PROFESSIONAL SUMMARY

Currently a Registered Professional Engineer (#79454) and recognized as an inventor on 31 US and a number of foreign patents, I am President of McAlexander Sound, Inc., and the Managing Director of McAlexander Sound Pte Ltd. I have focused my expertise to support a number of clients in product, process, and operations analysis and investigation. Forty-eight years of experience in microcircuit and semiconductor technologies has developed my skills in areas of circuit design and analysis, device fabrication and assembly, testing, marketing, control system design and analysis, manufacturing operations and respective areas of quality, reliability, and defect / failure analysis. I am also the President and CEO of MDFHoldings, Inc., an IP holding company currently engaged in the field of GPS Tracking, and was formerly, among others, a Manager with QM Partners, LP, supporting clients in IP management and licensing. I have:

- designed and managed development, testing, and evaluation of devices including Dynamic Random Access Memories (DRAMs), Static Random Access Memories (SRAMs), Charge Coupled Devices (CCDs), Shift Registers (SRs), and functional circuits including I/O buffers for address and data, decoders, clocks, sense amplifiers, fault tolerant, parallel-to-serial data paths for video applications, level shifters, converters, pumps, and logic, as well as wireless communication systems and MEMs applications;

- managed operations including engineering, training, and quality assurance for device fabrication, assembly, test, analysis, and reliability assessment, as well as manufacturing control, each of which involved both volatile and non-volatile memory; testing, analysis, and control involving use of mechanical calibration and measuring equipment, including optical, scanning e-beam, IR, capacitive, and laser using phase contrast and Fast Fourier Transform (FFT) for High Aspect Ratio Inspection (HARI) applications; audio and video system design and installation;

- taught courses in solid state device physics, integrated circuit design, integrated circuit fabrication, and statistical control;

- provided expert services, investigating both process and design technologies of various devices (microprocessor and controller, memory, programmable logic, card, tag, module, mixed signal, custom, and other), systems (PC and peripheral, computer, control, laser measurement, switch, architecture, software, and other), and consumer products (medical, TV, telephone, VCR, facsimile, copier, lighting, game, and other);

- provided nuclear radiation hardness testing services for military and space clients; and

- managed the design and installation of audio sound and video systems for private and commercial enterprises.

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PROFESSIONAL SUMMARY

From 1986-1990, I was Executive Vice President of EPI Technologies, Inc., prior to joining the staff at Cochran Consulting, Inc. where I served as senior managing consultant from 1991-2002. From 1972 to 1986, I was employed by Texas Instruments Incorporated.

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EXPERIENCE PROFILE

1988-present **McAlexander Sound, Inc. (McASI)** - Richardson, TX
President

- o System, Product, and Process investigation, expert witness services for protection of intellectual property;
- o Patent portfolio development and valuation;
- o Product liability and insurance claim investigation, expert witness services for matters involving such claims;
- o Quality Systems consulting and engineering;
- o Radiation Hardness Testing Technical Representative;
- o Acoustic system design/installation
- o Technical Advisor in High Aspect Ratio and Surface Contour Measurement using Direct-to-Digital Holography.

2005-present **McAlexander Sound Pte Ltd** - Singapore
Managing Director

- o System, Product, and Process investigation, expert witness services for protection of intellectual property;
- o Patent portfolio development and valuation;
- o Contract consultation;
- o Not assigned any patents and is not engaged in any IP related licensing or litigation activities.

2002-present **MDFHoldings, Inc.** – Las Vegas, NV
CEO

- o IP holding and licensing company;
- o Assigned U.S. Patent Nos. 7,340,260 and 7,657,265 and EP 1 557 058 B1, each related to an object locating system;
- o Has not been and is not engaged in any IP related litigation or licensing activities.

2006-2020 **QM Partners, L.P.** – Texas
Manager

- o Management of development, licensing, prosecution and exploitation of assigned intellectual property;
- o Not assigned any patents and is not engaged in any IP related licensing or litigation activities.

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EXPERIENCE PROFILE (continued)

2006-2020 **Guardian Technologies, LLC** – Texas
Manager

o IP holding and licensing company;
o Litigated U.S. Patent No. 5,657,076 related to security surveillance 2009-2011 (patent expired 2015);
o Assigned U.S. Patent No. 8,334,775 related to RFID tracking (reassigned 2020 to personal);
o Not engaged in any IP related licensing or litigation activities.

2006-2020 **Appropriate Holdings, LLC** – Delaware
Manager

o IP holding company;
o Not assigned any patents, has not been and is not engaged in any IP related licensing or litigation activities.

1996-2010 **RMC Management, LLP** - Plano, TX
Partner

o Asset management.

1991-2002 **Cochran Consulting, Inc. (CCI)** - Richardson, TX
Managing Consultant

o System, Product, and Process investigation, expert witness services for protection of intellectual property;
o Design, process, and product reliability;
o Defect and failure analysis.

1986-Nov'90 **EPI Technologies, Inc.** - Richardson, TX
Executive Vice President and Company Officer

o Managed Advanced Technology Div., QA, and Engineering, including software program development;
o Developed strategic, space/energy market growth plans;
o Negotiated the acquisition of and managed a radiation company;
o Designed and managed physical analysis, radiation effects, and environmental stress laboratories, including optical and e-beam measurement;
o Achieved > 30% annual revenue growth and profitability for each laboratory the first 12 months;

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EXPERIENCE PROFILE (continued)

o Product and Process investigation services for protection of intellectual property.

1972 – 1986 **Texas Instruments, Inc.** - Dallas/Houston, TX; Singapore

'84 - '86 **Quality/Reliability Assurance Manager, TI Dallas** Advanced DRAM semiconductor wafer fabrication facility

o Developed/implemented on-line, computerized SPC software tools for dimensioning analysis and control and pattern recognition;
o Coordinated people development, design-of-experiments;
o Managed chemical and physical analysis laboratories;
o Implemented control systems to assure product, process, material, equipment, and facility compliance, including Cost of Quality analysis.

