

JASON FRANKOVITZ

Computer Scientist Senior Testifying Expert

Quandary Peak Research
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PROFESSIONAL ACCOMPLISHMENTS

- Expert in software with **25+ years of experience** as an engineer and programmer.
- Software inventor of **US patent 9,858,341**, "Method and apparatus for remotely monitoring a social website".
- **Testified 25 times** as an expert in software and Internet technologies in the US and Canada.
- Reviewed code, authored affidavits, declarations and expert reports for **over 80 cases**.
- Consulting on multiple **Facebook class action** cases.
- Built **the Web's first social bookmarking site** in 1996, cited as prior art for multiple patent matters.
- Selected as **Entrepreneur-in-Residence** at Main Street Partners on MIT campus.
- Currently serves as a **software intellectual property** consultant focusing on **software patents & trade secrets, Web and social media** technologies, software development **best-practices**, and digital **copyright/code theft**.

EMPLOYMENT

- **Software IP Consultant** **Apr 2014 – present**
Quandary Peak Research, Los Angeles, CA
 - Providing software analysis services for patent infringement and trade secret disputes.
 - Performing forensic investigations of computer systems, including examination of digital data.
 - Installing, configuring and using source code analysis tools for litigation support.
 - Creating claim charts for patent infringement and invalidity analysis.
- **Intellectual Property and Technology Advisor** **Jun 2013 – Apr 2014**
TechKnow Consulting, Los Angeles, CA
 - Provided consulting for a range of software-related matters including patent licensing, infringement, brokerage, and general software IP advising.
 - Researched products and companies for similarities to patents being sold to maximize buyer interest.
 - Interviewed inventors to help brokers understand a patent's potential sale value.
- **Software IP Consultant** **Mar 2011 – May 2013**
Intellectual Ventures, Bellevue, WA
 - Provided technical analysis for patent licensing negotiations related to cloud computing, social networking, ecommerce, mobile, video games, operating systems, electronic gambling, travel, and imaging.
 - Examined and investigated a variety of software technologies for potential patent infringement.

- Reverse-engineered numerous software systems to document system operations and services.
- Evaluated patent claims for likelihood of infringement and licensing potential.
- Scored patent portfolios for prioritizing licensing efforts.

- **Founder & CTO**

Feb 2006 – Feb 2011

Seethroo.us, Los Angeles, CA

- Launched online advertising and marketing startup specializing in social media.
- Created scalable cloud-based Ruby on Rails application for ad networks and publishers to manage advertising campaigns.
- Designed proprietary jQuery-based publisher integration system.
- Managed software engineering and used agile practices to drive test-driven development.
- Developed internal tool "brainiac" for creating and managing machine learning models for a natural language processing (NLP) system that analyzed user-generated content for targeted ads.

- **Software Engineer**

Aug 2008 – Dec 2009

AT&T Interactive, Glendale, CA

- As a member of the R&D department, worked on various experimental/exploratory projects for AT&T Interactive's Social Services team.
- Used Ruby and jQuery to co-develop an internal QA tool measuring relevancy of search results for yp.com.
- Wrote a large-scale web ad scraping system using Ruby and nokogiri, an XML parsing library.
- Contributed to the development and use of a REST-oriented framework written in Ruby.
- Wrote backend code powering an iOS/mobile application for reserving products from brick-&-mortar retailers.

- **Software Engineer**

May 2007 – Jun 2008

DialedIn.com, Los Angeles, CA

- Developed Ruby on Rails applications for mobile event management product.
- Implemented group messaging features for email, Web, and SMS.
- Built multiple-stage development environment enabling uninterrupted service for end users.
- Wrote unit and functional tests and installed continuous integration services to find bugs faster.

- **Segment Producer**

Apr 2002 – Feb 2006

TechTV, G4, and g-NET, San Francisco, CA and Los Angeles, CA

- Produced technology television segments for cable and online distribution covering consumer electronics product reviews, interviews with notable software leaders, and industry commentary and analysis.
- Pitched concepts, wrote scripts, booked talent, and shot and edited packages between 2 minutes and 9 minutes total running time.
- Coordinated with software companies to acquire demo products to meet production schedule.
- Maintained, administered, and upgraded lab hardware and content library.

- **Founder & CTO**

Apr 1996 – Apr 2002

itList.com, Cambridge, MA

- Created the first online bookmark site in the world.
- Developed a complete suite of online tools to enable bookmark submission, sharing, storage, organization, searching, and user account management.

- Programmed a custom perl API to Mysql databases on Linux.
- Installed, configured, and customized Apache httpd with mod_perl.
- Developed an infrastructure to rapidly deploy (<1 hour) partner sites for itList service.
- Handled technical support needs for 30,000 users.

• **Systems Administrator** **Feb 1997 – Apr 1999**

Liszt.com, Sebastopol, CA

- Provided Linux systems administration to major online search engine.
- Debugged Apache, perl, and mod_perl issues and monitored traffic and local CPU load.
- Implemented performance and security enhancements involving httpd, sendmail, pop3, telnet, ssh, and ftp.
- Performed automated backups nightly and scheduled downtimes for upgrades.

• **Certified ClearCase/Software Configuration Management Specialist** **Sep 1996 – Dec 1998**

Pencom Systems, Boston, MA

- Provided software configuration management (SCM) expertise in heterogeneous development environments (SunOS/Solaris, SCO, HP-UX, Windows NT.)
- Performed administration and configuration of ClearCase, CVS, RCS, and Visual SourceSafe systems.
- Gathered requirements, designed, deployed, and administered distributed development environments
- Implemented automated build systems for C, Java, and perl.
- Instituted code branching and version labeling policies.
- Audited software engineering to identify technical and procedural problems in development efforts.
- Wrote and taught ClearCase courses to development teams in the USA and United Kingdom.
- Coded programs for system monitoring and automatic backups.
- Designed and installed new server room layout, specified and purchased hardware and component storage.

