

Thomas L. Credelle

Curriculum Vitae

Professional Summary

Mr. Credelle is a recognized expert in the flat panel industry with over 40 years of expertise in flat panel display R&D, engineering, marketing, and senior management. He has served on an executive level at start-up businesses within major corporations and start-up companies in the Silicon Valley and has had extensive interaction with flat panel producers and customers in Japan, Taiwan, Korea and China. Mr. Credelle holds 81 issued US patents in various flat-panel related technologies including display design, display electronics, materials, algorithms, systems, RFID, and optics, with additional pending.

Mr. Credelle is a Fellow of the Society for Information Display and currently consults regarding technology, business, and patent issues involving Flat Panel Display Technology for various companies. He has written expert-analysis reports for private clients on patent portfolios of over 500 patents and is currently an expert witness on three cases.

Expertise

- Display electronics
- Electro-optics
- Flat Panel Display Technology, R&D, and Marketing
- New Product Development
- Patent analysis, expert witness
- TFT and Liquid Crystal Display R&D

Education

<u>Year</u>	<u>College or University</u>	<u>Degree</u>
1970	Massachusetts Institute of Technology	M.S., Electrical Engineering Emphasis: Electro-optics and Solid State Physics Thesis: "Optical Properties of High Purity Stannic Oxide"
1969	Drexel University	B.S., Electrical Engineering (Honors Program)

Professional Experience

From: 2008
To: Present
Organization: TLC Display Consulting
Title: President
Summary:

- Technical consulting in the field of flat panel displays and display electronics

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- Business/patent consulting in the fields of displays, optics, new technology

From: 2012
To: Present
Organization: Innova Dynamics, Inc., San Francisco, CA
Title: VP, Application Engineering and Device Performance
Summary:

- Primary interface between customer and product engineering
- Testing and qualification of all products
- Business development/technical contact for new opportunities

From: 2007
To: 2008
Organization: Puredepth, Inc., Redwood City, CA and Auckland, NZ
Title: Senior VP Engineering
Summary:

- Recruited to establish first senior management leadership position for hardware and software engineering related to Puredepth's Multi Layer Display (MLD) technology.
- Rapidly learned details of technology, established new development plans, and supported customer engagements in US, Korea, and Japan.
- Divided time between US and NZ offices, supporting sales/marketing and leading engineering effort.

From: 2001
To: 2007
Organization: Clairvoyante, Inc, Cupertino, CA
Title: VP Engineering
Summary:

- Responsible for engineering, product development, product roadmap, marketing of technology that improves resolution and reduces power of color flat panel displays.
- Responsible for applied R&D, IC development, customer training and support for all technology integration programs.
- Creation of new intellectual property to advance adoption of Clairvoyante technology.
- Monthly interaction with leading LCD producers in Taiwan, Korea, Japan; management of all vendors relating to product development (8-10 on-site visits per year).

From: 1999
To: 2001

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Organization: Alien Technology Corporation, Morgan Hill, CA
Title: VP of Operations
Summary:

- Key member of management team to develop novel technology for nanoblock-IC assembly using fluidic process. Responsible for facilities, manufacturing operations, IT, and HR; managed \$20M construction project for mfg.
- Key contributor to display-related use of Alien manufacturing processes.
- Contributed to patent portfolio for Alien with key inventions in Nanoblock™ IC manufacturing techniques for displays and RFID tags.

From: 1996
To: 1999
Organization: Motorola Flat Panel Display Division, Tempe, AZ
Title: Director, Product Marketing
Summary:

- Responsible for establishing market direction and initial sales approach for new Field Emission Displays (FED) under development within the Division.
- Won potential business for initial small FEDs in industrial and automotive applications.
- Established and managed marketing communications department, creating new brand image for product as well as managing all trade show activities.
- Contributed to product development and spec generation. Generated patent disclosures aimed at solving customer-related issues.

From: 1994
To: 1996
Organization: Allied Signal, Los Gatos, CA
Title: Director, Advanced Product Marketing
Summary:

- Responsible for establishing product marketing direction and establishing customer contacts for newly-developed optical films for viewing angle enhancement for LCDs.
- Participated in product development, product improvement based on customer input. Generated patent disclosures related to materials and optics related to product.

From: 1991
To: 1994
Organization: Apple Computer, Cupertino, CA.
Title: Manager, Display Engineering
Summary:

- Responsible for all LCD engineering and qualification for first PowerBook notebook computers introduced to market.
- Extensive interaction with Asian suppliers.
- Generated patent disclosures related to LCD integration in notebook PCs

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From: 1986
To: 1991
Organization: GE R&D Center, Schenectady, NY
Title: Manager, TFT LCD Research and Development
Summary:

- Managed R&D in TFT and LCD technology for avionics applications. Led the team that built the first 1 million pixel color LCD. Led development of various optical devices based on liquid crystal materials.
- Established photonics effort based on liquid crystal technology.

From: 1970
To: 1986
Organization: RCA Sarnoff Labs, Princeton, NJ
Title: Individual Contributor, then Group Manager
Summary:

- Increasing levels of responsibility in the R&D of optical materials and flat panel displays.
- Key contributor to novel methods for large screen flat panel TFT.
- Established TFT LCD Program at Sarnoff Labs in 1983.
- Led development of first polySi TFT LCDs at Sarnoff Labs.

Legal Consulting

Expert Engagement:

Type of Matter: Deposition on patent dispute, October 29, 2008
Client: Intellectual Ventures Group
Case Name: Alien v. Avery, Case No. 08-cv-00795
Services Provided: Patent analysis for infringement and acquisition; over 500 patents examined thus far.
Date: August 2011 – August 2012

Expert Engagement:

Type of Matter: Undisclosed
Client: McKenna Long & Aldridge LLP
Case Name: Undisclosed
Services Provided: Non-testifying expert on ITC case
Date: November 2011

Expert Engagement:

Type of Matter: Undisclosed
Client: Steptoe and Johnson LLP
Case Name: Undisclosed

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Services Provided: Non-testifying expert on ITC case (settled)
Date: November 2011

Expert Engagement:

Type of Matter: Undisclosed
Client: Winston and Strawn LLP
Case Name: Undisclosed
Services Provided: Testifying expert on District Court case (settled)
Date: February 2012

Expert Engagement:

Type of Matter: Undisclosed
Client: Gibson and Dunn LLP
Case Name: Undisclosed
Services Provided: Expert analysis on District Court case (settled)
Date: June – July 2012

Expert Engagement:

Type of Matter: Undisclosed
Client: Klarquist Sparkman LLP
Case Name: Undisclosed
Services Provided: Testifying Expert on District Court case (settled)
Date: October 2012 – April 2013

Expert Engagement:

Type of Matter: Undisclosed
Client: Alston and Bird LLP
Case Name: Undisclosed
Services Provided: Testifying expert on District Court Case (settled) Non infringement and non-enablement reports written.
Date: March 2013 – July 2013

Expert Engagement:

Type of Matter: Undisclosed
Client: Kenyon and Kenyon LLP
Case Name: Undisclosed
Services Provided: IPR Report
Date: Jan 2015-present

Expert Engagement:

Type of Matter: Undisclosed
Client: Shearman & Sterling LLP
Case Name: Undisclosed
Services Provided: IPR Report
Date: Mar 2015-present

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