'82 - '84 **Quality/Reliability Assurance and Engineering Manager**, **TI Singapore** assembly/test facility

o Developed, implemented, and operated an effective Quality/Reliability Assurance program for assembly processing including optical pattern recognition for equipment registration;
o Supervised 225 people for 7 day/week operation, including QRA, Computer Systems software development, and Training;
o Trained engineers in Solid State Physics, device fabrication, and statistical process control.

'81 - '82 **Engineering Operations Manager**, **TI Houston**

o Managed DRAM memory product cost center;
o Responsible for division test software generation, product assembly and test quality / yield, cost reduction and quality improvement;
o Provided technical customer interface for marketing;
o Coordinated TI Singapore engineering test/assembly.

'79 - '81 **Product Engineering Manager**, **TI Houston**

o Responsible for yield improvement, technical customer interface, quality improvement, design evaluation, and device characterization for DRAM and CCD products;
o Developed device specifications and test software.

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EXPERIENCE PROFILE (continued)

'72 - '79 **Design Section Manager / Engineer**, **TI Houston**

o Responsible for design and development, process compatibility, production introduction of Dynamic Ram products;
o Activities included electrical and physical layout, SPICE model simulation, test program generation, and product implementation for MOS Dynamic Ram products.

1969 - 1972 **U. S. Army** - Coventry, Rhode Island; Seoul, Korea
Captain, Air Defense Artillery

o Served one year as Communications Officer in Korea;
o Served two years as Tactical Officer, New England Defense.

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ORGANIZATIONS, PUBLICATIONS, EDUCATION

PROFESSIONAL ORGANIZATIONS AND AWARDS

1 - Institute of Electrical and Electronics Engineers, Inc. (IEEE), Senior Member. Societies: Computer, Electron Devices, Solid State Circuits
2 - Licensing Executives Society (LES)
3 - National Society of Professional Engineers
4 - Texas Board of Professional Engineers, Registered License #79454
5 - Society of Flight Test Engineers
6 - American Society of Civil Engineers
7- Architectural Engineering Institute
8 - 2000/2001 Nationwide Register's Who's Who in Executives and Businesses
9 - 1996/1997 Strathmore's Who's Who Registry of Business Leaders

PUBLICATIONS

1- NUS Proceedings of Engineering Convention '83, Aug '83, pgs. 139-142, The Memory Challenge.

2- Archives of Biochemistry and Biophysics, Dec'81, Vol. 212, No. 2, Equilibrium Constants under Physiological Conditions for the Reactions of D-3-Phosphoglycerate Dehydrogenase and L-Phosphoserine Aminotransferase.

3- International Electron Devices Meeting, Dec '79, pgs. 355-357, Sub 100ns 16K x 1 MOS Dynamic RAM Using a Grounded Substrate.

EDUCATION PROFILE

1980 - 1985	Taught Solid State Device Physics, Semiconductor Processing, Circuit Design Techniques, and Statistical Quality Control Methods Effectiveness Training and Japanese Manufacturing Techniques, Participative Problem Solving courses
1975 - 1976	1.5 years Graduate Study in Neural Science, the University of Texas Graduate School of Biomedical Science
1965 - 1969	BSEE, North Carolina State University

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PATENTS (US-31, Foreign-8)

4,239,993	(1980) High Performance Dynamic Sense Amplifier with Active Loads
4,280,070	(1981) Balanced Input Buffer Circuit for Semiconductor Memory
4,288,706	(1981) Noise Immunity in Input Buffer Circuit for Semiconductor Memory
4,370,575	(1983) High Performance Dynamic Sense Amplifier with Active Loads
4,418,293	(1983) High Performance Dynamic Sense Amplifier with Multiple Column Outputs
4,533,843	(1985) High Performance Dynamic Sense Amplifier with Voltage Boost for Row Address Lines
4,543,500	(1985) High Performance Dynamic Sense Amplifier Voltage Boost for Row Address Lines
4,543,501	(1985) High Performance Dynamic Sense Amplifier with Dual Channel Grounding Transistor
4,748,349	(1988) High Performance Dynamic Sense Amplifier with Voltage Boost for Row Address Lines
6,172,640 B1	(2001) Pet Locator
6,236,358 B1	(2001) Mobile Object Locator
6,421,001 B1	(2002) Object Locator
6,441,778 B1	(2002) Pet Locator
6,480,147 B2	(2002) Portable Position Determining Device
6,518,919 B1	(2003) Mobile Object Locator
6,771,213 B2	(2004) Object Locator
6,859,171 B2	(2005) Mobile Object Locator

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PATENTS (continued)

7,113,126 B2	(2006) Portable Positioning Determining Device
7,179,674 B2	(2007) Bi-Directional Released-Beam Sensor
7,209,075 B2	(2007) Mobile Object Locator
7,324,044 B2	(2008) Object Locator
7,336,227 B2	(2008) Portable Position Determining Device
7,340,260 B2	(2008) System and Method for Tracking the Location of Multiple Mobile Radio Transceiver Units (assigned to MDFHoldings, Inc.)
7,353,706 B2	(2008) Weighted Released-Beam Sensor
7,397,097 B2	(2008) Integrated Released Beam Layer Structure Fabricated in Trenches and Manufacturing Method Thereof
7,564,405 B2	(2009) Object Locator
7,657,265 B2	(2010) System and Method for Tracking the Location of Multiple Mobile Radio Transceiver Units (assigned to MDFHoldings, Inc.)
7,760,137 B2	(2010) Portable Positioning Determining Device
7,764,228 B2	(2010) Portable Positioning Determining Device
7,989,906 B2	(2011) Bi-Directional released-Beam Sensor
8,334,775 B2	(2012) RFID-Based Asset Security and Tracking System, Apparatus and Method (assigned to personal)
JP 55-053640 B4	(1980) Defect Resistant Semiconductor Memory Cell
JP 59-044720 B4	(1984) Semiconductor High Speed Read/Write Memory Unit
DE2935121 C2	(1980) Clock Voltage Generator for Semiconductor Memory with Reduced Power Dissipation
DE3043651 A1	(1981) Clock Voltage Generator for Semiconductor Memory with Reduced Power Dissipation

