STEVEN H. GOLDBERG

18480 Chelmsford Drive, Cupertino, California 95014
E-mail: steve_goldberg@comcast.net
Mobile: 650-868-9040

SUMMARY

SENIOR HIGH TECHNOLOGY EXECUTIVE with 30+ years of management experience in both small and large business environments. Strong technical background with emphasis on wireless, security, signal processing, AI/ML, telematics, and networking. A hands-on, energetic, people-oriented leader with proven ability to quickly build effective results-oriented teams with focused business objectives. Strong interpersonal and business skills are equally effective with customers and partners as with employees.

- **Operating Partner at Tier 1 venture capital firm for 10+ years**
- **Serial CEO with early-stage technology companies**
- **50+ cases as Expert Witness for IP and patent disputes**
- **Early-stage technology investor and board member**
- **Built successful teams at Trimble, Cylink, Verticom, Nokia, and Arcwave**
- **Supported revenue generation from pre-revenue (Arcwave) to >$250M (Nokia)**
- **Managed ASIC development at Cylink, Nokia, and CoWave**
- **Functional AI skillset including adaptive filtering and 1D/2D signal processing**

PROFESSIONAL EXPERIENCE

FINISTERE VENTURES, Palo Alto, CA **November 2021 – Present**
Managing Partner

Investing partner at early-stage venture capital firm; focused on technology-based companies focused in and around the food and agriculture ecosystem including adjacent areas of transportation, supply chain, finance, security, ML/AI, robotics, water, climate, etc.

BUSINESS AND TECHNOLOGY EXECUTIVE, Cupertino, CA **May 2006 to Present**

Support range of markets including wireless communications, IoT, physical and cyber security, signal processing, embedded systems, automotive, robotics, location services, and telematics. Public company board member (SLDP:Nasdaq); advisor to several private companies. Provide Expert Witness support for IP/Patent litigation for wireless, telematics, GPS, and RF-related cases.

VENROCK ASSOCIATES, Palo Alto, CA. **May 2009 to January 2020**
Operating Partner/Investor

Operating partner of Venrock, a leading, global venture capital firm; Chartered to manage a technology portfolio and identify attractive new business opportunities in the wireless, security, location services, IoT, robotics, and satellite technology sectors; Current and past director/observer/advisor of 20+ early-stage companies. Frequent public speaker and panelist on a variety of management and technology topics. Provide ongoing business and technical diligence support to Venrock on wide variety of technologies including wireless, telematics, automotive, machine learning, robotics, and IoT. Reviewed/diligenced over 5000 technology companies.

DATARUNWAY, Inc., Cupertino, CA **August 2007 to November 2008**
President and CEO

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Early-stage, high-technology company focused on providing broadband Internet and phone service to commercial aircraft and private planes in flight. Technology demonstrated to airline industry; company IP ultimately used to support broadband services to cruise ship industry.

VIDIENT SYSTEMS, Inc., Santa Clara, CA **January 2007 to July 2007**
President and CEO

Overall corporate responsibility for 3-year old venture-backed startup (turn-around) in the video surveillance market (specifically video analytics/content analysis); backed by Trident Capital, Blueprint Ventures, Canaan Partners, and Hotung Capital Mgmt.

- Products include the SmartCatch family of software analytics and hardware processing platforms
- Technology/Channel partners include AMAG/G4, Unisys, Intergraph, Broadware, OnSSI, Milestone, NEC
- Lowered cash usage from $750k to $500K/ mo.; restructured business model/go-to-market strategy from VAR/Integrator to OEM model; added marketing function; restructured product offering and focus; relocated company HQ; supported delivery of SmartCatch 3.0 software and IVR2400 analytics appliance; restructured pricing and margin model; renegotiated all sales/employee revenue-based compensation and commission plans
- Wrote two industry white papers on video analytics; gave numerous press/media interviews; Red Herring and AlwaysOn 100 finalists
- Negotiated $4M bridge funding

VENROCK ASSOCIATES, Menlo Park, CA. **April 2005 to April 2006**
Entrepreneur-in-Residence

Engaged as a full-time contractor to Venrock, a leading, global venture capital firm, to assist in identifying attractive new business opportunities in the wireless, security, networking, and/or location markets.

ARCWAVE, Inc. Campbell, California **October 2000 to February 2005**
(CoWave Networks merged with Advanced Radio Cells to form Arcwave in April 2003)
President and CEO

First employee of VC-funded (Mayfield, Venrock, SBV, Comcast, Vulcan, Lucent) wireless startup supplying wireless broadband access products to the global cable industry; oversaw construction of corporate infrastructure, hired executive team; led marketing and sales strategy and key technology developments; led all corporate fundraising activities.

