Curriculum Vitae of Miguel Gomez

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Mr. Gomez has thirty five years of experience in the design and development of hardware and software technology used in telecommunications, data communications, networking and storage infrastructure. He also is highly skilled in the use of microelectronics simulation software, ASIC & FPGA coding and Verilog. Mr. Gomez has designed and coded digital switching, optical encoders, and semiconductor memory hardware and software.

Expertise

- ASIC & FPGA Design
- Computer Architecture
- Computer Buses, Cache, and I/O
- Hardware Emulators
- Hardware Programming Languages
- Hardware Verification & Test
- Software Programming Languages
- Network Protocols
- Telecom Protocols
- Storage, Raid Controllers
- Digital Switching Technology
- Modems
- Security in place, security in motion
- Compression Algorithms,
- Optical Encoders
- Video Capture and Display Systems
- Semiconductor Memories
- Power supply design
- Power Inverter design.
- Computer Vision

Consulting Areas

Computer Architectures
- Data General
- IBM PC
- MIP 3000, 4000
- Intel 8051, x86, Pentium II
- Motorola 68000
- TI TMS320Cxx (DSP)
- PowerPC

Computer Buses:
- USB
- I2C
- PCI
- ISA
- EISA
- PCMCIA
- SBUS
- VME
- S100

Hardware Programming Languages:
- PALASM
- ABEL
- AHDL
- VHDL
- Verilog

Hardware Simulation and Compilation
- Synopsys VCD
- Synplicity
- ModelSim
- VerilogNC
- Spice, Hspice

ASIC and FPGA Design:
- Actel
- Altera
- Xilinx

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 1 of 25

Networking Protocols:
- ATM
- TCP/IP
- Ethernet
- VOIP
- HTTP/HTML
- SIP/SDP

Software Programming Languages:
- C,C++
- BASIC, VISUAL BASIC
- Assembly and Machine Languages
- FORTRAN
- Java
- Pascal
- Python/Django/bootstrap

Operating Systems:
- MSDOS
- Windows 3.1/NT/9x/2000/XP/CE
- UNIX

Communications
- Spread Spectrum (802.11a,b,g,n)
- LTE
- ODFM
- RF Transmission and reception
- CDMA/GSM

Power Electronics
- Solar Inverters
- 3-phase motors

CAD Tools
- Max+Plus II, Quartus (Altera)
- XACT, ISE (Xilinx)
- Mentor
- Orcad
- Allegro
- Viewlogic

- Schema
- P-Cad

Hardware Emulators
- Quickturn
- Ikos
- Zycad

Computer Memories
- SDRAM
- Rambus
- DDR I,II
- SDR

Compression:
- ADPCM

- H.264

Education

Year	College or University	Degree
1983	Yale University	BSEE

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 2 of 25

Engineering Experience

From: April 2013
To: Present
Organization: Rockslide Analytics, LLC.
Title: CEO
Summary: Mr. Gomez founded Rockslide Analytics in order to develop and eventually sell a depth sensing camera. A depth sensing camera can image a scene in three dimensions. Currently Rockslide Analytics is also used to promote Mr. Gomez's consulting and expert work.

From: August 2006
To: March 30, 2009
Organization: ActSolar Inc.
Title: VP Engineering and System Architect
Summary: Mr. Gomez has designed and built a 400 watt power inverter which takes an input voltage of 30 volts DC and converts it to 240 VAC. Included in the design is an energy compensation circuit that recovers up to 40% of power normally lost due to power factor correction issues. Included as part of the inverter system was rooftop data collection for power and temperature with wireless connections to cloud management services.

ActSolar was sold to National Semiconductor Corp. on March 19, 2009.

From: September 2004
To: August 2005
Organization: BridgeWave Inc.
Title: Consultant
Summary: Mr. Gomez built a 10 gig Ethernet test platform to facilitate manufacturing tests of Bridgewave's high speed wireless network system. This system replaced the Smart Bits Ethernet test analyzer in the manufacturing test environment.

- Built test generator: Ethernet packet generator which generated packets of various sizes, address spaces, payload and checksums.
- Built test receiver and analyzer which detected various failure mechanisms, maintained statistics and reported them to a user interface written in Lab View.
- Used the Xilinx Vertex II in the 2003 version. Used Xilinx Spartan 3e in 2004 version.