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PATENTS (continued)

GB2032211 B2	(1980) High Performance Dynamic MOS Read/Write Memory
EP 1 557 058 B1	(2011) System and method for tracking the location of multiple mobile radio transceiver units (assigned to MDFHoldings, Inc.) [States: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR]
EP 1 676 809 B1	(2010) Weighted released-beam sensor [States: DE FR GB IT]
EP 1 676 810 B1	(2010) Bi-directional released-beam sensor [States: DE FR GB IT]

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CASES

Cases over at least the past 7 years, either active or closed, in which I have signed a Protective Order, have testified as an expert either at a trial, hearing, or deposition, or have submitted statements / opinions by declaration, affidavit, or report, are:

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Kangaroo Media* v. Immersion Entertainment (*firm: Kenyon & Kenyon)	2:12-cv-00382-JFC, 2:14-cv-01536-JFC	WD PA	2012 - 2016	P,t
(Audio/Video Entertainment System patent)				
Securus* v. Global (*firm: Gruber)	3:13-CV-03009-K	ND TX	2014 - 2017	P,t
(Patents related to telecom systems)				
Global v. Securus* (*firm: Gruber)	3:14-CV-0829-K, 3:13-CV-00713-JRS	ND TX / ED VA	2014 - 2017	P
(Patents related to telecom systems)				
Advanced Audio Devices* (*firm: Clark Hill PLC)	IPR2014-01155	USPTO PTAB	2014 - 2016	P,t
(Patent 7,289,393 related to music jukebox)				
Advanced Audio Devices* (*firm: Clark Hill PLC)	IPR2014-01156	USPTO PTAB	2014 - 2016	P,t
(Patent 7,817,502 related to a personal digital stereo player)				
Advanced Audio Devices* (*firm: Clark Hill PLC)	IPR2014-01157	USPTO PTAB	2014 - 2016	P,t
(Patent 7,933,171 related to a personal digital stereo player)				
Advanced Audio Devices* (*firm: Clark Hill PLC)	IPR2014-01158	USPTO PTAB	2014 – 2016	P,t
(Patent 8,400,888 related to a personal digital stereo player)				

[1] * = Client

[2] P=Patent, C=Contract, ©=Copyright, TS=Trade Secret, AT=Antitrust; CA=Class Action; t=testified, TH=Trial/Hearing

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
One-E-Way* v. Sony, Sennheiser, BlueAnt, Creative Tech, Beats, Jawbone, Jabra (*firm: Knobbe Marten, Olson & Bear)	337-TA-943	ITC (Pender)	2014 - 2018	P,t
(Patents related to bluetooth configured headphones)				
Omega* v. Calamp	6:13-cv-1950-Orl-31DAB	MD, FL	2015 - 2016	P,t,TH
(Patents related to vehicular control systems and tracking)				
AVM* v. Intel (*firm: Boies, Schiller & Flexner)	1:15-cv-00033-RGA	DE	2015 - 2016	P,t,TH
(Patent related to dynamic logic circuits)				
Allure Energy* v. Honeywell (*firm: McKool Smith)	1:15-cv-00079-RP	WDTX, Austin	2015 - 2017	P
(Smart Thermostat)				
IV* v. Toshiba (*firm: Desmarais)	13-cv-453-SLR-SRF	DE	2015 - 2017	P,t,TH
(NAND Flash)				
IMS v. Micron* (*Weil Gotchal/ Orrick)	1:14-cv-01480-RGA	DE	2015 - 2022	P,t
(Patents related to flash memory)				
Honeywell v. Allure* (*firm: Dickinson Wright)	IPR201501248, 01251,01253	USPTO PTAB	2015 - 2017	P
(Smart Thermostat)				
Blitzsafe* v Honda (*firm: Brown Rudnick)	2:15-cv-01274-JRG-RSP	EDTX, Marshall	2015 - 2017	P,t
(Patents related to audio device integration systems)				
Blitzsafe* v Hyundai (*firm: Brown Rudnick)	2:15-cv-01275-JRG-RSP	EDTX, Marshall	2015 - 2017	P,t
(Patents related to audio device integration systems)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Blitzsafe* v Nissan (*firm: Brown Rudnick)	2:15-cv-01276-JRG-RSP	EDTX, Marshall	2015 - 2017	P,t
(Patents related to audio device integration systems)				
Blitzsafe* v Toyota (*firm: Brown Rudnick)	2:15-cv-01277-JRG-RSP	EDTX, Marshall	2015 - 2017	P,t
(Patents related to audio device integration systems)				
Blitzsafe* v VW (*firm: Brown Rudnick)	2:15-cv-01278-JRG-RSP	EDTX, Marshall	2015 - 2017	P,t
(Patents related to audio device integration systems)				
3rd Eye Surveillance* v Stealth (*firm: Kennedy Law)	6:14-cv-00162 JDL	EDTX, Tyler	2015 - 2016	P
(Patents related to real-time image processing to response agency)				
3rd Eye Surveillance* v Vision Video (*firm: Kennedy Law)	6:14-cv-00161-JDL	EDTX, Tyler	2015 - 2016	P
(Patents related to real-time image processing to response agency)				
3rd Eye Surveillance* v Ft Worth / e-Watch (*firm: Kennedy Law)	6:14-cv-00725	EDTX, Tyler	2015 - 2017	P,t,TH
(Patents related to real-time image processing to response agency)				
3rd Eye Surveillance* v Uinted States (*firm: Kennedy Law)	1:15-cv-00501-CFL	Court of Federal Claims, DC	2015 -	P,t,TH
(Patents related to real-time image processing to response agency)				
Hitachi v TPV* (*firm: O'Melveny & Myers)	2:14-cv-1121-JRG-RSP	EDTX, Marshall	2015 - 2016	P
(Patent related to LCD power and signal board arrangement)				