• **Network Administrator** **May 1995 – Aug 1996**

Interart/Sunrise Publications, Bloomington, IN

- Managed Mac network for design department of the third largest greeting card company in North America.
- Implemented revrdist file synchronization software for automatic administration of Macs.
- Programmed custom image processing system using AppleScript, Solaris and Helios Universal File Server.

• **Support Engineer** **Nov 1992 – May 1995**

University Computing Services, Bloomington, IN

- Provided technical support via email and telephone for students, faculty, and staff.
- Wrote technical articles for the UCS Knowledge Base, one of the first Web-based helpdesk systems.
- Performed data recoveries and backups for corrupted thesis files.
- Conducted technical trainings for various campus systems.
- Diagnosed, repaired and upgraded on-site hardware.

EDUCATION

- **B.A. in Telecommunications** with Minor in Biology, *Indiana University* **Dec 1993**
Coursework included:

W350 Advanced Expository Writing
S404 Honors Semester in Telecom

X395 Minds, Brains, and Computers
R322 Telephony History & Technology

M&A TECHNICAL DILIGENCE

- **(Confidential Public Company, Fortune 500)** **Sep-Oct 2018**
- Source code review of startup for possible acquisition
- **(Confidential)/US Department of Health & Human Services** **Nov 2016 – Nov 2017**
- Safety-related audit of source code for EMR system
- **Greenheart International** **Jan 2017 – Feb 2017**
- Code quality audit of outsourced software project
- **(Confidential Public Company, Mkt Cap \$200M)** **Jan 2015**
- Source code review of startup for possible acquisition

LITIGATION CONSULTING

- **Kilterly v. SolutionStream, LLC** **Nov 2020 – present**
Counsel: Hopkins & Huebner, PC
Nature of Suit: Breach-of-contract
Jurisdiction: State
Services Provided: Consulting, Expert Report
- **FinancialApps, LLC v. Envestnet, Inc. and Yodlee, Inc.** **Aug 2020 – present**
Counsel: Kasowitz Benson Torres
Nature of Suit: Intellectual Property – Trade secret
Jurisdiction: State
Services Provided: Consulting, Code Review
- **Express Lien, Inc. v. Handle, Inc** **Sep 2020 – present**
Counsel: Bowie Jensen LLP
Nature of Suit: Intellectual Property – Copyright
Jurisdiction: State
Services Provided: Consulting, Expert Report
- **Nokia v. Motorola** **Aug 2020 – present**
Counsel: Sheppard Mullin
Nature of Suit: Intellectual Property – Patent
Jurisdiction: Federal
Services Provided: Consulting
- **Los Angeles County Sherriff's Department v Orrego** **Aug 2020 – present**
Counsel: Stone Busailah, LLP
Nature of Suit: Internal Affairs
Jurisdiction: County

- Services Provided: Consulting
- **Impact Engine, Inc. v. Google LLC** **Jan 2020 – present**
 Counsel: Kirkland & Ellis
 Nature of Suit: Intellectual Property – Patent
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Hertz Corporation v Accenture LLP** **Jul 2019 – present**
 Counsel: Wiggin Dana LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review
 - **Vargas et al. v Facebook, Inc.** **Dec 2019 – present**
 Counsel: Mantese Honigman, PC
 Nature of Suit: Class action
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Tenstreet, LLC v. Driverreach, LLC** **Jul 2019 – present**
 Counsel: Faegre Baker Daniels LL
 Nature of Suit: Intellectual Property – Trade Secret
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review
 - **Olin et al. v Facebook, Inc.** **May 2019 – present**
 Counsel: Bursor & Fisher PA
 Nature of Suit: Class action
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review, Declaration
 - **BrandRep Holdings v Employer Advertising LLC & Business Solutions LLC** **May 2019 – present**
 Counsel: Benesch, Friedlander, Coplan & Aronoff LLP
 Nature of Suit: Intellectual Property – Trade Secret
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review
 - **Calendar Research LLC v Stubhub, Inc. and eBay Inc.** **Jan 2019 – present**
 Counsel: Quinn Emanuel Urquhart & Sullivan LLP
 Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Consulting, Expert Report
 - **Oliver Bassil v. Jacques Webster** **Aug 2020 – May 2021**
 Counsel: McPherson LLP
 Nature of Suit: Intellectual Property – Copyright

- Jurisdiction: State
 Services Provided: Consulting, Expert Report
- **Robillard v Opal Labs, Inc.** **Jan 2020 – Mar 2021**
 Counsel: Angeli Law Group
 Nature of Suit: Intellectual Property – Trade Secret
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Porchlight LLC v Ventive LLC** **Dec 2020 – Feb 2021**
 Counsel: Mooney Wieland
 Nature of Suit: Breach-of-contract
 Jurisdiction: State
 Services Provided: Consulting, Expert Report
 - **Social Equity Owners & Workers Association, Inc v City of LA** **Jun 2020 – Aug 2020**
 Counsel: Ivie, McNeill Wyatt Purcell & Diggs
 Nature of Suit: Regulatory failure
 Jurisdiction: State
 Services Provided: Consulting, Declaration
 - **Coulter Ventures, LLC, d/b/a Rogue Fitness v Titan Fitness** **Apr 2019 – Feb 2020**
 Counsel: Banner & Witcoff, Ltd.
 Nature of Suit: Intellectual Property – Trademark
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Shaghal, Ltd. v Children’s Network LLC d/b/a Sprout** **May 2019 – Dec 2019**
 Counsel: Fox Rothschild LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting, Testimony (arbitration)
 - **irth Solutions LLC v Apex Data Solutions d/b/a DigTix** **Dec 2018 – Jan 2019**
 Counsel: Boylan Code
 Nature of Suit: Intellectual Property – Trade Secret
 Jurisdiction: Federal
 Services Provided: Consulting
 - **O’Hara v Facebook, Inc, Cambridge Analytica, LLC, Kogan, Bannon** **May 2018 – present**
 Counsel: Coast Law Group LLP
 Nature of Suit: Class action
 Jurisdiction: Federal
 Services Provided: Consulting, Declaration
 - **Sound View Innovations, LLC v Hulu, LLC** **Nov 2017 – present**
 Counsel: Desmarais LLP