- Key in creating product positioning and branding strategy for residential wireless mesh technology (MeshCast™); 5 patents
- Positioned technology as mesh component of IEEE 802.16a standard; managed ASIC development
- Managed $12.4M in original Series A funding and raised $3.7M in a Series B round in Dec. 2002
- Initiated and successfully managed merger of CoWave Networks with Advanced Radio Cells, Inc. to form Arcwave, in April 2003; Raised $8M Series C funds in June 2004 led by new investors Comcast Interactive Capital and Vulcan Ventures

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- At Arcwave, led definition and oversaw development of last-mile wireless cable extension product for Enterprise broadband voice/data service offering from cable industry
- Arcwave customers included Comcast, Time Warner, Cox, Adelphia, Charter, Mediacomm, CableOne

NOKIA CORP., Mt. View, California **August 1999 to Oct. 2000**
Vice President, Research and Development, Nokia Internet Communications

Brought in to help with the integration of the recently acquired start-up, Ipsilon Networks; overall responsibility for R&D for $70 million R&D budget with 275 engineers worldwide; participated in growth of new business unit from $50M to $250M+ run-rate; hired over 70 engineers and managers; successfully integrated a second 70 person engineering group in Boston, Mass.; core products tied to networking and internet application appliances with strong ties to next generation packet-based cellular systems.

- Actively involved in Sales, Marketing, and Support of global firewall appliance business; regular customer interaction tied to new product development and feature enhancement
- Led development of entire product line, including IP530, IP740, ISS appliance, Anti-Virus appliance, and current version of operating system
- Managed 20+ person ASIC team developing packet processing acceleration ASICs

VERTICOM, INC., Santa Rosa, California **December 1997 to August 1998**
President and CEO

Overall corporate responsibility for a four-year-old private, VC-funded (NEA) wireless restart involved in radio subsystems for satellite and terrestrial wireless infrastructures.

- Recruited to facilitate turn-around; created new $6.5M operating plan for 1998 (revenue peaked at $16M in FY2000); reduced monthly operating loss from $500K to under $300K
- Built new management team including V.P.'s of manufacturing, finance, and engineering and streamlined document control, sales lead tracking, order generation, and project engineering
- Oversaw restart of stalled product shipments and improvement of average gross margins by >20%
- Oversaw global sales and distribution channel
- More than doubled revenue $/direct labor from $100K to over $200K

CYLINK CORPORATION, Sunnyvale, California **March 1995 to Dec. 1997**
Vice President, General Manager, Wireless Communications Division

Reporting directly to CEO, created Wireless business unit/division; products included spread spectrum radio-modems with worldwide distribution in over 90 countries, 6 international sales offices.

- Brought revenues, profitability from under $7M annually to $31M with gross margins of >55%
- Built management team in sales, marketing, engineering, customer service, and manufacturing
- Managed Cylink cordless phone ASIC business
- Intimately involved in highly successful Cylink IPO in February 1996; worked directly with investment banks and wrote key sections of S-1 registration statement
- Positioned division for sale and made key presentation resulting in Cylink Wireless Division sale to P-Com, Inc. in March 1998 for $60.5M

- Returned to P-Com, Inc. from Aug. 1998 to Nov. 1998 to manage Cylink integration

TRIMBLE NAVIGATION, Ltd., Sunnyvale, California
Program Manager – Military Division **Nov. 2008 to Sept. 2009**

- Led interdisciplinary team of engineers (hardware, software, mechanical, RF) in the design of next generation military M-Code GPS receivers for in-flight applications
- Interacted with Program Managers from program partners Raytheon, General Dynamics and with the U.S Air Force GPS Wing contracting organization

Manager – Vehicle Tracking Division – Communications Systems Group **1993 to 1995**

- Led development and marketing group for GPS-based tracking, navigation, and positioning systems
- Co-created new product line for tracking people and cargo using cellular phones with GPS; Tens of thousands sold globally over 10-year period; product line continues today
- On-going global customer interaction during product development and rollout
- Regular interaction with global Sales, Marketing and Support organizations
- Directed engineering teams from concept to fully functional end-user installations; system level interaction with core GPS ASIC development team
- Served as corporate-wide technical resource for strategic planning and intellectual property

Senior Engineer – Survey Division **1991 to 1993**

- Co-lead in Differential Corrections Group that developed the line of TrimTalk radio systems; used to provide local corrections to Trimble Series 4000 GPS survey receivers

APPLIED SIGNAL TECHNOLOGY, Sunnyvale, California **1988 to 1991**
Program Manager – Wireless Communication Division

- Regular interaction with government intelligence customers to define product needs
- Directed development of wideband, 1-40GHz, 'flexible' surveillance receiving system
- Led many corporate marketing activities including technical presentations and proposal writing
- Developed company-wide technical training program for over 200 company employees; Developed and taught DSP, Adaptive Filtering, and Digital Communications courses

HEWLETT-PACKARD CO., Palo Alto, California **1979 to 1988**
Instructor – Microwave and Communications Group Training Center 1980 to 1988
Responsible for course development and teaching of a variety of electronic measurement subjects on a global basis to HP customers and newly hired HP engineers. Topics included transmission lines, network analysis, spectrum analysis, noise figure, general signal processing techniques, modulation and telecommunications principles.