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Nidec Motor v Broad Ocean Motor* (*firm: Locke Lord)	2:15-cv-00443	EDTX, Marshall	2016	P
(Patent related to blower motor control for HVAC)				
TracBeam* v T-Mobile (*firm: Dovel & Luner)	6:14-cv-678-RWS	EDTX, Tyler	2016	P,t
(Patents related to geographic location estimates)				
SMS v Emerson* (*firm: Davidson Berquist)	2:15-cv-00032-RWS-RSP	EDTX, Marshall	2016	P
(Patent related to a method of monitoring a protected space)				
Prong v Sorias* (*firm: Gottlieb, Rackman & Reisman)	IPR2015-01317	USPTO PTAB	2016	P
(Patent related to attachable mobile charger)				
Skyline Software Systems v Duane Morris* (*firm: Venable)	2015-08868	Circuit Court Fairfax County	2016	P
(3D mapping technology)				
SignalQuest v Oncque* (*firm: Duane Morris)	11-cv-00392-JL	NH	2016	P
(Patents related to vibration switches)				
TiVo v Samsung* (*firm: Fish & Richardson)	2:15-CV-1503	EDTX, Marshall	2016	P
(Patent related to multimedia signal processing)				
Richtek v uPi* (*firm: Hogan Lovells)	C 09-05659 WHA LB	NDCA, SF	2016	P
(Patents related to converter channel current balance and PWM circuit)				
Paice* v VW, Porsche, Audi (*firm: Fish & Richardson)	337-TA-998	ITC	2016 – 2017	P
(Patents related to hybid vehicle technology)				

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Biosonix v Hydrowave* (*firm: Bradley)	4:16-cv-00139-RC	EDTX, Sherman	2016 - 2017	P
(Patent related to underwater sound listening and generation)				
Univ of S FL* v Fujifilm (*firm: Dickinson Wright)	8:16-cv-01194-MSS-TGW	MDFL, Tampa	2017	P
(Patent related to Workstation Interface – Digital Mammography)				
Univ of S FL * v BRIT (*firm: Dickinson Wright)	8:16-cv-03109-MSS-TGW	MDFL, Tampa	2017	P,t
(Patent related to Workstation Interface – Digital Mammography)				
Nokia v Apple	337-TA-1038	ITC	2017	P
(Patent related to controllable bias mode oscillator)				
Univ of IL v Micron* (*firm: Fish & Richardson)	2:11-cv-02288-SLD-JAG	CDIL, Rock Falls	2017	P, C
(Patents and contract related to use of deuterium in semicondutor processing)				
ZiiLabs v AMD* (*firm: O'Melveny & Myers)	337-TA-1037	ITC-Shaw	2017	P
(Patents related to graphics processors)				
MTL* v Sandisk (*firm: Tensegrity)	337-TA-1034	ITC-Lord	2017	P,t
(Patents related to flash memory)				
Razberi v Dynacolor* (*firm: McDole Williams)	01-16-0003-3734	AAA	2017 - 2018	C,TS,t, TH
(Arbitration related to contractual obligations)				
Seed Spring* v Microsoft (*firm: Dovel)	6:17-cv-427-RWS	EDTX, Tyler	2017	P
(Patents related to Wirelss Location)				
TracBeam* v Microsoft (*firm: Dovel)	6:17-cv-426-RWS	EDTX, Tyler	2017	P
(Patents related to Wirelss Location)				

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
TracBeam* v Cisco (*firm: Dovel)	6:17-cv-525-RWS	EDTX, Tyler	2017 - 2018	P
(Patents related to Wirelss Location)				
Arris* v Sony (*firm: Fish & Richardson)	337-TA-1060	ITC-Lord	2017	P,t
(Patent related to Broadcast Signals)				
Vivint* v Alarm.com (*firm: Weil)	2:15-cv-00392-CW-BCW	UT	2017 - 2023	P,t
(Patents related to Electronic Message Delivery)				
Blitzsafe* v Bosch (*firm: Brown Rudnick)	2:17-cv-00105-JRG	EDTX, Marshall	2017 - 2019	P,t
(Patents related to audio device integration systems)				
Blitzsafe* v Daimler & Mercedes (*firm: Brown Rudnick)	2:17-cv-00422-JRG	EDTX, Marshall	2017 – 2019	P
(Patents related to audio device integration systems)				
Blitzsafe* v BMW (*firm: Brown Rudnick)	2:17-cv-00418-JRG	EDTX, Marshall	2017 - 2019	P
(Patents related to audio device integration systems)				
Blitzsafe* v Mazda (*firm: Brown Rudnick)	2:17-cv-00423-JRG	EDTX, Marshall	2017 - 2019	P
(Patents related to audio device integration systems)				
Blitzsafe* v Mitsubishi (*firm: Brown Rudnick)	2:17-cv-00430-JRG	EDTX, Marshall	2017 - 2019	P
(Patents related to audio device integration systems)				
Blitzsafe* v Subaru (*firm: Brown Rudnick)	2:17-cv-00421-JRG	EDTX, Marshall	2017 - 2019	P,t
(Patents related to audio device integration systems)				

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Blitzsafe* v Tata & Jaguar (*firm: Brown Rudnick)	2:17-cv-00424-JRG	EDTX, Marshall	2017 - 2019	P
(Patents related to audio device integration systems)				
Blitzsafe* v Volvo (*firm: Brown Rudnick)	2:17-cv-00420-JRG	EDTX, Marshall	2017 - 2019	P
(Patents related to audio device integration systems)				
AGIS* v Huawei (*firm: Brown Rudnick)	2:17-00513-JRG	EDTX, Marshall	2017 - 2018	P,t
(Patents related to Patents related to interactive remote communications)				
AGIS* v HTC (*firm: Brown Rudnick)	2:17-00514-JRG	EDTX, Marshall	2017 - 2019	P,t
(Patents related to Patents related to interactive remote communications)				
AGIS* v LG (*firm: Brown Rudnick)	2:17-00515-JRG	EDTX, Marshall	2017 - 2019	P,t
(Patents related to Patents related to interactive remote communications)				
AGIS* v Apple (*firm: Brown Rudnick)	2:17-00516-JRG	EDTX, Marshall	2017 - 2019	P,t
(Patents related to Patents related to interactive remote communications)				
AGIS* v ZTE (*firm: Brown Rudnick)	2:17-00517-JRG	EDTX, Marshall	2017 - 2019	P
(Patents related to Patents related to interactive remote communications)				
Arya v Dufossat* (*firm: Robert Sueiro)	4:16-cv-03595	SDYX, Houston	2017 -	TS,C,t
(Dispute related to Trade Secrets)				
Seven Networks v Samsung* (*firm: Fish & Richardson)	2:17-cv-00441-JRG	EDTX, Marshall	2017 - 2018	P,t
(Patents related to Power Management of Mobile Networks)				