From: September 2004
To: September 2004
Organization: PA Consulting Group
Title: Consultant

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 3 of 25

Summary: Miguel Gomez has provided hardware evaluation services for corporate mergers and acquisitions. These services include systems and hardware reviews in the following areas:

- Analysis of system performance to cost of the hardware implementation. Costs include development time, flexibility of the system for future growth and final product costs.
- Review of the VHDL and Verilog code implementations, documentation and development strategies.
- VHDL and Verilog code management including compilation processes, simulation, test coverage, bug tracking and source code control.
- FPGA and ASIC tool chain management.
- Circuit board design and layout for production environments
- Circuit board certification testing for FCC, UL, and Environmental tests
- Review of production line management including assembly and test processes.

From: Jan 2003
To: May 2003
Organization: Santel Networks
Title: Consultant
Summary: Mr. Gomez Developed an optical duo-binary (ODB) encoder. At 10.7 Giga bits per second (GBps) ODB reduces the spectral spread to ½ of the ordinary NRZ format. This format allows high spectral efficiency over long distances by reducing nonlinear penalties due to narrower channel spacing and allows a higher bit rate or increases transmission distances. The project was implemented in a Xilinx FPGA running at 667 Mbs with a 10.7 GHz Mux/Demux feeding 16 LVDS streams to the FPGA. The ODB behavior was simulated in a C-coded simulation. The circuit board's highest clock speed was 10.7 Gigahertz and was modeled in HSPICE. Board level simulation was performed using NCVerilog. Several Patents were applied for and the board was shown at the Optical Fiber Communication Conference & Exposition in March of 2003.

From: March 2001
To: December 2002
Organization: Extreme Networks, Inc.
Title: Director of Hardware, Content Networking Division
Summary: Mr. Gomez managed a team of Hardware and Software engineers, which developed and maintained a Layer 5 Content Addressable Switch. The switch is capable of L2, L3, L4 switching as well as L5 switching which uses HTTP headers to make routing decisions. All routing decisions were made in real time (1 GBPs) by hardware in FPGAs while a Power PC provided a user interface, configuration management and housekeeping diagnostics. Communications between the hardware elements and the PowerPC CPU was via a PCI bus.

From: January 2000
To: March 2001
Organization: Webstacks, Inc. (Now Extreme Networks, Inc.)

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 4 of 25

Title: Director of Hardware
Summary: Extreme Networks and several venture founding partners commissioned Webstacks to build a Content Addressable Switch. As the number four employee Mr. Gomez was hired to be the system architect and to in-turn to hire the hardware team which would implement it. He hired 13 ASIC, FPGA and software engineers into his department and managed them for the duration of the project. Time to development was one year and at that time functionality was proven to Extreme, which then bought Webstacks for $68MM cash and stock.

From: February 1997
To: December 1999
Organization: Philips Semiconductor
Title: Consultant
Summary:

- Developed the certification environment which was used by Philips Semiconductor and Microsoft to verify operation of Philips' Poseidon handheld chipset running Windows CE. This included board development, FPGA coding and simulation as well as porting Windows CE.
- Supported development of Philip's version of the Mips 4000 along with several of the peripheral devices that made up the system on a chip and the bus interconnect.
- Miguel Gomez also developed the ASIC logic and board level hardware for a 56Kbs software modem while at Philips.

From: September 1994
To: January 1997
Organization: Minden Group, Inc.
Title: President & Founder
Summary: After founding The Minden Group, Miguel Gomez developed several types of memory adapters used to adapt various sizes and types of memory sticks into Personal Computers. These were sold through retail stores throughout the nation. Over 250,000 memory adapters were sold at stores such as Fry's, CompUSA, Computer City and Future Shop. Miguel Gomez also designed a video conferencing system including a low cost video capture board and modified drivers. This system was also sold through the retail channels.
After developing these products he organized and managed a small team of 10 to 15 product managers and sales personal. Manufacturing was done in Taiwan with final assembly and distribution in the United States.