Hewlett-Packard Visiting Professor – North Carolina A&T State University 1982 to 1983
On temporary assignment to teach undergraduate electrical engineering courses. Courses included Communications and Modulation Theory, Circuit Analysis and Synthesis and Circuits and Systems.

Production Engineer – HP Microwave Semiconductor Division 1979 to 1980

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Responsible for production line support, product improvement and new product introduction for microwave GaAs FET amplifiers and broad range of RF and microwave passive component line from 1-18GHz.

EMERSON ELECTRIC CO., St. Louis, Missouri **1978 to 1979**
Radar Engineer
Responsible for the design and development of the receiver/transmitter portions of military radar systems. Products included high dynamic range logarithmic receivers and magnetron/klystron-based transmitters.

CALIFORNIA MICROWAVE, Inc., Sunnyvale, California **1976 to 1978**
RF and Microwave Engineer
Responsible for the design and testing of RF and microwave circuits and components for military, telecommunications, and commercial applications. Frequency range from 1-30 GHz.

EXPERT WITNESS EXPERIENCE

1. Type of Matter: Contract Litigation
Parties Involved: Strategic v. Natomas Park
Services Provided: Expert report provided for Plaintiff
Disposition: Judge ruled in favor of Plaintiff
Date: 2006

2. Type of Matter: Patent Infringement
Law Firm: Jenkins and Gilchrist
Services Provided Infringement research; Wireless LAN
Disposition: Completed/Outcome Unknown
Date: 2006

3. Type of Matter: Patent Infringement; Defense
Law Firm: Orrick, Herrington & Sutcliffe, LLP
Services Provided: Infringement research, prior art
Subject Matter: GPS technology
Parties: SIRF v Global Locate
Disposition: Completed/Settled
Date: 2007

4. Type of Matter: Patent Infringement; Plaintiff
Law Firm: Fish and Richardson
Subject Matter: Location Services; GPS
Services Provided: Infringement expert report; Invalidity Rebuttal report; Deposition; Vehicle IP v GM Corp.
Disposition: Completed
Date: 2007/2008

5. Type of Matter: Patent Invalidity; Defense
Law Firm: Kilpatrick Stockton

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Parties:	Telematics v. Motorola
Services Provided:	Declaration
Disposition:	Completed/Outcome Unknown
Date:	2008

6. Type of Matter	Patent Invalidity; Defense
Law Firm:	Keker & Van Nest
Service Provided:	Patent Review, Cable Modems; Rembrandt v Comcast
Disposition:	Completed/Outcome Unknown
Date:	Nov 2008 – Jan 2009

7. Type of Matter	Patent Infringement; Plaintiff
Law Firm:	Fulbright & Jaworski
Subject Matter	Location Services; GPS
Service Provided:	Product review; RemoteMDx vs. STOP LLC
Disposition:	Completed/Settled
Date:	Dec. 2008 - Jan. 2009

8. Type of Matter	Patent Infringement; Plaintiff
Law Firm:	Kirkland & Ellis
Service Provided:	Patent and Prior Art Review
Parties:	Intel v Wi-Lan
Disposition:	Completed/Outcome unknown
Date:	Jan. 2009 – March 2010

9. Type of Matter	Patent Infringement; Defense
Law Firm:	Cravath, Swain, & Moore
Service Provided:	Patent and Prior Art Review
Parties:	ITT v. Qualcomm
Disposition:	Completed
Date:	Feb. 2010

10. Type of Matter	Patent Reexamination; Defense
Law Firm:	Fish and Richardson
Service Provided:	Reexamination support; Declaration
Subject Matter:	Location Services
Party:	Vehicle IP
Disposition:	Completed
Date:	Nov. 2010

11. Type of Matter	Patent Infringement; Plaintiff
Law Firm:	Paul Hastings
Service Provided:	Infringement research, telematics hardware
Parties:	HTI vs. ProCon
Disposition:	Completed
Date:	February 2011