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
ZF Micro Solutions* v. Tat Investment (*firm: Berger)	1-09-CV-134970	Santa Clara County	2018	C,t,TH
(Business tort, unfair practice)				
Univ of S FL* v Fujifilm (*firm: Dickinson Wright)	3:18-cv-00215-AVC	Connecticut	2018	P,t
(Patent related to Workstation Interface – Digital Mammography)				
Univ of S FL* v BRIT (*firm: Dickinson Wright)	3:18-CV-0250-K	NDTX, Dallas	2018 - 2019	P,t
(Patent related to Workstation Interface – Digital Mammography)				
Cypress Insurance v Hynix* (*firm: Bird Marella)	C17-467 RAJ	WDWA, Seattle	2018 - 2019	C,t,TH
(Contract dispute related to product delivery)				
Belliveau* v BARCO (*firm: McKool)	1:17-CV-00379-SS	WDTX, Austin	2018	C,t
(Patent portfolio liceinsing dispute)				
MPS* v Intersil (*firm: Perkins	16-1125-LPS	DE	2018 - 2021	TS,t
(Trade Secret dispute)				
GoGo v Squire Patton Boggs* (*firm: Cozen O'Connor)	2016-L-007789	Cook County, IL	2018 - 2019	P
(Patent Malpractice claim)				
X2Y* v Intel (*firm: Dovel)	3:18-cv-1394-HZ	DOR, Portland	2018 - 2020	P
(Patents related to package layer metalization)				
Power Integration* v ON Semi (*firm: Fish & Richardson)	5:16-cv-06371-BLF	NDCA, San Jose	2019	P,t
(Patents related to power converter regulation)				

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
ON Semi v Power Integration* (*firm: Fish & Richardson)	1:17-cv-00247-LPS-CJB	DE	2019	P,t
(Patents related to power converter regulation)				
Semcon* v Amazon (*firm: Brown Rudnick)	2:18-CV-00192-JRG	EDTX, Marshall	2019	P
(Patent related to Adaptive Power Control)				
Semcon* v Asustek (*firm: Brown Rudnick)	2:18-CV-00193-JRG	EDTX, Marshall	2019	P
(Patent related to adaptive power control)				
Semcon* v Kyocera (*firm: Brown Rudnick)	2:18-CV-00197-JRG	EDTX, Marshall	2019	P
(Patent related to adaptive power control)				
Innovation Sciences* v Amazon (*firm: Davidson Berquist)	4:18-cv-00474-ALM	EDTX, Sherman	2019 - 2020	P,t,TH
(Patent related to Internet communication)				
Innovation Sciences* v HTC (*firm: Davidson Berquist)	4:18-cv-00476-ALM	EDTX, Sherman	2019 - 2020	P,t
(Patent related to Internet communication)				
Innovation Sciences* v Resideo (*firm: Davidson Berquist)	4:18-cv-00475-ALM	EDTX, Sherman	2019 - 2020	P,t
(Patent related to Internet communication)				
Innovation Sciences* v Vector (*firm: Davidson Berquist)	4:18-cv-00477-ALM	EDTX, Sherman	2019	P
(Patent related to Internet communication)				

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
CXT* v JC Penny (*firm: Brown Rudnick)	2:18-cv-00171-RWS-RSP (lead) 2:18-CV-233-RWS-RSP	EDTX, Marshall	2019 - 2020	P,t
(Patents related to storage management and information distribution)				
Photonics* v Lenovo (*firm: Brown Rudnick)	1:18-cv-00489-MN	DE	2019	P
(Patents related to GDS-II Layout)				
Quest NetTech Corp* v Apple (*firm: Brown Rudnick)	2:19-CV-00118-JRG	EDTX, Marshall	2019 - 2020	P
(Patent related to programmable credit card system)				
Pilot, Inc.* v Schumacher (*firm: Bradford)	1:19-cv-05982-EEC	NDIL, Eastern Div	2019 - 2921	P
(Patents related to battery chargers)				
Vocalife* v Amazon (*firm: Brown Rudnick)	2:19-cv-00123-JRG	EDTX, Marshall	2019 - 2020	P,t,TH
(Patent related to microphone array)				
Semcon* v Vuitton (*firm: Brown Rudnick)	2:19-CV-00122-JRG	EDTX, Marshall	2019	P,t
(Patent related to adaptive power control)				
Semcon* v Shenzhen (*firm: Brown Rudnick)	2:18-CV-00196-JRG	EDTX, Marshall	2019	P,t
(Patent related to adaptive power control)				
Ultravision* v GoVision (*firm: Brown Rudnick)	2:18-cv-00100-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to modular display panels and LED lighting)				
Ultravision* v Shenzhen (*firm: Brown Rudnick)	2:18-cv-00103-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to modular display panels and LED lighting)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Ultravision* v Aoto (*firm: Brown Rudnick)	2:18-cv-00113-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to modular display panels and LED lighting)				
Ultravision* v Leyard (*firm: Brown Rudnick)	2:18-cv-00102-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to modular display panels and LED lighting)				
Ultravision* v NEC (*firm: Brown Rudnick)	2:18-cv-00150-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to Modular Display Panels and LED lighting)				
Ultravision* v Prismaflex (*firm: Brown Rudnick)	2:18-cv-00108-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to modular display panels and LED lighting)				
Ultravision* v Unilumin (*firm: Brown Rudnick)	2:18-cv-00116-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to modular display panels and LED lighting)				
Ultravision* v Yaham (*firm: Brown Rudnick)	2:18-cv-00118-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to modular display panels and LED lighting)				
Ultravision* v Absen (*firm: Brown Rudnick)	2:18-cv-00112-JRG-RSP	EDTX, Marshall	2019	P
(Patents related to modular display panels and LED lighting)				
Birchett* v City of Fort Worth (*firm: Kennedy Law)	DC-19-06941	Dallas County	2019	C,t
(Whistleblower)				
Innovation Sciences* v HTC (*firm: Davidson Berquist)	337-TA-1180	ITC	2020 - 2021	P,t
(Patent related to wireless communication)				

