

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 M^εAlexander Sound, Inc., and the Managing Director of M^εAlexander 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.

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.

EXPERIENCE PROFILE

1988-present

McAlexander Sound, Inc. (M[¢]ASI) - 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 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.

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;

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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