Nature of Suit: Intellectual Property - Patent
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review

- **Beard v Gerdau S.A.**

Counsel: Reaud Morgan and Quinn LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: Federal
 Services Provided: Consulting

May 2017 – present
- **Softech USA d/b/a Gemfind v Chasin**

Counsel: Robinson & Robinson
 Nature of Suit: Intellectual Property – Trade Secret
 Jurisdiction: Federal
 Services Provided: Code Review & Consulting

Feb 2017 – present
- **Ensource Investments LLC v Tatham et al**

Counsel: Panakos Law
 Nature of Suit: Fraud
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review, Report, Testimony (jury trial)

Nov 2018 – Feb 2020
- **Patel v Facebook, Inc. (State of Illinois/biometric privacy)**

Counsel: Robbins Geller Rudman & Dowd, Labaton Sucharow, Edelson
 Nature of Suit: Class action
 Jurisdiction: State
 Services Provided: Consulting, Code Review

Nov 2016 – Jan 2020
- **Los Angeles County Sherriff’s Department v Rodriguez**

Counsel: Stone Busailah, LLP
 Nature of Suit: Internal Affairs
 Jurisdiction: County
 Services Provided: Consulting, Testimony (Skelly hearing)

Jun 2019
- **OnSors LLC v Sabrina Schueppl dba NuMe, ABV Group, Inc.**

Counsel: Ulich Balmuth Fisher LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting, Code Review, and Testimony (deposition & bench trial)

May 2019 – Sep 2019
- **Cohen v Ramirez**

Counsel: Colman Law Group
 Nature of Suit: Personal Injury
 Jurisdiction: State
 Services Provided: Consulting

Dec 2018 – Oct 2019

- **Really Big Coloring Books, Inc. v Delta Dental Insurance Company** **Jan 2019 – May 2019**
 Counsel: Troutman Sanders LLP
 Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Consulting, Expert Report
- **M. A. Mobile Ltd. v Indian Institute of Technology Kharagpur et al** **Feb 2019 – Jun 2019**
 Counsel: Sanjiv N. Singh
 Nature of Suit: Intellectual Property – Trade Secret
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review, Expert Report, Declaration, Testimony (deposition)
- **Christopher Hayden d/b/a Cgraydesign v Eagles Nest Outfitters, Inc.** **Mar 2019 – Apr 2019**
 Counsel: Ward and Smith P. A.
 Nature of Suit: Intellectual Property – Trade Secret
 Jurisdiction: Federal
 Services Provided: Consulting
- **Flying Nurses International LLC v FlyingNurse.com** **Sep 2018 – Dec 2018**
 Counsel: Dale Jensen, PLC
 Nature of Suit: Fraud
 Jurisdiction: Federal
 Services Provided: Consulting, Declaration
- **Liberi v Taitz** **Dec 2017 – Oct 2018**
 Counsel: Schumann Rosenberg
 Nature of Suit: Fraud/Defamation/Embezzlement
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review, Declaration
- **Krubim 26 Intl Inc / Woofers Etc v Golden Communications, Inc.** **Jan 2017 – Oct 2018**
 Counsel: Law Offices of P. Paul Aghaballa
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting & Testimony (deposition)
- **Cornerstone OnDemand, Inc. v Modular Mining Systems, Inc.** **Jan 2018 – Mar 2018**
 Counsel: Gordon Rees Scully Mansukhani, LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: Federal
 Services Provided: Consulting
- **Aquilina v Wriggelsworth et al.** **Apr 2017 – Nov 2017**
 Counsel: Bostic & Associates
 Nature of Suit: Civil Rights
 Jurisdiction: Federal
 Services Provided: Consulting

- **Lexxiom Inc. v Converze Interactive Inc., Lido Labs Llc, et al** **May 2017 – Mar 2018**
 Counsel: Foundation Law Group
 Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Consulting & Code Review
- **Turkey v Ali Çihan** **May 2017 – Nov 2017**
 Counsel: Akkoç Law Group
 Nature of Suit: Criminal
 Jurisdiction: Republic of Turkey
 Services Provided: Code Review, Consulting & Expert Report
- **Securus Technologies, Inc. v Public Communication Services Inc.** **Oct 2016 – Feb 2018**
 Counsel: Grubel Elrod Johansen Hail Shank
 Nature of Suit: Breach of Contract
 Jurisdiction: Federal
 Services Provided: Consulting
- **Rogue Wave Software Inc. v BTI Systems Inc. & Juniper Networks Inc.** **Feb 2017 – Jan 2018**
 Counsel: Snell & Wilmer LLP
 Nature of Suit: Intellectual Property - Copyright
 Jurisdiction: Federal
 Services Provided: Code Review, Expert Report, Consulting & Testimony (deposition)
- **Liang v AWG Remarketing, Inc., Group 3 Auctions, LLC** **Jun 2017 – Sep 2017**
 Counsel: WHGC, P.L.C.
 Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Consulting
- **Peri Domante v Dish Network, L.L.C.** **Sep 2017 – Nov 2017**
 Counsel: Law Office of Michael A. Ziegler, P.L.
 Nature of Suit: Breach of Contract
 Jurisdiction: Federal
 Services Provided: Consulting
- **Integrated Dynamic Solutions, Inc. N. Gashtili v VitaVet Labs, Inc.** **Jul 2017 – Oct 2017**
 Counsel: Westlake Legal Services
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting & Testimony (deposition & arbitration)
- **Zaghi dba Angel Dental Care v Salama** **May 2016 – Sep 2017**
 Counsel: Jalilvand Law APC
 Nature of Suit: Online Defamation
 Jurisdiction: State

