic dialer and the public switched telephone network.	

11) Alarm System With Programmable Device Control	
Priority Date	CA2300465A1
March 10, 2000	
An alarm system providing programmable remote control of electrically controlled devices, such as lights, is provided. Geographic site and date information is provided to the alarm system. The parameters used to dictate the activation and deactivation of the controlled devices include the geographic site location and the sunrise and sunset times for the current date at that site. Accordingly, the activation and deactivation times of the controlled devices be programmed to automatically track the shifting sunset and sunrise times at the site.	

12) Security Alarm Keypad With Message Alert	
Priority Date	CA2300468C, CA2300468A1
March 10, 2000	
A security alarm system is adapted to retrieve e- mail status information and provide an alert signal for the user of the system that e-mail has been received and is awaiting retrieval. Preferrably, the keypad of the security system includes a visual indicator which is activated when e-mail is received. The security alarm system uses the control panel and the auto dialer associated therewith, to contact the e-mail server and receive status information of one or more e-mail accounts. The control panel can contact the e-mail provider on a predetermined basis, or on a user scheduled basis. The accounting system's capability to initiate telephone communications and process signals from a remote computer is advantageously used for e-mail retrieval.	

EXPERT NOT RETAINED

13) Remote Recovery Arrangement For Alarm System

Priority Date	CA2300648A1
March 10, 2000	

A security alarm system cooperates with a remote monitoring station to improve the reliability of the alarm system. The alarm system includes a control panel which during communications with the remote monitoring station, receives information used for the operation of the system and preferrably provides information for storage by the remote monitoring station which information is recovered by the control panel if necessary.

14) Security Alarm Keypad With Message Alert

Priority Date	US6362747B1
May 15, 2000	

A security alarm system is adapted to retrieve e-mail status information and provide an alert signal for the user of the system that e-mail has been received and is awaiting retrieval. Preferably, the keypad of the security system includes a visual indicator which is activated when e-mail is received. The security alarm system uses the control panel and the auto dialer associated therewith, to contact the e-mail server and receive status information of one or more e-mail accounts The control panel can contact the e-mail provider on a predetermined basis, or on a user scheduled basis. The accounting system's capability to initiate telephone communications and process signals from a remote computer is advantageously used for e-mail retrieval.

15) Remote Recovery Arrangement For Alarm System

Priority Date	US6366211B1
May 15, 2000	

A security alarm system cooperates with a remote monitoring station to improve the reliability of the alarm system. The alarm system includes a control panel which during communications with the remote monitoring station, receives information used for the operation of the system and preferably provides information for storage by the remote monitoring station which information is recovered by the control panel if necessary.

16) Alarm System With Programmable Device Control

Priority Date	US6310547B1
May 26, 2000	

An alarm system providing programmable remote control of electrically controlled devices, such as lights, is provided. Geographic site and date information is provided to the alarm system. The parameters used to dictate the activation and deactivation of the controlled devices include the geographic site location and the sunrise and sunset times for the current date at that site. Accordingly, the activation and deactivation times of the controlled devices be programmed to automatically track the shifting sunset and sunrise times at the site.

EXPERT NOT RETAINED

17) Integrated Lightning Detector	
Priority Date	US6960995B2, US2004257216A1, CA2418673C, CA2418673A1
February 7, 2003	
An alarm panel of a security system is additionally provided with an interference circuit for evaluating the possible presence of a large electromagnetic interference signal such as lightning. The earth ground connection of the alarm panel to a power source is used to provide an input to the interference circuit. The earth ground connection receives large transient signals caused by such naturally occurring events. The alarm panel uses this additional information to modify the reporting of alarm conditions. This has particular application for addressing problems associated with motion detectors falsely triggering when a large electromagnetic signal is received. The solution of the alarm panel sensing this condition in contrast to each detector sensing this condition is more reliable, allows combining of detector information and is more cost effective.	

18) False Alarm Reduction Method And System	
Priority Date	US2006192666A1, US7323978B2
February 16, 2005	
A digital verification control, which is incorporated with an alarm system, includes a first timer device for presetting a single zone verification time in the control panel and second timer device for presetting a multiple zone verification time in the control panel. The single zone verification time is a single detector time delay and arranged when one of the sensors detects at least two triggered signals in the respective detecting area within the single zone verification time, the local warning system is activated for producing a local warning signal., The multiple zone verification time, which is longer than the single zone verification time, is a multiple detector time delay and arranged when the two sensors detect two triggered signals in the detecting areas respectively within the multiple zone verification time, the local warning system is activated for producing the local warning signal.	