12. Type of Matter	Patent Infringement; Defense
Law Firm:	FTBK Law
Service Provided:	Markman Declaration

Parties:	Visteon v. Mitac
Disposition:	Unknown; completed.
Date:	July 2011

13. Type of Matter	Patent Infringement; Defense
Law Firm:	Fish and Richardson
Service Provided:	Rebuttal Infringement and Invalidity reports; Deposition
Subject Matter:	Consumer golf-related location services
Parties Involved:	SkyHawke Technologies, LLC v. Callaway Golf
Disposition:	Favorably settled before trial; 3/2012

14. Type of Matter	Patent Infringement; Plaintiff
Law Firm:	Ostrow Kaufman, LLP
Subject Matter:	Air to ground communications
Service Provided:	Claim Construction/Summary Judgment Preparation
Parties Involved:	Advanced Media Networks v. Gogo LLC/Aircell
Disposition:	Favorably settled before trial in Summer 2013

15. Type of Matter	Patent Infringement; Plaintiff
Law Firm:	Fish and Richardson
Service Provided:	Infringement report, Rebuttal Invalidity report, Deposition, Trial Testimony U.S. District Court, Delaware
Parties Involved:	Vehicle IP, LLC v. Werner Enterprises
Subject Matter:	Location Services; GPS
Disposition:	Jury trial complete in Sept. 2013 favoring defense on infringement; validity upheld

16. Type of Matter	Patent Infringement: Defense
Law Firm:	Fish and Richardson
Subject Matter	RF/Signal Processing for Cellular Telephones
Service Provided:	Claim Construction and Invalidity report, Deposition, Trial Testimony at ITC
Parties Involved:	Ericsson v. Samsung
Disposition:	Trial at ITC in Sept. 2013; Favorably settled before court decision, Jan. 2014

17. Type of Matter	Patent Infringement; Defense
Law Firm:	Bryan Cave
Subject Matter	Automotive GPS
Service Provided:	Declaration re: Preliminary Injunction Hearing; Deposition; Hearing testimony; IPR declaration
Parties Involved:	MAcom v. Laird
Disposition:	Favorably settled before trial/IPR, April 2015

18. Type of Matter:	Product Liability: Defense
Law Firm:	Keker and Van Nest, San Francisco, CA
Service Provided:	Declaration re: GPS semiconductor architecture and performance
Parties Involved:	TomTom International v. Broadcom Corp.
Disposition:	Favorably settled before trial, May 2015

19. Type of Matter:	IPR; Plaintiff
Law Firm:	Sheppard Mullin

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Subject Matter	GPS; location services
Service Provided:	Multiple expert declarations; Deposition; IPRs
Parties Involved:	TCL
Disposition:	Completed; 2016

20. Type of Matter:	Patent Infringement; Plaintiff
Law Firm:	Fish and Richardson
Subject Matter	Location Services
Service Provided:	Multiple expert reports; Multiple Depositions
Parties Involved:	Vehicle IP v. ATT/Verizon
Disposition:	Favorably settled with one defendant; 2017

21. Type of Matter:	Patent Infringement; Plaintiff
Law Firm:	Smith, Gambrell, and Russell
Service Provided:	Discovery support
Parties Involved:	InfoGation; ZTE, HTC
Disposition:	Unknown as of Dec. 2017

22. Type of Matter:	Patent Infringement; Defendant
Law Firm:	Fish and Richardson
Subject Matter	Consumer Electronics; GPS
Service Provided:	Testifying expert; Declaration for IPR
Parties Involved:	Escort, Inc. v. Uniden America Corporation
Case No.:	Civil Action No. 3:18-CV-00161-N
Court:	Northern District of Texas, Dallas Division
Disposition:	Favorably Settled; July, 2020

23. Type of Matter:	Patent Infringement; Plaintiff
Law Firm:	Bunsow De Mory LLP
Subject Matter	Consumer Electronics; Cellular Telephones
Service Provided:	Markman Hearing support; Deposition
Parties Involved:	Theta IP, LLC. v Samsung Electronics Co., LTD and Samsung Electronics America, Inc.
Case No.	Civil Action No.: WA:20-CV-0160-ADA
Court:	Western District of Texas, Waco Division
Disposition:	Favorably settled; January 2022

24. Type of Matter:	Patent Infringement; Plaintiff
Law Firm:	Steptoe
Subject Matter:	Consumer Electronics; Automotive Telematics; GPS
Service Provided:	Testifying expert; Infringement report, Rebuttal Report, Witness Statement, Deposition; ITC trial testimony
Parties Involved:	Broadcom v. Toyota; CERTAIN INFOTAINMENT SYSTEMS, COMPONENTS THEREOF, AND AUTOMOBILES CONTAINING THE SAME
Court:	International Trade Commission
Case No.	337-TA-1119
Disposition:	2018-2020; Completed; Decision in favor of Defense; Under Appeal