From: April 1989
To: August 1994
Organization: Spectrum Analysis, Inc.
Title: Founder & President
Summary: Consulting services company which Mr. Gomez founded specializing in computing, telephony and data systems. The company was a full service design firm capable of electrical circuit design with emphasis on ASIC, FPGA and ASIC emulation as well as complex PCB level designs. Responsibilities as founder were to identify specific business opportunities as well as to manage and implement portions of the technical projects.

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 5 of 25

From: August 1987
To: March 1989
Organization: Quickturn Systems, Inc.
Title: Applications Manager
Summary: Quickturn developed an ASIC emulator using Xilinx FPGAs. Mr. Gomez was hired as Quickturn's first applications engineer, and was initially responsible for developing the training and demonstration systems for Quickturn's initial customers. Later as the company matured, he managed the customer support team. Since this ASIC emulator worked at a fraction of clock speed, he developed a methodology of slowing board designs to 100s of KHz while maintaining clock and memory (DRAM) integrity.

From: July 1987
To: September 1988
Organization: Telestream Corporation
Title: Applications Engineer
Summary: Applications engineer responsible for demonstration system development, training and sales support of the Telestream programmable voice and data management system.

From: March 1985
To: April 1987
Organization: Stratacom, Inc.
Title: Design Engineer
Summary: Responsible for development and maintenance of an Adaptive Differential Pulse Code Modulation (ADPCM) voice compression board. This system allowed twice as many calls to be placed on Tl transmission lines. Also developed Stratacom’s digital data over T1 lines which was used in Stratacom's network management system, a precursor to frame-relay.

From: June 1983
To: March 1985
Organization: ROLM Corporation
Title: Design Engineer
Summary: Responsible for the development of a multiplex/demultiplex hardware board used in the ROLM BUS 295 telephone switch. A novel elastic buffer was used to automatically determine the length of an inter-cabinet data bus, whose length varied based on the customer's requirements. This eliminated the need for manufacturing technicians to manually adjust clock skew.

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 6 of 25

Litigation Support Experience

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Fabricant LLP
Case Names:	Rampart v. NXP Semiconductors 6:21-CV-01294-ADA Supported Rampart
Services Provided:	Investigated DDR SDRAM memory systems
Dates	December 2022 - September 2023

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Winston Strawn LLP
Case Names:	Flypsi Inc. v. Google LLC 6:22-cv-00031 Supported Flypsi
Services Provided:	Investigated Voice over IP software code.
Dates	February 2023 - Present

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Sheridan Ross LLC
Case Names:	K.Mizra v. Cisco Systems 6:20-cv-01031 Supported K.Mizra
Services Provided:	Investigated infringement related to contagion detection, isolation and repair.
Dates	February 2023 - Present

Expert Engagement:

Type of Matter:	Patent Infringement Case

Law Firm:	Procopio, Cory, Hargreaves & Savitch LLP
Case Names:	RICMIC LLC v. Teldata Enterprise Networks 3:21-cv-1334-CAB-MDD Supported Teldata
Services Provided:	Wrote invalidity report to a health care and safety alerting system patent. Investigated prior art source code.
Dates	June 2022 - May 2023

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Hoge Fenton LLP
Case Names:	Michael Joseph Costabile v. Ustopit, LLC 7:21-cv-00155-BO Supported Michael Constablile
Services Provided:	Investigated infringement of timing systems in sports events. Wrote claim construction report and defended opinions at deposition.
Dates	August 2022 - March 2023

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Fabricant LLP
Case Names:	RFCyber v. Apple Inc. IPR2022-00412, IPR2022-00413 Supported RFCyber
Services Provided:	Wrote and defended a response to invalidity contentions concerning security used in financial transactions.
Dates	November 2022 - February 2023

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Fabricant LLP
Case Names:	Rampart Asset Management v. NXP, Renesas, Texas Instruments, Huawei and Silicon Motion. 6:20-cv-01031 Supported Rampart Asset Management

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 8 of 25

Services Provided:	Investigated infringement related to PCIe equalization circuits.
Dates	January 2022 - February 2022

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Fish and Richards
Case Names:	Ikorongo v. Bumble Trading LLC 6:20-cv-00256 Supported Bumble Trading LLC
Services Provided:	Investigated infringement related to collecting geographic location data from cell phones.
Dates	October 2021 - November 2021