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Cases (continued)

CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Innovation Sciences* v Resideo (*firm: Davidson Berquist)	337-TA-1180	ITC	2020	P,t
(Patent related to Internet communication)				
CXT* v Neiman Marcus (*firm: Brown Rudnick)	2:19-cv-00270-RWS-RSP	EDTX, Marshall	2020	P
(Patents related to storage management and information distribution)				
CXT* v General Nutrition (*firm: Brown Rudnick)	2:19-cv-00271-RWS-RSP	EDTX, Marshall	2020	P
(Patents related to storage management and information distribution)				
CXT* v Steven Madden (*firm: Brown Rudnick)	2:19-cv-00272-RWS-RSP	EDTX, Marshall	2020	P
(Patents related to storage management and information distribution)				
Consolidated* v Amazon (*firm: Devlin Law)	1:19-cv-01715-RGA	DE	2020 – 2021	P,t
(Patents related to on-line shopping)				
Consolidated* v Ford (*firm: Devlin Law)	1:19-cv-01916-RGA	DE	2020 - 2021	P,t
(Patents related to on-line shopping)				
Consolidated* v JC Penney (*firm: Devlin Law)	1:19-cv-01918-RGA	DE	2020 - 2021	P,t
(Patents related to on-line shopping)				
Consolidated* v Ebay (*firm: Devlin Law)	1:19-cv-01580-RGA	DE	2020 - 2021	P,t
(Patents related to on-line shopping)				
Consolidated* v Walmart (*firm: Devlin Law)	1:19-cv-01581-RGA	DE	2020 - 2021	P,t
(Patents related to on-line shopping)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Semcon* v TCT Mobile (*firm: Brown Rudnick)	2:18-CV-00194-JRG	EDTX, Marshall	2020	P
(Patent related to adaptive power control)				
BNR v Samsung* (*firm: Fish & Richardson)	2:19-cv-00286-JRG	EDTX, Marshall	2020	P
(Patents related to portable communication devices)				
AGIS* v Google (*firm: BRudnick, Fabricant)	2:19-cv-00361-JRG	EDTX, Marshall	2020 - 2022	P,t
(Patents related to interactive remote communications)				
AGIS* v Waze (*firm: BRudnick, Fabricant)	2:19-cv-00359-JRG	EDTX, Marshall	2020 - 2022	P,t
(Patents related to interactive remote communications)				
Burke* v City of Fort Worth (*firm: Kennedy Law)	DC-19-07239	Dallas County	2020 -	C,t
(Whistleblower)				
Infinera v Oyster Optics* (*firm: Davidson Berquist)	IPR2020-00325	PTAB	2020	P,t
(Patent related to fiber optic telecommunications)				
Blitzsafe* v GM (*firm: Fabricant)	2:19-cv-00377-JRG	EDTX, Marshall	2020	P,t
(Patents related to audio device integration systems)				
Blitzsafe* v FCA (*firm: Fabricant)	2:19-cv-00378-JRG	EDTX, Marshall	2020	P,t
(Patents related to audio device integration systems)				
Kuster v Western Digital* (*firm: Shearman & Sterling)	6:20-cv-00563	WDTX, Waco	2020 -	P,t
(Patent related to memory stack storage)				
TruSun* v Eaton (*firm: Duane Morris)	6:19-cv-00656-ADA	WDTX, Waco	2020 - 2022	P,t
(Patent related to a light-generating system)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
RJR v PMI* (*firm: Latham Watkins)	1:20-cv-00393-LO-TCB	EDVA, Alexandria	2020 - 2022	P,t,TH
(Patents related to e-cigarette controls)				
Koss* v Apple et al (*firm: K L Gates)	6:20-cv-00665	WDTX, Waco	2020 - 2022	P,t
(Patents related to Wireless Headphones)				
Koss* v Bose (*firm: K L Gates)	6:20-cv-00661	WDTX, Waco	2020 -	P
(Patents related to Wireless Headphones)				
Ipcom v Sprint et al (Nokia*) (*Alston Bird)	2:20-cv-321	EDTX, Marshall	2020 – 2022	P
(Patents related to CDMA communication)				
Ipcom v Verizon et al (Nokia*) (*Alston Bird)	2:20-cv-323	EDTX, Marshall	2020 - 2022	P
(Patents related to CDMA communication)				
Pilot* v CarKu (*firm: Bradford / Sheridan)	7131799991	Amazon Arbitration	2020	P,t
(Patent related to jump starters)				
MPS* v Meraki (*firm: Perkins Coie)	6:2020cv00876-ADA	WDTX, Waco	2020 - 2022	P,TS,C
(Patents related to synchronous rectifier control)				
AGIS* v Uber (*firm: Fabricant)	2:21-cv-00026-JRG-RSP)	EDTX, Marshall	2021	P
(Patents related to interactive remote communications)				
AGIS* v WhatsApp (*firm: Fabricant)	2:21-cv-00029-JRG-RSP)	EDTX, Marshall	2021	P
(Patents related to interactive remote communications)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
One E-Way* v Apple (*firm: Knobbe Martin)	2:20-cv-06339-JSK-PD	CDCA	2021 - 2023	P,t
(Patent related to Bluetooth Headphones)				
BMW v Omega Patents* (*firm: Allen Dyer)	IPR2021-00181	PTAB	2021 -	P,t
(Patent related to remote start)				
Pilot* v The NOCO Co (*firm: Bradford / Sheridan)	2:20-cv-01452-SRB	AZ	2021 -	P,t
(Patents related to auto chargers)				
Express Mobile* v Atlassian (*firm: Mololamken)	6:20-cv-00805-ADA	WDTX, Austin	2021 -	P
(Patents related to browser-based web site generation)				
AGIS* v Lyft (*firm: Fabricant)	2:21-cv-00024-JRG-RSP	EDTX, Marshall NDCA	2021 - 2022	P
(Patents related to interactive remote communications)				
AGIS* v T-Mobile (*firm: Fabricant)	2:21-cv-00072-JRG-RSP	EDTX, Marshall	2021	P
(Patents related to interactive remote communications)				
Altria* v RJR (*firm: Weil Gotshal)	1:20-cv-00472	MDNC	2021 - 2022	P,t,TH
(Patents related to e-cig)				
Altria* v RJR (*firm: Weil Gotshal)	IPR2021-00650 IPR2021-00652 IPR2021-00725 IPR2021-00744 IPR2021-00745 IPR2021-00746 IPR2021-00747 IPR2021-00793	PTAB	2021 - 2022	P,t,TH
(Patents related to e-cig control)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