- Services Provided: Consulting & Testimony (deposition)
- **Fox Television Stations, Inc. v FilmOn X, LLC** **Nov 2016 – Mar 2017**
 Counsel: Baker Marquart LLP
 Nature of Suit: Intellectual Property - Copyright
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Level One Technologies, Inc. v Penske Truck Leasing Co.** **Apr 2016 – Aug 2017**
 Counsel: Riezman Berger, P.C.
 Nature of Suit: Intellectual Property – Trade Secrets
 Jurisdiction: Federal
 Services Provided: Consulting
 - **(Confidential) v (Confidential)** **Feb 2017 – Jun 2017**
 Counsel: (Confidential)
 Nature of Suit: Intellectual Property - Copyright
 Jurisdiction: Federal
 Services Provided: Consulting, Code Review, Expert Report & Testimony (deposition)
 - **Applied Business Software Inc. v Citadel Servicing Corporation** **Sep 2017 – Mar 2019**
 Counsel: Law Office of David Richman
 Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Expo Ed Inc. v Anaca Technologies Ltd.** **Oct 2016 – Sep 2017**
 Counsel: Norton Rose Fulbright Canada LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: Ontario Superior Court Of Justice, Canada
 Services Provided: Consulting, Expert Report & Testimony (bench trial)
 - **Chrome Systems, Inc. v Autodata Solutions, Inc.** **Jun 2016 – Dec 2016**
 Counsel: Wachtell, Lipton, Rosen & Katz
 Nature of Suit: Breach of Contract
 Jurisdiction: Federal
 Services Provided: Code Review & Consulting
 - **Deal Segments, Inc. v Dream Warrior Group, Inc.** **Jan 2016 – Jul 2016**
 Counsel: Law Office of Parag L. Amin
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting
 - **Alertus Technologies, LLC v Blake Robertson** **Jan 2016 – Oct 2016**
 Counsel: Joseph, Greenwald & Laake, P.A.
 Nature of Suit: Intellectual Property – Trade Secrets

- Jurisdiction: State
 Services Provided: Code Review & Consulting
- **Alertus Technologies, LLC v Callinize, Inc.** **Jan 2016 – Oct 2016**
 Counsel: Bowie & Jensen, LLC
 Nature of Suit: Intellectual Property – Trade Secrets
 Jurisdiction: Federal
 Services Provided: Code Review, Consulting & Expert Report
 - **ABS, Inc. v FCI, Inc.** **Nov 2015 – Feb 2016**
 Counsel: Law Office of David Richman
 Nature of Suit: Intellectual Property – Trade Secrets
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Trichel v Union Pacific Railroad** **Nov 2015 – May 2016**
 Counsel: VB Attorneys
 Nature of Suit: Digital Forensic Investigation
 Jurisdiction: State
 Services Provided: Consulting
 - **BeUbiq, Inc. v Curtis Consulting Group, Inc.** **Dec 2015 – May 2016**
 Counsel: Farbstein & Blackman
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting & Testimony (two depositions & jury trial)
 - **Vincent Wellrich v Dream Warrior Group, Inc.** **Dec 2015 – Feb 2016**
 Counsel: Wolke & Levine LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting
 - **Nicole, Inc. v BLK International and Sanjay Khullar** **Sep 2015 – Mar 2016**
 Counsel: Greenberg & Bass LLP
 Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Consulting & Declaration
 - **Chipp'd Ltd. v Crush & Lovely LLC** **Jul 2015 – Sep 2015**
 Counsel: White and Williams LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting
 - **Johnson v Storix, Inc.** **Jun 2015 – Jan 2016**
 Counsel: Eastman & McCartney LLP

- Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Code Review & Consulting
- **Learning Technology Partners LLC v University of the Incarnate Word** **Apr 2015 – Mar 2016**
 Counsel: Glynn & Finley, LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: Federal
 Services Provided: Consulting, Expert Report & Testimony (deposition & jury trial)
 - **Nomadix, Inc. v Hospitality Core Services LLC** **Apr 2015 – Jul 2015**
 Counsel: Mehrman Law Office, PC
 Nature of Suit: *Inter Partes* Review - Patent
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Hull et al v Marriott International, Inc.** **Mar 2015 – present**
 Counsel: Conn Maciel & Carey PLLC
 Nature of Suit: Software Accessibility/ADA
 Jurisdiction: Federal
 Services Provided: Consulting
 - **Copart, Inc. v Lightmaker USA, Inc.** **Mar 2015 – present**
 Counsel: Porter Scott LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting
 - **Arrazate V H&B Group, INC., dba Nissan of Bakersfield** **Apr 2015 – Jun 2015**
 Counsel: Rodriguez Law Firm
 Nature of Suit: Social Media Investigation
 Jurisdiction: State
 Services Provided: Consulting & Declaration
 - **SecureAuth Corporation v miniOrange Inc.** **Mar 2015 – Apr 2015**
 Counsel: Abelman, Frayne & Schwab
 Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Code Review, Consulting & Declaration
 - **Jonathan Demichael v Peak Franchising, Inc.** **Mar 2015 – Apr 2015**
 Counsel: Lee, Hong, Degerman, Kang & Waimey
 Nature of Suit: Product Liability Tort
 Jurisdiction: State
 Services Provided: Consulting & Declaration