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Folio Law PLLC
Case Names:	K.Mizra v. Cisco Systems 6:20-cv-01031 Supported K.Mizra
Services Provided:	Investigated infringement related to contagion detection, isolation and repair.
Dates	June 2021 - October 2021

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Mintz
Case Names:	Philips v. MediaTek, RealTek 337-TA-1222 Supported Philips
Services Provided:	Investigated infringement related to securing digital video.
Dates	January 2021 - July 2021

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Russ August & Kabat
Case Names:	EcoFactor v. Google, ecobee, Alarm, Vivent 337-TA-1185 Supported EcoFactor
Services Provided:	Investigated infringement related to smart thermostat devices.
Dates	February 2020 - September 2020

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Russ August & Kabat
Case Names:	Pavo Technologies v. Kingston 8:14-cv-1352-JLS Supported Pavo
Services Provided:	Investigated infringement related to USB Flash Drives. I provided a written opinion, defended my opinions in a deposition and testified at trial.
Dates	February 2019 - February 2020

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Orrick
Case Names:	Infinity Computer Products Inc. v. Toshiba America Business Solutions' 2:12-cv-06796-NIQA Supported Konica Minolta Business Solutions (Defendant).
Services Provided:	Investigated infringement related to fax/business copy solutions
Dates	April 2019 - June 2019

Expert Engagement:

Type of Matter:	Contracts Dispute
Law Firm:	HorizonIP
Case Names:	Smith v. ORBCOMM Supported ORBCOMM
Services Provided:	Investigated geolocation services for asset tracking.
Dates	March 2019 - July 2019

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 10 of 25

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Russ August & Kabat
Case Names:	SPEX Technologies v. Kingston Supported SPEX
Services Provided:	Investigated infringement related to secure disk drives. I provided a written opinion, defended my opinions in three depositions and testified at trial.
Dates	January 2017 - July 2020

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Orrick, Herrington & Sutcliffe
Case Names:	Synopsys v. Mentor Graphics Inv. Supported Synopsys
Services Provided:	Analyzed FPGA based hardware emulators relative to patent infringement allegations. Provided written statements.
Dates	December 2014 – September 2017

Expert Engagement:

Type of Matter:	Inter Partes Review
Law Firm:	Schmeiser, Olsen & Watts
Case Names:	NA
Services Provided:	Researched prior art related to video conferencing systems.
Dates	May 2016 – March 2017

Expert Engagement:

Type of Matter:	Patent Infringement and Trade Secret Cases
Law Firm:	Russ August & Kabat
Case Names:	VIA Technologies, Inc., et al. v. ASUS Computer International, Inc.Case No. 5:14-cv-03586-BLF Supported VIA Technologies.

Services Provided:	Analyzed hardware infringement of USB and PCIE drivers. Analyzed trade secrets theft of the same hardware. Provided written statements and oral testimony. I provided a written opinion, defended my opinions in three depositions and presented our positions at an arbitration hearing.
Dates	June 2015 – August 2017

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	CALDWELL CASSADY CURRY P.C.
Case Names:	Smartflash LLC, et al. v Google Inc., et al., Case No. 6:14-cv-435- KNM
Services Provided:	Analyzed Google in-app purchase client-server software.
Dates	January 2015 – November 2015

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Orrick, Herrington & Sutcliffe
Case Names:	Certain Consumer Electronics and Display Devices with Graphics Processing and Graphics Processing Units Therein Nvidia v. Qualcomm, Samsung, Imagination Inv. No. 337-TA-932 Supported Nvidia
Services Provided:	Analyzed thread execution and video processing in graphics integrated circuits.
Dates	December 2014 – May 2015

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	CALDWELL CASSADY CURRY P.C.
Case Names:	Smartflash LLC, et al. v Apple Inc., et al., Case No. 6:13-cv-447-MHS-KNM Supported Smartflash
Services Provided:	Analyzed Apple in-app purchase client-server software.
Dates	June 2014 – August 2014