One E-Way* v Apple (*firm: Knobbe Martin)	IPR2021-00283 IPR2021-00286	PTAB	2021 - 2022	P,t
(Patent related to Bluetooth Headphones)				
Kiwi Connection* v Anker (*firm: Bradford)	8519300821	Amazon Arbitration	2021	P,t
(Patent related to bidirectional connector)				
Kiwi Connection* v JBL (*firm: Bradford)	8674855301	Amazon Arbitration	2021	P,t
(Patent related to bidirectional connector)				
Platform Science v Omnitracs* (*firm: Kirkland & Ellis)	IPR2020-0187 IPR2020-1517 IPR2020-1518	PTAB	2021 – 2022	P,t
(Patent related to critical event reporting)				
Netlist v Samsung* (*firm: Bird Marella)	8:20-cv-993-MCS	CDCA, Southern	2021	C,t
(Contract dispute)				
Monterey Research* v (*firm: Desmarais)	IPR 2021-00119 IPR 2021-00120 IPR 2021-00172	PTAB	2021 - 2022	P,t
(Patents related to semiconductor processing)				
Apple / Bose v Koss* (*firm: K L Gates)	IPR2021-00255 IPR2021-00297 IPR2021-00305 IPR2021-00381 IPR2021-00592	PTAB	2021 - 2022	P,t
(Patents related to Wireless Headphones)				
Vocalife* v Amazon2 (*firm: Fabricant)	2 :20-cv-00401-JRG-RSP	EDTX, Marshall	2021 - 2023	P,t
(Patent related to microphone array)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Vocalife* v Google (*firm: Fabricant)	2 :21-cv-00124-JRG-RSP	EDTX, Marshall	2021 - 2023	P,t
(Patent related to microphone array)				
Luxshare* v Amphenol (*firm: K L Gates)	IPR2022-00132	PTAB	2021 - 2022	P,t
(Patent related to high performance connector)				
Vervain v Micron* (*firm: Orrick)	6:20-cv-487-ADA	WDTX, Waco	2021 - 2023	P,t
(Patents related to MLC & SLC endurance)				
Express Mobile* v Dropbox (*firm: Mololamken)	3:21-cv-01145	NDCA	2021 -	P
(Patents related to browser-based web site generation)				
Lexmark v Universal Imaging* (*firm: Allen Dyer)	8:18-cv-1047-T-17AEP	MDFL, Tampa	2021 - 2023	P
(Patents related to printer cartridge authentication)				
Pilot* v The NOCO Co (*firm: Bradford / Sheridan)	IPR2021-00777 IPR2021-01232 IPR2023-00167 IPR2023-00810	PTAB	2021 -	P,t
(Patents related to auto chargers)				
Delta T* v MacroAir (*firm: Latham/VedderPrice)	5:20-cv-00728-GW-GJS	CDCA, LA	2022 - 2023	P
(Patents related to fan sensors and control)				
MPS* v Dong & Sheng (*firm: Perkins Coie)	4 :20-cv-6752-JSW	NCCA, Oakland	2022 - 2023	P, TS
(Patents related to synchronous rectifier control)				
Vocalife* v Sonos (*firm: Fabricant)	2 :21-cv-00129-JRG	EDTX, Marshall	2022	P,t
(Patent related to microphone array)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Vocalife* v Bose (*firm: Fabricant)	2 :21-cv-00128-JRG	EDTX, Marshall	2022	P,t
(Patent related to microphone array)				
Enovsys* v T-Mobile (*firm: Eichmann)	2:21-cv-00368-JRG	EDTX, Marshall	2022	P,t
(Patents related to precise location determination and secure disclosure)				
Enovsys* v Verizon (*firm: Eichmann)	2:21-cv-00315-JRG-RSP	EDTX, Marshall	2022	P,t
(Patents related to precise location determination and secure disclosure)				
Lyft v AGIS* (*firm: Fabricant)	5 :21-cv-04653-BLF	NDCA, San Jose	2022 - 2023	P
(Patents related to interactive remote communications)				
Vocalife* v Amazon (*firm: Fabricant)	IPR2021-01331	PTAB	2022	P,t
(Patent related to microphone array)				
MPS* v Meraki (*firm: Perkins Coie)	4:22-cv-01986 JSW	NDCA, Oakland	2022 - 2023	P,TS,C
(Patents related to synchronous rectifier control)				
Signode v Polychem* (*firm: Latham)	1 :22-cv-00519-UNA	DE	2022 -	P
(Patents related to a strapping apparatus)				
Pilot* v Hulkman (*firm: BRADFORD)	10427111251	Amazon Arbitration	2022	P,t
(Patent related to jump starters)				
Netlist v Samsung* (*firm: Fish & Richardson)	2:21-cv-463	EDTX, Marshall	2022 -	P
(Patents related to DIMM DDR3 signal timing, power management, and rank multiplication)				
Orange* v Autel (*firm: Sughrue Mion)	2 :21-cv-240	EDTX, Marshall	2022 - 2023	P
(Patent related to Tire Pressure Monitoring Systems)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Bell Power v MPS* (*firm: Perkins Coie)	6 :21-cv-00655-ADA	WDTX, Waco	2022 -	P
(Patents related to power converter/regulator control)				
VPR v Jupiter* (*firm: Noroozi PC)	2:20-CV-02185-DJH	AZ	2023 -	P
(Patent related to electronic vape device with air flow sensor)				
Multimodal* v Guangdong (*firm: Fabricant)	2:21-cv-00436-JRG-RSP	EDTX, Marshall	2023 -	P
(Patents related to communication over a network, call completion)				
Multimodal v ZTE (*firm: Fabricant)	2:21-cv-00437-JRG-RSP	EDTX, Marshall	2023 -	P
(Patents related to communication over a network, call completion)				
Entropic* v Charter Communications et al. (*firm: K L Gates)	2 :22-cv-00125-JRG	EDTX, Marshall	2022 -	P
(Patents related to modems and broadband content distribution)				
Oasis Tooling* v Global Foundries U.S. (*firm: Kramer Levin)	22-00312-CJB	DE	2022 -	P
(Patents related to chip design process workflow)				
Oasis Tooling* v Siemens Industry Software (*firm: Kramer Levin)	22-00151-CJB	DE	2022 -	P
(Patents related to chip design process workflow)				
AGIS* ITC (*firm: Fabricant)	337-TA-1347	ITC	2023	P
(Patents related to Location-Sharing Systems)				
Monterey* v Nanya (*firm: Desmarais)	19-2090-NIQA-LAS	DE	2023 – 2024M	P
(Patents directed to semiconductor technology)				