19) Security Device With Built-In Intercommunicated False Alarm Reduction Control	
Priority Date	US2006250231A1, US7248155B2
May 6, 2005	
A security device includes a plurality of security detectors intercommunicating with each other. Each of the security detectors includes a first device for verifying a single zone verification time of the respective security detector and a second device for verifying a multiple zone verification time with another security detector corresponding to a distance between two security detectors at two different detecting areas. When one of the security detectors detects at least two triggered signals in the respective detecting area within the single zone verification time, the respective security detector activates the local warning system to produce a local warning signal., When two security detectors are intercommunicated with each other to detect two triggered signals in the detecting areas respectively within the multiple zone verification time, at least one of the security detectors activates the local warning system to produce the local warning signal.	

EXPERT NOT RETAINED

20) Integrated Detecting Processor	
Priority Date	US2007114413A1
November 18, 2005	
An infrared sensor includes an infrared generator for generating infrared radiation within a detecting area, a pyroelectric sensor, a microprocessor, and an integrated detecting processor. The pyroelectric sensor is electrically communicated with the infrared generator, wherein the infrared radiation as an input signal is converted into a DC signal as an output signal having a real signal with low frequency and a noise signal mixed therewith. The microprocessor includes an A/D converter electrically connected with the pyroelectric sensor, wherein the microprocessor is arranged to receive the DC signal for data processing. The integrated detecting processor, which is electrically connected with the microprocessor, is adapted for stripping out the DC signal from the pyroelectric sensor to control a DC level of the DC signal, such that the real signal is allowed to be accurately processed in the microprocessor without data overflowing.	

21) Energy Signal Detection Device Containing Integrated Detecting Processor	
Priority Date	US2007114414A1
November 18, 2005	
An energy signal detection device includes a pyroelectric sensor sensing an infrared radiation within a detecting area, a microprocessor, and an integrated detecting processor. The infrared radiation as an input signal is converted into a DC signal as an output signal having a real signal with low frequency and a noise signal mixed therewith. The microprocessor includes an ADC converter electrically connected with the pyroelectric sensor, wherein the microprocessor is arranged to receive the DC signal for data processing. The integrated detecting processor is adapted for stripping out the DC signal from the pyroelectric sensor to control a DC level of the DC signal, such that the real signal is allowed to be processed in the microprocessor without data overflowing.	

22) Process And System Of Energy Signal Detection	
Priority Date	US7546223B2, US2007288108A1, EP2035992A2, EP2035992A4, WO2008048365A3, WO2008048365A2, CN101573709A
June 7, 2006	
A process and system of energy signal detection, which improves sensitivity, performance and reliability thereof and reduces false alarms by distinguishing between noise and real signals, includes the steps of receiving a plurality of data samples and generating a predetermined number of constructed sample windows of constructed samples in time, determining a control range for each of said constructed sample windows, determining whether there is an alarm pre-condition by comparing relationship between successive constructed sample windows, and generating an output signal when the alarm pre-condition is qualified.	

23) Process And System Of Power Saving Lighting	
Priority Date	US8194061B2, US2009039797A1
August 9, 2007	
A process and system of lighting with green energy source and intelligent power management, which saves energy consuming and limits pollution. The system is using solar power, green battery, and LED which are clean, long life, save, and energy saving. A microcontroller coordinates devices and sensors to optimize the operation of the system to generate illumination. The process includes the steps of sensing the environment, selecting power source, determining the energy output and driving the light device in order to most efficiently using energy and generate sufficient light for different purposes.	

EXPERT NOT RETAINED

24) Process And System Of Energy Signal Detection	
Priority Date	US20080218361, WO2009126300A2, WO2009126300A3, EP2271967A4, EP2271967A2
April 11, 2008	
A process and system of energy signal detection, which improves sensitivity, performance and reliability thereof and reduces false alarms by distinguishing between noise and real signals, includes the steps of receiving a plurality of data samples and generating a predetermined number of constructed sample windows of constructed samples in time, determining a control range for each of said constructed sample windows, determining whether there is an alarm pre-condition by comparing relationship between successive constructed sample windows, and generating an output signal when the alarm pre-condition is qualified, and detecting white light for preventing false alarm created by the white light.	

25) Single MCU-Based Motion Detection, Local Alarm And Supervisory Arrangement For Alarm System	
Priority Date	US8410923B2, US2010219949A1
November 25, 2008	
A device with single MCU-based motion detection, local alarm and supervisory arrangement for alarm system controlled by an alarm control panel (ACP) is disclosed. The device includes a sensor component to monitor environment, an output component to generate warning messages, a power supply component to provide power, and a microcontroller to communicate with sensor component, drive output component and monitor the status of ACP. The device can detect when intruders break in and make alarm warnings even when the ACP is destroyed. Plurality of devices and said ACP form a local warning matrix network (LWMN) to increase the detection area and scary effect to intruders. Each device of LWMN works independently when the ACP is destroyed.	

End of File

EXPERT NOT RETAINED