25. Type of Matter:	Patent Infringement; Supporting Defendant and Counter Plaintiff

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Law Firm:	Amster, Rothstein, and Ebenstein
Subject Matter:	Enterprise Wireless; Retail; Bluetooth
Service Provided:	Testifying expert; Non-Infringement Rebuttal Report
Court:	Middle District of Florida, Orlando Division
Case No.:	6:18-cv-00064-RBD-GJK
Parties Involved:	Proxicom Wireless v. Macy's Inc. and Macy's Florida Stores, LLC
Disposition:	Favorably settled; July 2019

26. Type of Matter:	Patent IPR, Supporting Patent Owner
Subject Matter	Automotive, GPS
Law Firm:	Steptoe
Court:	Patent Trial and Appeal Board
Case No.:	IPR2019-00737, IPR2019-00816
Services Provided:	Declarations, Deposition
Parties Involved:	u-blox AG, Japan Radio Co., Ltd., Petitioners; Broadcom Corp., Patent Owner
Disposition:	Unknown

27. Type of Matter:	Patent IPR, Supporting Petitioner
Subject Matter:	Automotive, Mapping
Law Firm:	Erise IP, P.A.
Court:	Patent Trial and Appeal Board
Case No.:	IPR2020-01254, IPR2020-01253
Services Provided:	Two (2) declarations, 2H2020
Parties Involved:	Apple Inc., Petitioner; Navblazer, LLC, Patent Owner
Disposition:	Awaiting Deposition (if needed)

28. Type of Matter:	Patent IPR, Supporting Patent Owner
Subject Matter:	Vehicle to Vehicle Communication
Law Firm:	McDonnell, Boehnen, Hulbert & Berghoff
Services Provided	IPR Declaration, 2H2020
Court:	Patent Trial and Appeal Board
Case No:	IPR2020-00354
Parties Involved	Unified Patents, LLC, Petitioner; AutoBrilliance, LLC, Patent Owner
Disposition:	Declaration Completed; Case Status Unknown

29. Type of Matter:	Patent Infringement; Defendant
Subject Matter:	Consumer Electronics
Law Firm:	WilmerHale
Services Provided	Technical/Business Expert; Expert Report; Deposition
Court:	U.S. District Court, District of Delaware
Case No.:	Civil Action No. 19-1031-RGA-SRF
Parties Involved:	NextStep, Inc. v. Comcast Communications
Disposition:	Favorably settled at trial in Sept 2021

30. Type of Matter:	Patent Infringement; Plaintiff
Subject Matter:	Business Aviation Communications
Law Firm:	Burr and Foreman
Service Provided:	Testifying Expert; Declaration supporting Summary Judgement; Infringement report, Invalidity Rebuttal report, Reply report; Multiple depositions

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Court:	U.S District Court, District of Delaware
Case No.:	C.A. No. 22-266-VAC-MPT
Parties Involved:	SmartSky Networks, LLC v. Gogo Business Aviation, LLC
Disposition:	SJ Declaration Completed; Case ongoing

31. Type of Matter:	Patent IPR, Supporting Patent Owner
Subject Matter:	Automotive; EV Charging
Law Firm:	Carter Arnett
Service Provided:	IPR Declaration
Court:	Patent Trial and Appeal Board
Case No:	IPR2022-0519
Parties Involved:	United Patents, LLC, Petitioner; Charge Fusion Technologies, LLC, Patent Owner
Disposition:	PTAB found in favor or Patent Owner, August, 2022

32. Type of Matter:	Patent IPR; Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Volpe Koenig
Service Provided:	IPR Declaration
Court:	Patent Trial and Appeal Board
Case No:	IPR2022-00708
Parties Involved:	Toyota Motor Corp., Petitioner; Intellectual Ventures II, LLC, Patent Owner
Disposition:	Declaration Completed

33. Type of Matter:	Patent Infringement; Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Rozier Hardt McDonough PLLC
Service Provided:	Declaration Opposing Summary Judgement
Parties Involved:	Fleet Connect Solutions, LLC. v. Precision Drilling Corporation
Court:	Western District of Texas, Waco Division
Case No.:	Civil Action No. 6.21-CV-00987-ADA
Disposition:	Declaration Completed; May, 2022

34. Type of Matter:	Patent Infringement; Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Rozier Hardt McDonough PLLC
Service Provided:	Declaration Opposing Summary Judgement
Court:	Western District of Texas, Waco Division
Case No:	Civil Action No. 6:21-CV-00988-ADA
Parties Involved:	Fleet Connect Solutions, LLC v. Flying Star Transport, LLC
Disposition:	Declaration Completed; May 2022

