

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

HUAWEI DEVICE USA, INC.

Petitioner

v.

SPH AMERICA, LLC

Patent Owner

Patent No. 8,532,231

Patent No. 8,565,346

Inter Partes Review No. IPR2015-00203

Inter Partes Review No. IPR2015-00221

**Dr. Timothy Williams' Curriculum Vitae
Attachment A of Ex. 1002**

Tim Arthur Williams, Ph.D.
Curriculum Vitae

Dr. Williams has thirty-seven years of professional experience in wireless communications and telecom technology. He is an entrepreneur who has participated in the organization and operation of start up companies that brought wireless LAN, software VoIP PBX, and 2-way paging technology to the marketplace. Dr. Williams holds numerous patents in wireless and signal processing technology. He is an experienced litigation support consultant with experience in patent infringement matters. Dr. Williams is also a registered Patent Agent.

- Wireless LAN
- Cellular and PCS Standards
- Cellular Telephone Architecture
- Digital Signal Processing
- Telecommunications Technology
- VoIP Technology
- Computer Networking
- Wireless Networks & Protocols

<u>Year</u>	<u>College or University</u>	<u>Degree</u>
1991	University of Texas at Austin	MBA
1985	University of Texas at Austin	Ph.D. Dissertation: “Digital Signal Processing Techniques for Acoustic Log Data”.
1982	University of Texas at Austin	MSEE, Dissertation: “Cepstral Processing of Speech Signals”
1976	Michigan Technological University	BSEE

Tim Arthur Williams, Ph.D.
Curriculum Vitae

Professional Experience

From: 2008
To: 2010
Organization: Expressume, Inc / Montage Inc. – Milwaukee, WI
Title: Board Member
Summary: This company sells software for human resource recruiting.

From: 2008
To: Present
Organization: Faculte, Inc. – San Jose, CA
Title: Board Member
Summary: This company provides SaaS (Software as a Service) web video based communication products.

From: 2008
To: 2010
Organization: BitRail Networks Inc. – Miami, FL
Title: Founder, Board Member
Summary: This company sells computer networking solutions.

From: 2008
To: Present
Organization: Calumet Venture Management – Madison, WI
Title: Member
Summary: This company provides seed capital and management expertise to small companies.

From: 2006
To: 2012
Organization: BEEcube Inc. – Fremont, CA
Title: Founder, Board Member
Summary: This company builds EDA solutions for the IC industry.

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Curriculum Vitae

From: 2006
To: Present
Organization: Topaz Equity, LLC
Title: Founder, Board Member
Summary: This is a private equity investment company.

From: 2004
To: Present
Organization: DoceoTech Inc. – Danville, CA
Title: Founder, Chairman
Summary: This is a training company that provides training for engineers in Wireless, Networking, and Telephony technologies.

From: 2004
To: 2006
Organization: SiBEAM Inc. – Sunnyvale, CA
Title: Founder, Chief Executive Officer
Summary: This is a fabless semiconductor company that is developing high-speed wireless networking ICs. This company was sold to Silicon Image, Inc. in Apr 2011.

From: 2001
To: 2004
Organization: JetQue, Inc. – Danville, CA
Title: Founder, Chief Executive Officer
Summary: This company created messaging solutions for the mobile professional.

From: 1999
To: 2000
Organization: Atheros Communications, Palo Alto, CA
Title: Interim CEO, Advisory Board Member
Summary: This company builds wireless LAN ICs. Atheros became a public company in May 2004. (ATHR) This company was sold to QCOM in Jan 2011.

From: 1998
To: 2000
Organization: Picazo Communications – San Jose, CA
Title: Chief Technology Officer, Advisory Board Member

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Summary: This company built software PBXs. The company was purchased by Intel.

From: 1996

To: Present

Organization: Beach Technologies, LLC – Danville, CA

Title: Chief Executive Officer

Summary: This is a consulting company that provides IP services.

From: 1991

To: 1998

Organization: Wireless Access, Inc. – Santa Clara, CA

Title: Co-Founder, Chief Technical Officer, Vice President of Engineering, Vice President of Business Strategy

Summary: This was a startup company focusing on the Narrow Band PCS equipment market. The company developed the over the air protocols, the subscriber equipment and the ICs to deploy 2-way paging services. The company was sold to Glenaroy Electronics.

From: 1979

To: 1991

Organization: Motorola, Inc. – Austin, TX – Semiconductor Sector

Title: Sr. Engineer, Member Technical Staff, Sr. MTS

Summary: Business manager, project leader, and senior technical member of the teams which were responsible for product development of the following systems:

- ADPCM transcoder,
- ISDN U-reference point transceiver,
- CT-2 voice codec and channel modem,
- GSM voice codec and channel modem,
- TDMA voice codec and channel modem
- CDMA voice codec and channel modem, and
- Japanese Digital Cellular voice codec and channel modem.

From: 1976

To: 1979

Organization: Motorola Inc. - Chicago, IL - Communications Sector - Digital Voice Privacy Group

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