- **Mad River Community Hospital v CPSI, Inc.** **Jan 2015 – Mar 2015**
 Counsel: Janssen Malloy LLP
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting
- **Smarty Had a Party LLC v Barrett Brothers, Inc.** **Jan 2015 – present**
 Counsel: Capes, Sokol, Goodman & Sarachan, P.C.
 Nature of Suit: Trade Name Infringement
 Jurisdiction: Federal
 Services Provided: Consulting
- **Core Wireless Licensing S.A.R.L. v LG Electronics, Inc.** **Jan 2015 – present**
 Counsel: Bunsow de Mory Smith & Allison LLP
 Nature of Suit: Intellectual Property - Patent
 Jurisdiction: Federal
 Services Provided: Code Review & Consulting
- **Mass Appeal Media, Inc. v Davina Douthard, Inc.** **Oct 2014 – present**
 Counsel: Krakowsky Michel
 Nature of Suit: Intellectual Property - Trademark
 Jurisdiction: Federal
 Services Provided: Consulting & Declaration
- **Hablian, et al. v Zurich U.S., et al.** **Jan 2015 – present**
 Counsel: Marlin & Saltzman LLP
 Nature of Suit: Source Code Verification
 Jurisdiction: State
 Services Provided: Code Review, Consulting, Expert Report & Testimony (deposition)
- **(Confidential) v Vantage Point Technology, Inc.** **Jan 2015**
 Counsel: Winston & Strawn LLP
 Nature of Suit: *Inter Partes* Review - Patent
 Jurisdiction: Federal
 Services Provided: Consulting
- **Tool Circle Inc. v Nulinx International, Inc.** **Dec 2014**
 Counsel: Humphrey + Law
 Nature of Suit: Breach of Fiduciary Duty
 Jurisdiction: State
 Services Provided: Consulting
- **Verso Paper LLC v Go2Paper, Inc.** **Nov 2014**
 Counsel: Bass Berry & Sims PLC
 Nature of Suit: Intellectual Property - Patent
 Jurisdiction: State
 Services Provided: Consulting

- **Next Gear IP LLC v Capstone BPO and Rajesh Wadhwa** **Sep 2014 – Sep 2015**
 Counsel: Wayne Wisong, Esq.
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting
- **Nutri-Vet, LLC v Dykas Shaver & Nipper, LLP** **Aug 2014 – Dec 2014**
 Counsel: Hawley Troxell Ennis & Hawley, LLP
 Nature of Suit: Malpractice
 Jurisdiction: Federal
 Services Provided: Consulting & Expert Report
- **Breeze Ventures Management, LLC v The Evans School, Inc.** **Aug 2014 – Oct 2014**
 Counsel: Peretz & Associates
 Nature of Suit: Breach of Contract
 Jurisdiction: State
 Services Provided: Consulting & Testimony (deposition & jury trial)
- **Golden Best Plumbing, Inc. v Baghdasarian** **Jul 2014 – Sep 2014**
 Counsel: Dack Marasigan LLP
 Nature of Suit: Trade Name Infringement
 Jurisdiction: State
 Services Provided: Code Review, Consulting, Declaration & Testimony (bench trial)
- **Hill-Rom Company, Inc. v General Electric Company** **Jul 2014 – Aug 2014**
 Counsel: Schiff Hardin LLP
 Nature of Suit: Intellectual Property - Patent
 Jurisdiction: Federal
 Services Provided: Code Review & Consulting
- **Dealercentric Solutions, Inc. v Market Scan Information Systems, Inc.** **Jun 2014 – Jul 2016**
 Counsel: Burkhalter Kessler Clement & George LLP
 Nature of Suit: Intellectual Property – Trade Secrets
 Jurisdiction: State
 Services Provided: Code Review, Consulting & Testimony (deposition)
- **YPP, Inc. v Supermedia LLC** **Jun 2014**
 Counsel: Kirkland & Ellis LLP
 Nature of Suit: Intellectual Property – Copyright
 Jurisdiction: Federal
 Services Provided: Consulting & Expert Report
- **AgJunction LLC v Agrian Inc., et al.** **May 2014 – Feb 2015**
 Counsel: Husch Blackwell LLP
 Nature of Suit: Intellectual Property – Trade Secrets
 Jurisdiction: Federal

Services Provided: Code Review, Consulting & Expert Report

- **Patent Infringement Action**

Mar 2005 – Apr 2005

Counsel: Bingham McCutchen LLP
 Nature of Suit: Intellectual Property – Patent
 Jurisdiction: Federal
 Services Provided: Consulting

PATENT LICENSE CONSULTING

- **U.S. Cl. 235 Patents**

Technology: Registers
 No. of Patents: 4

- **U.S. Cl. 345 Patents**

Technology: Computer graphics processing and selective visual display systems
 No. of Patents: 1

- **U.S. Cl. 370 Patents**

Technology: Multiplex communications
 No. of Patents: 4

- **U.S. Cl. 273 & 463 Patents**

Technology: Amusement devices: games
 No. of Patents: 2

- **U.S. Cl. 455 Patents**

Technology: Telecommunications
 No. of Patents: 4

- **U.S. Cl. 705 Patents**

Technology: Data processing: financial, business practice, management, or cost/price determination
 No. of Patents: 3

- **U.S. Cl. 706 Patents**

Technology: Data processing: artificial intelligence
 No. of Patents: 1

- **U.S. Cl. 707 Patents**

Technology: Data processing: database and file management or data structures
 No. of Patents: 12

- **U.S. Cl. 709 Patents**

Technology: Electrical computers and digital processing systems: multicomputer data transferring
 No. of Patents: 5

PATENT BROKERAGE CONSULTING

- Global Intellectual Strategies** **Mar 2014**
 Technology: Virtualized computing
 No. of Patents: 1
 - Created claim chart showing infringement by major virtualized computing platform.
- Quinn Pacific** **Oct 2013**
 Technology: 2D/3D image processing
 No. of Patents: 13
 - Researched portfolio and documented potential infringement by a Fortune 1000 software company.
- Red Chalk Group** **May 2013**
 Technology: Wireless data processing
 No. of Patents: 85
 - Evaluated patent portfolio for licensing opportunities.
- Prodigy IP** **May 2013**
 Technology: Online video streaming
 No. of Patents: 8
 - Evaluated patent portfolio for licensing opportunities.
- Prodigy IP** **Feb 2013**
 Technology: Digital video recording
 No. of Patents: 2
 - Prepared pre-sale research for small digital media portfolio.
 - Conducted inventor interviews.
 - Created materials explaining the invention and its potential value in the market.
- Open Invention Network** **May 2008**
 Technology: Operating systems
 No. of Patents: 1
 - Researched a patent for similarity to my prior art from 1996.
 - Advised on acquisition/licensing of patent.