35. Type of Matter:	Patent Infringement; Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Rozier Hardt McDonough PLLC
Service Provided:	Declaration Supporting Claim Construction Brief
Court:	Western District of Texas, Waco Division
Case No:	Civil Action No. 6:21-cv-01306-ADA

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Parties Involved:	Fleet Connect Solutions, LLC v. MV Transportation, Inc. and MV Contract Transportation, Inc.
Disposition:	Declaration Completed, July 2022

36. Type of Matter:	Patent Infringement; Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Rozier Hardt McDonough PLLC
Service Provided:	Declaration; Regarding the Meaning of Certain Terms in the Asserted Patents
Court:	Western District of Texas, Marshall Division
Case No:	Civil Action No. 2:21-cv-365-JRG
Parties Involved:	Fleet Connect Solutions, LLC v. Waste Connections US, Inc. and Waste Connections of Texas, LLC
Disposition:	Unknown, July 2022

37. Type of Matter	Patent Infringement; Supporting Plaintiff
Subject Matter	Automotive Telematics
Law Firm:	Kirkland and Ellis, LLP
Service Provided:	Claim Construction Support; Declaration
Parties Involved:	Omnitracs, LLC and XRS Corporation v. Platform Sciences, Inc.
Court:	Southern District of California
Case No:	3:20-cv-0958-CAB-MDD
Disposition:	Completed, August 2022

38: Type of Matter	Contract Dispute; Supporting Respondents
Subject Matter:	Enterprise Software; Internet Communications
Services Provided:	Witness Statement Prep
Law Firm:	Snell & Wilmer
Parties Involved:	DISH WIRELESS L.L.C. and DISH PURCHASING CORPORATION v. REVOKIND INC., JUSTIN CASWELL and REVOFI LLC
Court:	American Arbitration Association
Case No:	01-22-0002-3635
Disposition:	Completed; Case status unknown

39. Type of Matter:	Patent IPR, Supporting Patent Owner
Subject Matter:	Automotive; EV Charging
Law Firm:	Carter Arnett
Service Provided:	IPR Declaration; Deposition
Court:	Patent Trial and Appeal Board
Case No:	IPR2022-01217
Parties Involved:	Tesla, Inc., Petitioner; Charge Fusion Technologies, LLC, Patent Owner
Disposition:	Declaration Complete, September 2022

40. Type of Matter	Patent IPR, Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Volpe Koenig
Service Provided:	IPR Declaration
Court:	Patent Trial and Appeal Board
Case No:	IPR2022-00429
Parties Involved:	United Patents; Intellectual Ventures II, LLC, Patent Owner
Disposition:	Declaration Completed, November 2022

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41. Type of Matter	Patent IPR, Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Volpe Koenig
Service Provided:	IPR Declaration
Court:	Patent Trial and Appeal Board
Case No:	IPR2022-00709
Parties Involved:	Toyota Motor Corp., Petitioner; Intellectual Ventures II, LLC, Patent Owner
Disposition:	Declaration Completed, January 2023

42. Type of Matter	Patent Infringement; Supporting Plaintiff
Subject Matter	Automotive Telematics
Law Firm:	Kirkland & Ellis, LLP
Service Provided:	Claim Construction Support; Second declaration; Deposition
Parties Involved:	Omnitracs, LLC and XRS Corporation v. Platform Sciences, Inc.
Court:	Southern District of California
Case No:	CASE NO. 3:20-cv-0958-CAB-MDD
Disposition:	Completed, February 2023

43. Type of Matter	Patent Dispute, Supporting Patent Owner
Subject Matter:	Automotive; EV Charging
Service Provided:	Claim Construction Declaration
Law Firm:	Carter Arnett
Court:	Patent Trial and Appeal Board
Parties Involved:	Tesla, Inc., Petitioner; Charge Fusion Technologies, LLC, Patent Owner
Case No:	IPR2023-00062
Disposition:	Declaration Completed, February 2023

44. Type of Matter	Patent IPR, Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Volpe Koenig
Service Provided:	IPR Declaration
Court:	Patent Trial and Appeal Board; Deposition
Case No:	IPR2022-00857
Parties Involved:	Toyota Motor Corp., Petitioner; Intellectual Ventures II, LLC, Patent Owner
Disposition:	Completed, February 2023

