Michael Nranian

Expert in Intellectual Property & Product Liability

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Education

Wayne State University
MS Electrical Engineering, 1991
BS Electrical Engineering, 1993
BS Chemical Engineering, 1984
Juris Doctor, 1999

University of Michigan
MBA, 2002

Qualifications
Six Sigma Black Belt – American Society for Quality & International Quality Federation; Licensed Professional Engineer; Certified Project Management Professional; Eagle Scout; Accident Reconstruction – Northwestern University; Active Secret Security Clearance; Admitted to State Bars of Michigan & Texas, United States Patent and Trademark Office, U.S. Supreme Court

INTELLECTUAL PROPERTY SERVICES AND EXPERIENCE INCLUDE:

- **Evaluation of patent infringement/non-infringement, and patent validity/invalidity, including 101, 102, 103, 112 and prior art arguments including analyses under literal infringement and the under the doctrine of equivalents.**
- **Development of claim charts for Markman hearings, ITC cases, and federal cases. Expert reports, depositions, hearing and trial testimony.**
- **Technology standards boards and licensing authorities, antitrust/DOJ, technology development and transfer, patents, trademarks, trade secrets, copyrights, data rights, etc.**
- **Georgia-Pacific factors analyses for determining reasonable royalty for plaintiff or defense. Willful infringement arguments.**
- **Analyzing Markman briefs, conducting prior art searches, and the analyses of patent file wrappers.**
- **Discovery and motion practice, Summary judgment proceedings, evidentiary hearings, motions in limine, opposition and reply briefs.**
- **Patent Cooperation Treaty Applications, U.S. applications, international filings.**
- **Prior art/patentability research in technical literature, publications, product specifications, and dissertations to analyze validity and obviousness.**
- **Litigation support and technology education in patent disputes, Federal Cases, ITC cases, & re-examinations.**
- **Represent clients in all aspects of electrical, chemical, software, computers, microprocessors, and automotive components and systems involving all aspects of intellectual property litigation.**
- **Deposition, hearing and trial experience in state and federal jurisdictions throughout the United States.**
- **Cases include:** Bradley et al v. Fontaine Trailer; ATI v. Siemens et al; Remy v. WAI et al (ITC); Lucent/MPT v. Gateway MPEG proceedings; Tendler v. Onstar; Acer/Gateway v. Hewlett Packard (ITC); *Also involved in other cases as non-disclosed Consultant*

PRODUCT LIABILITY SERVICES AND EXPERIENCE INCLUDE:

- **Direct participation in more than 300 litigation cases with in-depth evaluations of multiple high-dollar claims and lawsuits.**
- **Expert witness reports, inspections, accident reconstruction, photographs, occupant kinematics & injury causation, component and system analyses.**
- **Development of case and trial strategy, summary judgment proceedings, evidentiary hearings, motions in limine, opposition and reply briefs.**
- **Deposition, hearing and trial experience in state and federal jurisdictions throughout the United States as Expert Witness and Corporate Representative.**
- **All areas of discovery, preparing and/or obtaining sets of requests for production, interrogatories, requests for admissions. E-discovery.**
- **Preparation of other witnesses prior to their depositions and trial testimonies, including all potential cross-examination questions.**
- **Product Liability Law, indemnification, injury thresholds and regulatory requirements, including all FMVSS interpretation/compliance.**
- **Medical devices, wheelchairs, and handicap assistance devices.**
- **Automotive, truck (including tractor-trailer) systems, sensing systems, including all crash recorders (Direct design experience in these modules for over 20 years). Accident reconstruction and analysis of crash pulse information. Electrical, electronic, electro-mechanical components and systems.**
- **Design validation plans and reports, failure modes and effects analyses, product prove-out, design verification, reliability/durability analyses/assessment.**
- **Analysis of component defects including seats, seatbelts, curtains, airbags, roof crush, structure, doors, all modes of sensors, crashworthiness.**
- **Electrical systems and architecture, fire cause and origin, diagnostic system and fault code analyses.**
- **Insurance law, no fault insurance law, subrogation. Automotive domestic/international OEMs, customers, suppliers, manufacturing, operations.**
- **Field Analysis of Product Liability Issues and the Implementation of Design Changes to Reduce Exposure**
- **Regulatory pre-emption arguments, express, implied, or fact-specific analyses.**
- **Depositions, Expert Testimony, Trial Testimony.** *Please see Judicial Experience/Testimony History on website (too much to list here).*

Summary of Professional Experience

Principal - AUTOMOTIVE DESIGN ANALYSIS L.L.C., South Lyon, MI - Technical consulting practice conducting objective, expert analysis, research, and investigation of Intellectual Property; Patents, Products and Technologies; and Product Liability.

Attorney - Chief Scientist's Office TARDEC/TACOM - U.S. Army, Warren, MI - Develop Invention disclosures/patents. Consult contractually (GTA & Alion).

Associate, Intellectual Property - Vivacqua Law, Ann Arbor, MI - Represent clients in all intellectual property aspects of electrical, chemical, software, and automotive.

Principal Systems Engineer – TACOM - U.S. Army, Warren, MI - Conduct Systems Engineering. Manage Cross-Functional Teams. Consult via Raytheon

Risk Analysis/Decision Analysis Lead - General Dynamics, Sterling Hts., MI - Decision analysis, trade studies, systems engineering, risk analysis, & mitigation.

Intellectual Property Litigation Associate, Dechert LLP, Austin, TX - Represent clients in all aspects of electrical, chemical, software, and computers involving all aspects of intellectual property, including licensing, USPTO matters, joint development agreements, contracts, opinion work, infringement analyses, standards boards, trade secrets, & antitrust issues. Discovery, motion practice, trial/ settlement procedures. Cases include Lucent/MPT v. Gateway MPEG proceedings, Apple Computer-Lucent Licensing negotiations, Tendler v. Onstar, and Acer/Gateway v. Hewlett Packard International Trade Commission litigation.

Design Analysis Engineer/Technical Specialist/Engineering Manager, FORD, Dearborn, MI - Technical analysis of vehicles, systems, components, and diagnostics. Act as corporate representative and expert witness; testify in trials and depositions. Conduct accident investigations and prepare expert witness reports and responses to requests for discovery. Expert in FMVSS, regulatory, due-care, corporate standards, warnings, SAE and NHTSA publications, information for NHTSA inquiries, recalls, notices, vehicle diagnostic, OBDII interfaces, vehicle bus interfaces, communication protocols, analysis/interpretation of electrical components, system information stored in electronic crash sensors, diagnostic modules, system modules. Lead design, development, testing, and implementation of advanced-technology passive/active restraint systems. Conducted numerous (hundreds) crash, sled, and component tests. Developed design verification plans and reports, failure modes and effects analyses, product and production validation plans, and then developed the products and systems to meet these requirements.

Senior Project Engineer, General Motors, Troy, MI - Design, development, testing, and release of electrical system, sensing, and airbag and airbag suppression systems for all GM truck lines. FMVSS, corporate specifications and design standards, FMEA, DVPR, control plans, and Due-Care requirements.

Senior Project Engineer, AlliedSignal, Sterling Hts., MI - Managed European, Pacific Rim, & domestic programs. Design and development of electrical systems & components, airbag modules, sensors, and airbag systems. Developed statements of work and comprehensive system design/test requirements.