NON-IP CONSULTING

- Software Development Manager** **Jan 2007 – Apr 2007**
RealTalk LA, Los Angeles, CA
 - Launched community-news website in Debian/Ubuntu environment.
 - Audited Ruby on Rails environment and performed triage on broken development components.
 - Integrated Trac defect tracking software with Subversion source code control.
 - Installed Capistrano for automated application deployments.
 - Wrote unit, functional and integration tests, and provided group instruction for test writing.
- Software Integration Engineer** **Sep 2006 – Dec 2006**
Koders.com, Santa Monica, CA

- Integrated Ruby on Rails web services on VMWare Linux into existing Windows/MSSQL architecture.
- Installed and customized Beast discussion forums and Radiant content-management system.
- Ran httpperf benchmarks and configured application servers using mongrel_cluster load balancing
- Provided general Ruby on Rails expertise.

- **Software Developer**

Mar 2006 – Sep 2006

YouMee.com, Los Angeles, CA

- Ruby on Rails programming for social chat site YouMee.com
- Developed features from specs, performed unit tests, and promoted code into main development line.
- Fixed bugs and updated bug tickets.

- **Entrepreneur-in-Residence**

Aug 1999 – May 2000

Main Street Partners, Cambridge, MA

- Provided technology advising to investment and patent consulting firm on the MIT campus.
- Received entrepreneur pitches, developed business plans, and performed technology vetting.

- **Technical Advisor**

Jun 2001

Hummer Winblad Venture Partners, San Francisco, CA

- Provided technology advising to leading VC firm for potential investment in software testing startup.
- Delivered presentations to partners and associates.

- **Build Manager
2001**

Apr 2001 – May

Informix, Oakland, CA

- Implemented cross-platform build automation systems for C and Java codebases on Unix, NT, and Macintosh.
- Integrated CodeWarrior (Mac) and Microsoft Visual Studio (NT) compiles into Unix make.
- Wrote integration code using Applescript, shell, and perl.
- Reduced package construction from 8-plus hours to less than 1 hour.

- **Release Manager**

Jan 2001 – Feb 2001

Vodafone, Walnut Creek, CA

- Release manager for Vodafone Internet Platform (VIP) project, a web services portal.
- Coordinated development, outsourcers, operations, and QA to design flow of code through the release process.
- Established baselines for development efforts.
- Drove CM requirements, internal standards and conventions.
- Performed training for developers on system usage and architecture.

- **Software Configuration Manager/System Administrator**

Apr 2000 – Dec 2000

Wind River Systems, Alameda, CA

- Performed infrastructure planning, purchasing recommendations, and technical support for worldwide rollout of Clearcase/Multisite to 17 international locations.
- Wrote Web-based tools in perl for monitoring sync state of network.
- Performed on-site installation and configuration.
- Conducted staff training and Q&A follow-up.

- **Build Engineer** **Sep 1999 – Oct 1999**
CMGi, Andover, MA

 - Organized development tree using CVS for CMGI business unit.
 - Provided technical assistance and mentoring about sound software configuration management practices.
 - Initiated transition from legacy shell script-based build system to recursive make.
 - Worked with QA to provide testable builds of daily development efforts.
 - Documented new procedures for project managers.

- **Software Configuration Manager/System Administrator** **May 1998 – Dec 1998**
GTE Internetworking, Cambridge, MA

 - Administered Unix/NT ClearCase environment for Web-based perl development project.
 - Installed ClearCase clients, recommended optimal system configurations, performed client upgrades, and coordinated with lead administrators to ensure a productive environment.
 - Established automated build environment and build records archive.
 - Performed technical support and training for developers in use of the system.

- **Systems Administrator** **Jan 1998 – May 1998**
Pencom Systems, Boston, MA

 - Provided Unix and Windows desktop support for technical recruitment firm.
 - Diagnosed and repaired Solaris, SunOS, SCO printing/web/mail/file access problems.
 - Designed and installed new server room layout, specified and purchased hardware and component storage.

- **Systems & Process Auditor** **Nov 1997 – Dec 1997**
Simon & Schuster Interactive, Boston, MA

 - Audited software development system and identified problems in Java development efforts.
 - Interviewed staff and vendor technical support, and investigated system architecture.
 - Gathered technical metrics on servers, client workstations, and network performance.
 - Prepared a final report detailing problems, investigative methodologies, and improvements to staff and management.

- **Software Configuration Manager/System Administrator** **Aug 1997 – Nov 1997**
Eaton Corporation, Cleveland, OH & Glasgow, United Kingdom

 - Implemented ClearCase and Attache rollout on HP-UX for Oracle developers at international diversified parts manufacturer.
 - Studied site requirements, recommended ClearCase configuration and implementation.
 - Coordinated with Unix staff to make needed changes to development, QA, and production systems.
 - Designed and taught a class about the use of ClearCase and Attache for developers, and presented it in several day-long sessions in Cleveland and Glasgow.

- **Software Configuration Manager/System Administrator** **Apr 1997 – Aug 1997**
Shiva Networking, Burlington, MA

 - Provided ClearCase and Unix support for embedded systems developers at network hardware company.
 - Implemented perl scripts for system monitoring.

- Coordinated MultiSite rollout with Edinburgh, Scotland, and Cupertino, California.
- Migrated source code repositories from old hardware to new Ultra Enterprise servers.
- Provided training and mentoring for internal Shiva staff.

- **Software Configuration Manager**

Jan 1997 – Apr 1997

Ascom-Nexion, Acton, MA

- Provided ClearCase and SunOS/Solaris support for large telecom hardware manufacturer.
- Wrote shell and perl scripts to monitor ClearCase and nightly backup system.
- Implemented NTP across 300 Unix nodes.
- Configured Web server logging software and analyzed traffic.
- Provided ClearCase mentoring and training for internal staff.

- **Support Engineer**

Sep 1996 – Dec 1996

Atria Software, Lexington, MA

- Completed certification in ClearCase, a distributed software configuration management (SCM) and build system.
- Provided telephone and email support for ClearCase customers, often involving elaborate remote debugging.
- Participated in weekly "hot ticket" support sessions to solve difficult customer issues.