45. Type of Matter	Patent IPR, Supporting Petitioner (Foursquare)
Subject Matter:	Targeted Marketing/Wireless Messaging
Law Firm:	Barnes & Thornburg, LLP
Service Provided:	IPR Declaration for two patents
Court:	Patent Trial and Appeal Board
Case No:	IPR2023-00918/19
Parties Involved:	Foursquare Labs, Inc. v. BoardActive Corporation
Disposition:	IPRs Completed, May 2023; Both instituted Dec. 2023

46. Type of Matter	Patent Dispute; Supporting Patent Owner
Subject Matter	Consumer Electronics
Service Provided	Claim Construction Declaration; Deposition; In-person Technical Tutorial

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Law Firm	Fried Frank
Court	U.S District Court, Northern District of CA, Oakland Div.
Case No.	4:19-CV-01315-JSW
Parties Involved	Cellwitch Inc. v. Tile, Inc.
Disposition	Ongoing

47. Type of Matter	Patent Dispute; Supporting Defendant, Charter Communications
Subject Matter	Telecommunications Service Provider
Service Provided	Invalidity Expert for 6 patents; Expert report; Deposition
Law Firm	Arnold & Porter
Court	U.S. District Court, Eastern District of Texas, Marshall Div.
Case No.	2:22-cv-00125-JRG
Parties Involved	Entropic Communications, LLC v. Charter Communications, Inc.
Disposition	Favorably settled; Dec. 2023

48. Type of Matter:	Patent IPR, Supporting Patent Owner
Subject Matter:	Automotive; EV Charging
Law Firm:	Carter Arnett
Service Provided:	IPR Declaration; Patent Owner Response; Deposition
Court:	Patent Trial and Appeal Board
Case No:	IPR2023-00062
Parties Involved:	Tesla, Inc., Petitioner; Charge Fusion Technologies, LLC, Patent Owner
Disposition:	Declaration Complete, August 2023

49. Type of Matter:	Patent IPR, Patent Owner Response
Subject Matter:	Automotive; EV Charging
Law Firm:	Carter Arnett
Service Provided:	IPR Declaration, Deposition
Court:	Patent Trial and Appeal Board
Case No:	IPR2023-00063
Parties Involved:	Tesla, Inc., Petitioner; Charge Fusion Technologies, LLC, Patent Owner
Disposition:	Declaration Complete, September 2023

50. Type of Matter:	Patent Dispute; Supporting Plaintiff
Subject Matter:	Automotive; Telematics
Law Firm:	Kirkland & Ellis LLP
Court:	International Trade Commission
Services Provided	3 patents, Infringement, Invalidity Rebuttal reports; Deposition
Parties Involved:	Samsara Inc. v. Motive Technologies, Inc.
Case No.	337-TA-1393
Disposition:	ITC Hearing, Nov.14-20, 2024

51. Type of Matter:	Patent Dispute; Supporting Plaintiff
Subject Matter:	Location Services
Law Firm:	Wilson Sonini Goodrich & Rosati
Court:	U.S. District Court, District of Delaware
Case No:	1:23-cv-00055-CFC
Parties Involved:	SZ DJI Technology Co. Ltd. v. Textron Specialized Vehicles Inc.
Disposition:	Completed February 2024

52. Type of Matter:	Patent Infringement; Supporting Patent Owner
Subject Matter:	Communications
Law Firm:	Rozier Hardt McDonough PLLC
Service Provided:	Declaration; Regarding the Meaning of Certain Terms in the Asserted Patents
Court:	Western District of Texas, Waco Division
Case No:	Civil Action No. 6:23-CV-00623-ADA; Civil Action No. 6:23-CV-00682-ADA
Parties Involved:	Fleet Connect Solutions, LLC v. Rivian/Peloton
Disposition:	Completed October 2024

53. Type of Matter:	Corporate Dispute; Supporting Defendants
Subject Matter:	Consumer Electronics
Law Firm:	Rutan & Tucker, LLP
Court:	U.S. District Court, Central District of California
Case No.	8:23-cv-01709-CBM-DFM
Parties Involved:	Hyundai Motor Company, et al., v Hyundai Technology Group, Inc.,et al.
Disposition:	Ongoing

54. Type of Matter:	Patent Infringement; Supporting Patent Owner
Subject Matter:	Communications
Law Firm:	Rozier Hardt McDonough PLLC
Service Provided:	Declaration; Regarding the Meaning of Certain Terms in the Asserted Patents
Court:	Western District of Texas, Waco Division
Case No:	Civil Action No. 6:24-cv-00116
Parties Involved:	Fleet Connect Solutions, LLC (Plaintiff) v. Enterprise Holdings, Inc. and Enterprise Fleet Management, Inc. (Defendants)
Disposition:	Completed October 2024