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Young Basile Hanlon & MacFarlane P.C. Durie Tangri
Case Names:	Narada Systems, LLC v. Tabula Inc. Case No. 6:13-cv-336-LED Supported Tabula Inc.
Services Provided:	Analyzed prior art related to FPGA switch and routing fabrics.
Dates	February 2014 – April 2014

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Morrison Foerster
Case Names:	Intellectual Ventures I & II, LLC et al. v. Altera Corporation et al. Case No. 10cv 01065-LPS Supported Altera and Xilinx
Services Provided:	Analyzed prior art related to systems on a chip.
Dates	September 2012 – May 2014

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	McKool Smith, Dallas Texas
Case Names:	ParkerVision Inc. Inc. v. Qualcomm Incorporated. Civil Action No. 3:11-cv-719-J-37-TEM Supported ParkerVision
Services Provided:	Reviewed schematics related to the down conversion of a radio frequency signal to a base band signal.
Dates	September 2012 – May 2013

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	McKool Smith, Dallas Texas
Case Names:	WI-LAN INC., v. HTC CORPORATION, HTC AMERICA, INC., and EXEDEA, INC.

	Civil Action No. 2:11-CV-68 Supported WiLAN
Services Provided:	Investigated patent infringement related to the decoding and encoding of broadband transmission. I investigated VHDL, Verilog, C, and C++ source code related to Orthogonal Frequency Division Multiplexing and SC-OFDMA
Dates	September 2012 – August 2013

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Orrick, Herrington & Sutcliffe
Case Names:	Lantiq Deutschland GmbH v. Ralink Technology Corp., et al.
	Civil Action No. 11-cv-00234-EJD Supported Ralink
Services Provided:	Investigated patent infringement related to fractional phase lock loops and integer phase lock loops embedded in Ethernet and DSL circuits.
Dates	May 2012 – September 2012

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Morrison and Foerster
Case Names:	Sonic v. Arteris UNITED STATES DISTRICT COURT NORTHERN DISTRICT OF CALIFORNIA Case No. 11-CV-05311 MEJ
	Supporting Sonic
Services Provided:	Investigating infringement of hardware patents related to integrated circuit interconnections.
Dates	March 2012 – February 2013

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Quinn Emanuel
Case Names:	MotionPoint v. Transperfect Supported MotionPoint
Services Provided:	Investigated infringement of software patents related to language translation. Offered an opinion regarding MotionPoint's product infringement on the asserted patent and invalidity thereof. Testified at trial in the United States District Court, Northern District of California Oakland Division.
Dates:	August 2012 – July 1 2013

Expert Engagement:	
Type of Matter:	Patent Infringement Case
Law Firm:	Faegre Baker Daniels
Case Names:	Honeywell International, Inc, v. Nest Labs Inc., and Best Buy Co. Inc. Case No. 12-cv-299 (SRN/JSM) Supporting Honeywell International
Services Provided:	Investigated infringement of hardware patents related to power stealing.
Dates:	July 2012 – August 2012

Expert Engagement:	
Expert Engagement:	
Type of Matter:	Patent Infringement Case
Law Firm:	DLAPiper
Case Names:	MOTOROLA MOBILITY, INC. and GENERAL INSTRUMENT CORP. v. TIVO Inc. UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF TEXAS Civil Action No. 5:11-00053-DF Supported Motorola
Services Provided:	Investigated infringement of software patents related to Personal Video Recording devices.

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 15 of 25

Dates: February 2012 – August 2012

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: Kellogg, Huber, Hansen, Todd, Evans & Figel. P.L.L.C. Washington D.C.
Case Names: TiVo Inc. v Verizon Communications Inc. et al.
UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF TEXAS MARSHALL DIVISION
Case No. 2:09-cv-257-DF (E.D. Tex.)

Supported Verizon

Services Provided: Investigated infringement of software patents related to digital video recording.

Dates: April 2012 – June 2012

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: McDermott Will & Emery
Case Names: MotionPoint v. Transperfect
UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
Case No. 4:10-cv-02590-CW (JCS)

Supported MotionPoint

Services Provided: Investigated infringement of software patents related to language translation.

Dates: January 2012 – June 2012

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: DLA Piper LLP
Case Names: Freescale Semiconductor v. Funai Electric, MediaTek Inc., Zoran Corporation
INTERNATIONAL TRADE COMMISSION
Case No. ITC 337-TA-786
Supporting Funai, MediaTek, Zoran.