- **Network Administrator**

Aug 1996

Security Dynamics/RSA, Bedford, MA

- Co-managed heterogeneous network for large engineering department.

TEACHING

- **Programming Instructor**

Mar 2003 – Apr 2003

Bay Area Video Coalition, San Francisco, CA

- Designed and taught Applescript programming course for educational technology nonprofit.

- **Technology Instructor in Continuing Education**

Aug 2000 – May 2003

San Francisco State University, San Francisco, CA

- Designed and taught technology courses for Information Technology and Multimedia Studies certificate programs:
 - Principles of Programming
 - Mac OS X
 - Programming in AppleScript
 - PC Hardware
 - Internet Architecture
 - Database Design
- Received "Outstanding Instructor Award" for Fall 2001.

- **Technology Instructor**

Aug 1997 – Nov 1997

Eaton Corporation, Cleveland, OH & Glasgow, United Kingdom

- Designed and taught a class about the use of ClearCase and Attache for developers, presented in several day-long sessions.

PATENTS

- **Method and Apparatus for Remotely Monitoring a Social Website**, U.S. Patent 9,858,341
 - The invention consists of a method for monitoring the creation of user-generated content on one website, and duplicating that content at a second, remote website. The duplicated content can be used for a variety of purposes such as trend analysis or individualized advertising.
- **Behaviorally-Targeted Ad Serving**, filed Aug 3, 2006
 - Provisional filing for 11/833,018.
- **Bayesian-Guided Metadata Classification**, filed Jun 5, 2006
 - The invention was a method for using metadata associated with curated content to classify new content. (abandoned provisional)
- **Bookmark Search Engine**, filed Mar 10, 2000
 - The invention was an apparatus and method for compiling Web bookmarks across an audience of users and providing a means to search the bookmarks and their content. (abandoned provisional)

PROFESSIONAL ASSOCIATIONS

- Forensic Expert Witness Association
- IEEE Computer Society
- Application Developers Alliance

PRESS

- The Capital Forum (<https://thecapitolforum.com/>)
- Social Equity: Up in Smoke (Episode 2)
- This is LA (KCBS)
- Adult Ed with Jake and Amir
- Samsung Battery Recall (KABC)

HONORS AND AWARDS

- **Outstanding Instructor Award**, Fall 2001
Awarded each semester for exceptional teaching by a continuing education instructor at San Francisco State University.
- **Phi Eta Sigma National Honor Society**, Fall 1993
National academic fraternity.
- **USC Dean's List**, Spring 1990
Awarded for GPA of 3.8 or higher.
- **National Merit Scholarship Semifinalist**, Spring 1988
Awarded for academic achievement to 16,000 high school students each year out of 1.5 million entrants.

TECHNICAL EXPERTISE

- **Web Technologies**

HTTP, AJAX, REST, SSL (secure sockets), proxies, Amazon Web Services, cloud computing, PaaS, SaaS, web forensics, content management, client/server

- **Programming Languages**

Ruby, Rails, PHP, perl, python, Java, JavaScript, HTML, XML, Shell

- **Operating Systems**

Linux, Unix, Mac OS X, iOS, Windows, file systems

- **Databases**

MySQL, mSQL, Sqlite, Memcached, Cassandra, MongoDB

- **Development and Version Control**

Git, Github, Bitbucket, JIRA, ClearCase, Subversion, CVS, RCS, make, gmake

- **Other**

Agile development standards and practices, academic plagiarism analysis using MOSS (Measure of Software Similarity), natural language processing (NLP), machine learning, authentication/authorization, encryption, mobile development, performance tuning, scalability

#	Litigation	Side	Type of Case	Code Review	Report	Testimony
84	Porchlight LLC v Ventive LLC	Plaintiff	Breach of contract		X	arbitration
83	FinApps v Yodlee	Plaintiff	IP trade secret	X		
82	Anonymous v Anonymous					
81	Anonymous v Anonymous					
80	Kilterly v. SolutionStream, LLC	Defendant	Breach of contract		X	
79	Express Lien, Inc. v. Handle, Inc	Defendant	IP trade secret		X	deposition
78	Oliver Basil v. Jacques Webster	Defendant	Social media/IP copyright		X	
77	Robillard v Opal Labs	Plaintiff	IP trade secret	X	X	
76	Nokia v Motorola	Defendant	IP patent			
75	Los Angeles County Sherriff's Department v Orrego	Defendant	Internal affairs			
74	Impact Engine v Google	Plaintiff	IP patent			
73	Social Equity Owners and Workers Association, Inc v Los Angeles	Plaintiff	Regulatory failure		X	
72	Vargas et al. v Facebook, Inc.	Plaintiff	Social media class action			
71	Tenstreet, LLC v. Driverreach, LLC	Defendant	IP patent	X		
70	Anonymous v Anonymous					
69	Los Angeles County Sherriff's Department v Rodriguez	Defendant	Internal affairs			Skelly hearing
68	Shaghal, Ltd. v Children's Network LLC d/b/a Sprout	Defendant	Breach of contract		X	arbitration
67	Olin et al. v Facebook, Inc	Plaintiff	Social media class action	X	X	
66	OnSors LLC v Sabrina Schueppl dba NuMe, ABV Group	Plaintiff	Breach of contract	X		depo & bench trial
65	BrandRep Holdings v Employer Advertising LLC	Plaintiff	IP trade secret	X		
64	Coulter Ventures, LLC, d/b/a Rogue Fitness v Titan	Plaintiff	IP trademark			
63	Cgraydesign v Eagles Nest Outfitters, Inc.	Defendant	IP trade secret			
62	Calendar Research LLC v Stubhub, Inc. and eBay Inc.	Defendant	IP copyright	X	X	
61	Really Big Coloring Books, Inc. v Delta Dental Insurance	Defendant	IP copyright		X	
60	M. A. Mobile Ltd. v Indian Institute of Technology	Plaintiff	IP trade secrets	X	X	deposition
59	irth Solutions LLC v Apex Data Solutions d/b/a DigTis	Defendant	IP trade secrets			
58	Cohen v Ramirez	Defendant	Personal injury			
57	Ensource Investments LLC v Tatham et al	Plaintiff	IP trade secrets	X	X	jury trial
56	O'Hara v Facebook, Inc, Cambridge Analytica	Plaintiff	Social media class action			
55	Sound View Innovations, LLC v Hulu, LLC	Plaintiff	IP patent	X		
54	Liberi v Taitz	Defendant	Defamation	X	X	
53	Aquilina v Wriggelsworth et al.	Plaintiff	Civil rights			
52	Cornerstone, Inc. v Modular Mining Systems, Inc.	Plaintiff	Breach of contract			
51	Liang v AWG Remarketing, Inc., Group 3 Auctions, LLC	Plaintiff	IP copyright			
50	Peri Domante v Dish Network, L.L.C.	Plaintiff	Breach of contract			
49	Applied Business Software Inc. v Citadel Servicing Co	Plaintiff	IP copyright			
48	Expo Ed Inc. v Anaca Technologies Ltd.	Defendant	IP copyright		X	bench trial (Canada)
47	Integrated Dynamic Solutions, Inc. N. Gashtili v VitaV Inc.	Plaintiff	Standards & practices			depo & arbitration
46	Lexxiom Inc. v Converze/Lido Labs LLC	Plaintiff	IP copyright	X		
45	Turkey v Ali Çihan	Defendant	Criminal	X	X	
44	Beard v Gerdau S.A.	Plaintiff	Breach of contract		X	
43	Softech USA d/b/a/ Gemfind v Chasin	Plaintiff	IP trade secrets	X		
42	Krubim 26 Intl Inc v Golden Communications, Inc. & Inc.	Plaintiff	Standards & practices	X		depo & jury trial
41	Rogue Wave Software Inc v BTI Systems Inc	Plaintiff	IP copyright	X	X	deposition
40	(Confidential) v (Confidential)	Plaintiff	IP copyright	X		deposition
39	Patel v Facebook, Inc.	Plaintiff	Social media class action	X		
38	Fox Television Stations, Inc. v FilmOn X, LLC	Defendant	IP copyright			
37	Securus Technologies, Inc. v Public Communication Services Inc.	Plaintiff	Breach of contract			
36	Zaghi dba Angel Dental Care v Salama	Defendant	Social media			deposition