55. Type of Matter:	Patent IPR; Supporting Patent Owner
Subject Matter:	Automotive Communications
Law Firm:	Volpe Koenig
Service Provided:	IPR Declaration
Court:	Patent Trial and Appeal Board
Case No:	IPR2024-00109, IPR2024-00124
Parties Involved:	Lenovo Petitioner; Intellectual Ventures II, LLC, Patent Owner
Disposition:	Ongoing

PUBLICATIONS

1. "Bit Error Rate Performance of a A DS/DPSK Spread Spectrum Receiver", S.H. Goldberg and R.A. Iltis, Proceedings of MILCOM, 1985;

2. "Joint Interference Rejection / Channel Equalization in DS Spread Spectrum Using the CMA Equalizer and Maximum Likelihood Techniques", R.A. Iltis and S.H. Goldberg, Proceedings of MILCOM, 1987;

3. "PN Code Synchronization Effects on Narrowband Interference Rejection in a Direct-Sequence Spread Spectrum Receiver," R.A. Iltis and S.H. Goldberg, IEEE Transactions on Communications, 1988;

4. "A single processor packet radio modem for land mobile vehicle tracking applications," G. Kremer, J. MacKnight, R. Lao, and S. Goldberg, Signals, Systems and Computers, 1994, 1994 Conference Record of the Twenty-Eighth Asilomar Conference;

5. "Separation and bearing estimation of co-channel signals," B.J. Sublett, R.P. Gooch, S.H. Goldberg, Proceedings of MILCOM 1989;

6. "A DS spread spectrum RAKE receiver with narrowband interference rejection capability: operation in fading channels," R.A. Iltis, and S.H. Goldberg, S.H. Proceedings of MILCOM 1989

EDUCATION

Ph.D.E.E., Dept. of Electrical and Computer Engineering, University of California, Santa Barbara, CA, 1988
Dissertation Subject Area: Signal Processing for Broadband Communications; strong background in adaptive filtering, communications systems architectures, and statistical signal processing
M.S.E.E., B.S.E.E., Washington University, Saint Louis, Missouri, 1975, 1980
Major areas of study included RF design and communications theory

PATENTS

Patent	Date	Description
5,742,509	4/21/1998	Personal tracking system integrated with base station
4,410,949	10/18/1983	Controller for fuel dispenser

ACTIVITIES - PERSONAL

- Advisor, Alcatraz.ai, Palo Alto, CA; AI-based Security Access Control; January 2018-Present
- Advisor, Bruviti, Campbell, CA; AI-based S/W for Enterprise Industrial Maintenance/Triage; March 2020-Present
- Advisor, Accern, New York, NY; AI-based Enterprise Support; September 2020-Present
- Board Member, Sidework (fka Backbar), San Diego, CA, Representing Finistere Ventures, 2022-Present
- Board Member, Growers Edge, Johnston, IA, Representing Finistere Ventures, 2022-October 2024
- Board Member, CropX, Netanya, Israel, Representing Finistere Ventures, 2022-Present
- Board Observer, Taranis, Aviv-Yafo, Israel, Representing Finistere Ventures, 2022-Present
- Independent Board Member; Chairman, Compensation Committee; SolidPower (NASD:SLDP): Louisville, Colo.; Sept. 2019 – Present
- Independent Board Member, Savari Networks, Santa Clara, CA; April 2016- December 2020
- Venture Partner, Fusion Fund, Palo Alto, California; June 2020 – August 2021
- Engineering Consultant, Hi Fidelity Genetics, Durham, N.C.; September 2020 – September 2021
- Mentor, Silicon Valley Forum International Programs; 2018-2019
- Board Observer/Board Member/Past Chairman; SVForum, January 2014-May 2018
- Dean's Executive Professor, Santa Clara University, Leavey School of Business, Fall 2015
- National Judge, Ernst and Young 2013/2014/2015 Entrepreneur of the Year Award
- National Judge, VCIC, 2015 (Global MBA student VC competition)

STEVEN H. GOLDBERG

- National Judge, FLoW, 2015 (DOE sponsored Cleantech competition)
- Life Senior Member IEEE; 1994 President IEEE Santa Clara Valley Communications Society
- Adjunct Professor, Electrical Engineering Dept; Santa Clara University, 1990
- Visiting Faculty, Elec. Eng. Dept.; U.C. Santa Barbara, 1985
- Lifetime CA Community College Instructor Credential in Engineering
- Amateur Radio Extra Class License WQ6L
- German language proficiency
- U.S. Soccer Federation Referee; NISOA/NCAA Soccer Referee
- 1996 U.S. Figure Skating Association Masters Pairs Champion, Lake Pacid, New York.
- Married (Monica), Two children (Aren, 30 and Jennifer, 27)