Supported Zoran

Services Provided: None

Dates: October 2011 – June 2012

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: Morrison and Foerster
Case Names: Altera v. LSI
UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
Case No. 11-cv-03139 CW
Supported Altera

Services Provided: Investigated infringement of hardware patents related to integrated circuit power management, clock recovery and high-speed bus implementations.

Dates June 2011 – September 2011

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: Jones Day
Case Names: Nielsen. v comScore Inc.
UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF VIRGINIA ALEXANDRIA DIVISION
Case No. 1:11-cv-290-LMB-TRJ
Supported Nielsen

Services Provided: Investigated infringement of software patents related to the collection of demographic information from survey panels and automated user identification. I investigated C, C++, C#, Java and SQL code residing on servers and personal computers.

Dates June 2011 – September 2011

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: Kellogg, Huber, Hansen, Todd, Evans & Figel. P.L.L.C. Washington D.C.
Case Names: Active Video Networks Inc. v Verizon Communications Inc.
UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF TEXAS MARSHALL DIVISION
Case No. 2:10-cv-248-RAJ-FBS

Supported Verizon

Services Provided: Investigated infringement of software patents related to communications between the set-top box and content providing servers at the communications head-end.

Dates December 2010 – March 2011

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.C. Washington D.C.
Case Names: HTC v. Apple Computers in the matter of Certain Portable Electronic Devices and Related Software.
UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON D.C.
Case 337-TA-721

Supported HTC

Services Provided: Investigated infringement of software patents related to power management in smart phones.

Dates November 2010 – January 2011.

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: Kellogg, Huber, Hansen, Todd, Evans & Figel. P.L.L.C. Washington D.C.
Case Names: Verizon Communications Inc. in the matter of Certain Digital Set-Top Boxes
UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON D.C.
Case 337-TA-712
Case 337-TA-717

Supported Verizon

Services Provided: Investigated infringement of software patents related to communications between the set-top box and content providing servers at the communications head-end.

Dates June 2010 – September 2010

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: McKool Smith, Dallas Texas
Case Names: WiLAN Inc. v. Acer, et. al.

THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
MARSHALL DIVISION

Civil Action No. 2-07CV-473 (E.D. Tex.)
WiLAN Inc. v. Acer, et. al.

Civil Action No. 2-07CV-473 (E.D. Tex.)
WiLAN Inc. v. Westell Technologies Inc.

Civil Action No. 2:08-CV-247 (TJW)
WiLAN Inc. v. RESEARCH IN MOTION CORPORATION,
RESEARCH IN MOTION LTD.,
MOTOROLA, INC., UTSTARCOM, INC.,
LG ELECTRONICS MOBILECOMM
U.S.A., AND LG ELECTRONICS, INC.,

Case No. 5:08-CV-04555-JW
WiLan v. Intel

Supported WiLAN

Services Provided: These cases consisted of 802.11a,b,g,n and Bluetooth investigations. In as much I investigated infringement of hardware patents related to the decoding and encoding of broadband transmission. Investigated Verilog, C, and C++ source code related to Bluetooth piconets, Orthogonal Frequency Division Multiplexing and Complementary Code Key incorporated in various integrated circuits. In addition to the above investigations, I was deposed and was asked to testify. This case settled before trial.

Dates May 2009 – March 2011

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: Jones Day, Palo Alto CA.
Case Names: Agere Systems Inc. and LSI Corp. vs. Xilinx, Inc.
UNITED STATES DISTRICT COURT
SOUTHERN D1STR[CT OF NEW YORK
Case 09 Civ. 9717 (JSR)
Case 09 Civ. 9719 (JSR)

Supported Xilinx

Services Provided: Investigated infringement of hardware patents related to the implementation of Field Programmable Gate Arrays (FPGAs).