35	Level One Technologies, Inc. v Penske Truck Leasing	Plaintiff	IP trade secrets	X		
34	Chrome Systems, Inc. v Autodata Solutions, Inc.	Plaintiff	IP copyright	X		
33	Deal Segments, Inc. v Dream Warrior Group, Inc.	Plaintiff	Standards & practices			
32	Alertus Technologies, LLC v Blake Robertson	Defendant	IP trade secrets	X	X	
31	Alertus Technologies, LLC v Callinize, Inc.	Defendant	IP trade secrets	X	X	
30	ABS, Inc. v FCI, Inc.	Plaintiff	IP trade secrets			
29	Trichel v Union Pacific Railroad	Plaintiff	Digital forensics		X	
28	BeUbiq, Inc. v Curtis Consulting Group, Inc.	Defendant	Standards & practices	X	X	2 depos & jury trial
27	Vincent Wellrich v Dream Warrior Group, Inc.	Plaintiff	Standards & practices			
26	Nicole, Inc. v BLK International	Plaintiff	IP copyright			
25	Chipp'd Ltd. v Crush & Lovely LLC	Plaintiff	Breach of contract	X		
24	Johnson v Storix, Inc.	Plaintiff	IP copyright	X	X	
23	Learning Technology Partners LLC v U. of the Incarna	Plaintiff	Breach of contract	X	X	depo & jury trial
22	Nomadix, Inc. v Hospitality Core Services LLC	Plaintiff	IP Inter partes review			
21	Hull et al v Marriott International, Inc.	Defendant	ADA accomodation	X		
20	Copart, Inc. v Lightmaker USA, Inc.	Plaintiff	Breach of contract			
19	Arrazate V H&B Group, INC., dba Nissan of Bakersfie	Defendant	Social media		X	
18	SecureAuth Corporation v miniOrange Inc.	Neutral	IP copyright	X	X	
17	Jonathan Demichael v Peak Franchising, Inc.	Defendant	Product liability tort		X	
16	Mad River Community Hospital v CPSI, Inc.	Plaintiff	Breach of contract			
15	Smarty Had a Party LLC v Barrett Brothers, Inc.	Plaintiff	IP trademark	X		
14	Core Wireless Licensing S.A.R.L. v LG Electronics, Inc.	Plaintiff	IP patent	X	X	
13	Hablian, et al. v Zurich U.S., et al.	Plaintiff	Source code verification	X	X	deposition
12	(Confidential) v Vantage Point Technology, Inc.	Plaintiff	IP Inter partes review			
11	Tool Circle Inc. v Nulinx International, Inc.	Plaintiff	Breach of fiduciary duty			
10	Verso Paper LLC v Go2Paper, Inc.	Plaintiff	IP patent			
9	Next Gear IP LLC v Capstone BPO and Rajesh Wadhv	Defendant	Breach of contract			
8	Nutri-Vet, LLC v Dykas Shaver & Nipper, LLP	Defendant	IP copyright	X	X	
7	Breeze Ventures Management, LLC v The Evans Scho	Defendant	Standards & practices		X	jury trial
6	Golden Best Plumbing, Inc. v Baghdasarian	Plaintiff	IP copyright	X		bench trial
5	Hill-Rom Company, Inc. v General Electric Company	Plaintiff	IP patent	X		
4	Dealercentric Solutions, Inc. v Market Scan, Inc.	Plaintiff	IP trade secrets			deposition
3	YPP, Inc. v Supermedia LLC	Defendant	IP copyright		X	
2	AgJunction LLC v Agrian Inc., et al.	Defendant	IP trade secrets	X	X	
1	(Patent Infringement Action)	Plaintiff	IP patent			