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CASE[1]	CASE NUMBER	LOCATION	YEAR	TYPE[2]
Geotab v Omega* (*firm: Allen Dyer)	IPR2023-00504	PTAB	2023	P
(Patent related to vehicle tracking)				
Adv Lighting Concepts* v mate (*firm: Munsch)	IPR2023-01264	PTAB	2023 -	P
(Patent related to LED drivers)				
SitePro* v Waterbridge (*firm: Perkins Coie)	6:23-cv-00115-ADA-DTG	WDTX, Waco	2023 -	P,TS,C
(Patents and Trade Secrets related to remote delivery control)				
Nanya v Monterey* (*firm: Botos Churchill)	EPR 6,825,526C1 EPR 6,680,516	USPTO	2023 -	P
(Patents directed to semiconductor technology)				
ICPillar* v ARM (*firm: Eichmann)	6_23-cv-00115-ADA-DTG	WDTX, Austin	2023 -	P
(Patents related to computer method for IC design)				
GoTV Streaming v Netflix* (*firm: Wilkie Farr)	EPR 8478245 EPR 8989715	USPTO	2023 -	P
(Patent related to rendering content on a wireless device)				
Greenthread v MPS* (*firm: Perkins Coie)	23-579-RGA	DE	2024 -	P
(Patents related to semiconductor structure with graded doping)				

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I have worked with other clients in various areas of my expertise, including "system, product, and process investigation," "patent valuation," "product liability and insurance claim investigation," "quality systems consulting and engineering," and "IP licensing." This work generally relates to patents and may involve analysis of products either defensively or offensively. In no case does any of the work involve design of circuits, processes, packaging, software, or systems.

Non-confidentially, I have represented a radiation effects testing company, ICS Radiation Technology. Further, I have worked with investment companies, such as Hatcreek Partners, reviewing potential investment opportunities, and have participated as a technical advisor to nLine Corporation, a company that developed a product for semiconductor wafer inspection using holographic High Aspect Ratio Inspection (HARI) technology. Work associated with each of these matters occurred more than 10 years ago.

These and other non-confidentially related companies are:

The Aspire International Foundation (2019-present)
- Partner;
- Rediscovering and redefining identity and purpose through experiential equine learning programs;
- Not assigned any patents and not engaged in any IP related activities.

Casualty Consulting Group of America (2013-present)
- Partner;
- Assessment of structural damage caused by extreme weather events;
- Not assigned any patents and not engaged in any IP related activities.

VCSY (2013-2020)
- Advisory board Member;
- Technology related to encrypted communication.

Bethel Cannon Group / Bethel Cannon Holdings (2011-present)
- Partner;
- Counseling / Event / Retreat Center / Hunting Lodge;
- Not assigned any patents and not engaged in any IP related activities.

Spirit Song Youth Equestrian Academy / Spirit Song Holdings (2011-present)
- CEO;
- Equine Assisted Learning Program for abused / traumatized youth, families, corporations, and churches;
- Not assigned any patents and not engaged in any IP related activities.

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E^{3}A (2016-present)
- President;
- Certification training of Equine Practitioners;
- Not assigned any patents and not engaged in any IP related activities.

Novo Tellus Capital Partners (2016-2017)
- Novo Tellus is an investment firm. I served as a technical advisor in reviewing the technology and contracts of investment opportunities.

UTAC (2008-2016)
- Technical consultant in matters related to packaging test and assembly, patents, and contracts.

ICS Radiation Technology (1988-2009)
- Consulting work related to nuclear radiation effects testing.

Creative Management Consultants (CMC) (2003-2004)
- Consulting work related to Internet services, such as access service to clients and web site hosting services; providing business co-op services and internet product purchasing sites.

Hatcreek Partners (1999-2003)
- Hatcreek Partners is an investment firm. I served as a technical advisor in reviewing the technology of investment opportunities.

nLine Corporation (1999-2003)
- Member of Technical Advisory Board;
- nLine Corp.'s business related to semiconductor holographic High Aspect Ratio Inspection (HARI) technology.

Texas Instruments (pre 2002)
- Patent evaluation and application consulting.

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