Dates February 2010 – April 2010

Expert Engagement:

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 19 of 25

Type of Matter:	Patent Infringement Case
Law Firm:	Goodwin Procter LLP
Case Names:	MedioStream, Inc. v. Acer, et al. Consolidated Case No. 2:08-CV-369-CE, Eastern District of Texas Supported MedioStream
Services Provided:	Investigated infringement of software patents related to the decoding and encoding of video in Apple Computer products. Investigated C, C++ and Objective C source code in various video transcoding applications.
Dates	July 2009 – October 2010

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Womble Carlyle Sandridge & Rice.
Case Names:	Rembrandt Data Technologies vs. AOL LLC, et. al. THE UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF VIRGINIA - Alexandria Division C.A. No. 1:08-cv-01009-GBL-IDD Supported Rembrandt Data Technologies.
Services Provided:	Investigated infringement of hardware and software patents related to the transmission of data, voice and video over cable networks. Miguel Gomez performed the following tasks: ▪ Investigated assembly level source code for a V.34 modem physical layer modulation and de-modulation circuit. ▪ Gave testimony at deposition.
Dates	April 2009 – June 2009

Expert Engagement:

Type of Matter:	Patent Infringement Case
Law Firm:	Kellogg, Huber, Todd, Evans & Figel Washington D.C.
Case Names:	Rembrandt Data Technologies vs. Comcast, et. al. UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF TEXAS MARSHALL DIVISION 2:06-cv-00047-TJW-CE Rembrandt Data Technologies vs. Rembrandt Data Technologies vs. SHARP CORPORATION and SHARP ELECTRONICS CORP.

Case No. 2:06CV507 (LED)
Rembrandt Data Technologies vs.
CHARTER COMMUNICATIONS, INC.,)
CHARTER COMMUNICATIONS)
OPERATING, LLC, and COXCOM, INC.

2:06-cv-00223-TJW-CE
Rembrandt Data Technologies vs.
CHARTER COMMUNICATIONS, INC,
CHARIER COMMUNICATIONS
OPERATING, LLC, COX
COMMUNICATIONS, INC, COXCOM,
INC, COX ENTERPRISES, INC., CSC
HOLDINGS, INC, and CABLEVISION
SYSTEMS CORPORATION,

THE UNITED STATES BANKRUPTCY COURT
SOUTHERN DISTRICT OF NEW YORK
Case No. 02-41729 (REG)
Rembrandt Data Technologies vs.
Adelphia Communications Corporation;)
Century-TCI California, LP;)
Century-TCI California Communications, LP;)
Century-TCI Distribution Company, LLC;)
Century-TCI Holdings, LLC;)
Parnassos, LP;)
Parnassos Communications, LP;)
Parnassos Distribution Company I, LLC;)
Parnassos Distribution Company II, LLC;)
Parnassos Holdings, LLC;)
Western NY Cablevision, LP

Supported Rembrandt Data Technologies.

Services Provided: Investigated infringement of hardware and software patents related to the transmission of data, voice and video over cable networks.

Miguel Gomez performed the following tasks:

- Investigated Verilog source code used to implement a modem physical layer modulation and de-modulation circuit.
- Investigated C and C++ software used to implement cable modems.

Dates September 2008 – February 2009

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: Hogan and Hartson, New York NY
Case Names: ProMOS Technologies vs. Freescale Semiconductor Inc.
Case No. 06-788 JJF (D. Del.)

Supported ProMOS

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 21 of 25

Services Provided: Investigated infringement of hardware logic patents related to cache controllers.

Miguel Gomez performed the following tasks:

- Investigated Verilog source code used to implement a cache controllers in integrated circuits designed and produced by Freescale Technologies.

Dates February 2008 – August 2008

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: McKool Smith, Dallas Texas
Case Names: i4i Limited Partnership vs. Microsoft., et al.

THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
TYLER DIVISION
Case No. 6:07-CV-113-LED

Supported i4i.

Services Provided: Investigated infringement of software patents related to the organization of XML data.

Miguel Gomez performed the following tasks:

- Investigated C and C++ software code that read, displayed and managed XML constructs in Microsoft office software products.

Dates November 2007 – August 2008

Expert Engagement:

Type of Matter: Patent Infringement Case
Law Firm: McKool Smith, Dallas Texas
Case Names: Rembrandt Data Technologies vs. Comcast., et al.
MDL Docket No. 07-mdl-1848 GMS

Supported Rembrandt Data Technologies.

Services Provided: Investigated infringement of software and hardware patents related to the transmission of data, voice and video over cable networks.

Miguel Gomez performed the following tasks:

- Investigated C and C++ software code in the cable modem management layer that controlled data flows through the various chip sets of the cable modem.
- Investigated DSP code that provided data connection services in cable modems.

Dates May 2007 – July 2007

Expert Engagement:

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 22 of 25

Type of Matter: Patent Infringement Case
Law Firm: McKool Smith, Dallas Texas
Case Names: Samsung vs. Ericsson et al.,

UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON, D.C.
Case No. 337-TA-583
Case No. 337-TA-577

Supported Ericsson.

Services Provided: Investigated infringement of patents in cell phones.

Miguel Gomez performed the following tasks:

- Investigated C and C++ software code that controlled the power management and clock calibrations.
- Reviewed hardware description language code and DSP firmware to trace the control flow from the managing software down to the hardware registers.
- Wrote an expert report that documented the findings.
- Acquired and wrote software tools to assist the investigation process.

Dates January 2007 – May 2007

Expert Engagement:
Type of Matter: Patent Infringement Case
Law Firm: McKool Smith, Dallas Texas
Case Names: American Video Graphics, L.P. vs. Sony Computer Entertainment America
American Video Graphics, L.P. vs. Hewlett Packard Co., et al.,

Supported American Video Graphics.

Services Provided: Investigated patent infringement in graphic chipsets used in personal computers and game consoles.

Miguel Gomez performed the following tasks:

- Investigated the accused chipsets by examining the hardware code for various sub-modules including the 2D and 3D rendering engines and the frame buffers that connect the graphics processing units to memory devices.
- Wrote claim charts and created exhibits.
- Acquired and wrote software tools to assist the investigation process.

Dates August 2005 – November 2005

Expert Engagement:
Type of Matter: Patent Infringement Case
Law Firm: McKool Smith, Dallas Texas
Case Names: American Video Graphics, L.P. vs. Sony Corporation of America, et al.,
American Video Graphics, L.P. vs. Hewlett-Packard Co., et al.,
American Video Graphics, L.P. v. Electronic Arts, Inc., et al., No. 6:04-CV-398 LED

Supported American Video Graphics.

Services Provided: Patent infringement investigation of computer game software.

Miguel Gomez performed the following tasks:

- Examined C and C++ source code for electronic computer games which ran on Sony, Microsoft and Nintendo game consoles as well as Personal Computers
- Wrote a claim chart and created exhibits.

Dates May 2005 – August 2005

Expert Engagement:

Type of Matter: Patent Infringement
Law firm: Dewey Ballantine, Palo Alto, California
Case Name: Matsushita vs. Texas Instruments

Supported Matsushita.

Services Provided:

- Read and interpreted approximately 50 patents issued to Matsushita for Dewey Ballantine attorneys in their preparation for litigation between Matsushita and Texas Instruments.

Dates: November 2004 – March 2005

Expert Engagement:

Type of Matter: Patent Infringment
Law firm: Wilson Sonsini Goodrich Rosatti
Case Name: Zoran vs MediaTek et, al.

Supported MediaTek.

Service Provided: Offered an opinion as to when a product was ready for patenting per the requirements for an on-sale bar.

Miguel Gomez performed the following tasks:

- Offered an opinion as to whether the product in this was ready to be patented
- Reviewed all available documentation.
- Wrote report and rebuttal to opposition expert report
- Gave testimony at deposition and provided a written opinion at the ITC hearing.

Dates

September 2004 – February 2005

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 24 of 25

Patents

Issued Patents

7,814,204 Method of and system for analyzing the content of resource requests

7,447,777 Switching system

7,298,746 Method and system for reassembling and parsing patents in a network environment

7,321,926 Method of and system for allocating resources to resource requests

8,412,838 Method of and system for analyzing the content of resource requests

Applications

"System and Method for an array of intelligent inverters"

European: 09747629.5-1242/2291908

US PCT/US2009044033

Also published as: CN102067429A, US2090283129, WO2009140548A3

Orckit Exhibit 2010
Arista Networks v. Orckit Corp.
IPR2024-01239, Page 25 of 25