

# MICHAEL NRANIAN

## ADDITIONAL INFORMATION



### Michael Nranian Expert in Intellectual Property & Product Liability

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### INTELLECTUAL PROPERTY SERVICES AND EXPERIENCE INCLUDE:

- Evaluation of patent infringement/non-infringement, and patent validity/invalidity, including America Invents Act, and 101, 102, 103, 112 and prior art arguments including analyses under literal infringement and the under the doctrine of equivalents. Prosecution history estoppel.
- 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, trademark infringement/dilution, unfair competition/trade, false/deceptive advertising Lanham Act, Class Actions, etc.
- Georgia-Pacific factors analyses for determining reasonable royalty for plaintiff or defense. Willful infringement arguments.
- Development and Analysis of Markman briefs, claim charts, 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. Post-Grant Review, Inter Partes Review, Patent Trial and Appeal Board.
- 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, derivation proceedings, prior user rights.
- Represent clients in all aspects of electrical, chemical, software, computers, algorithms, microprocessors, & automotive components/systems involving all aspects of intellectual property litigation. Cellular, telecommunication, GPS/navigation, mobile telematics, information/data transmission, Human machine interfaces, etc.
- Deposition, hearing and trial experience in state and federal jurisdictions throughout the United States.
- **Cases include:** Magna v. TRW; Bradley v. Fontaine Trailer; ATI v. Siemens; Remy v. WAI (ITC); Lucent/Gateway/MPEG; Tendler v. Onstar; Acer/Gateway v. HP (ITC); Mobileye Inc. v. Picutup Corp.; Transtex v. Ridge; KAR v. Ford; Speedguage v. Inthinc; Zoao Controls; Freedom Motors v. Allegiant; Magna Mirrors v. TRW; AVS v. Takata et al. (IPR); VOT v. Ford; Voxx v. Johnson Safety; Bosch v. Autel; Dorman v. Paccar & other cases

### 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. Forensic Analyses & Investigations.
- Expert witness reports, inspections, accident reconstruction, photographs, occupant kinematics & injury causation, component and system analyses. Forensic Analyses. Investigations.
- 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.
- Optical/vision systems, warning systems, forward collision/lane departure warning, medical devices, wheelchairs, and handicap assistance devices. Workplace safety/standards/policies, Fall Protection, - OSHA, ANSI, etc. Inertia mechanisms, webbing, harnesses, forensics.
- 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. Computer, algorithm, software, analyses. Occupant sensing and Out-of-position sensing and injury mitigation.
- 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, load limiters, pretensioners, curtains, airbags, roof crush, structure, doors, all modes of sensors, crashworthiness. Occupant position sensing, Occupant Out-of-position sensing, and injury mitigation systems & strategies.
- Workplace safety standards, practices, policies. Fall Protection, - OSHA, ANSI, etc. Inertia mechanisms, harnesses. Safety/machine guards.
- Electrical systems and architecture, fire cause and origin, lidar/radar, sensors, camera/optical/vision, warning & diagnostic system & fault code analyses. Human machine interfaces, controls, displays, warnings, diagnostic. Data/information/parameter storage & retrieval.
- Insurance law, no fault insurance law, subrogation, class actions. Automotive domestic/international OEMs, customers, suppliers, manufacturing, operations. NHTSA Complaints and Responses. FMVSS, IIHS, Sled and Barrier testing and analyses. Injury assessment.
- Field Analysis of Product Liability Issues and the Implementation of Design Changes to Reduce Exposure. Analysis of Alternative Designs.
- Regulatory pre-emption arguments, express, implied, or fact-specific analyses.
- Depositions, Expert Testimony, Trial Testimony. *FCA v. Lear, Delphi & numerous other cases - Please see Judicial Experience/Testimony History on (Next Page - too much to list here).*

## **MICHAEL NRANIAN**

Cell: 248-376-0338

### **ADDITIONAL INTELLECTUAL PROPERTY INFORMATION:**

I have deposition, hearing and trial experience in state and federal jurisdictions throughout the United States. Additional areas of experience include:

- Evaluation of patent infringement/non-infringement, and patent validity/invalidity, including America Invents Act & 101, 102, 103, 112 and prior art arguments. Analyses performed under literal infringement and the doctrine of equivalents. Prosecution History Estoppel.
- Development and Analysis of claim charts for Markman hearings, ITC cases, & federal cases, and Inter Partes reviews.
- Expert reports, depositions, hearing and trial testimony.
- Intellectual property, including technology standards boards and licensing authorities, antitrust/DOJ, technology development and transfer, patents, trademarks, trade secrets, trademark infringement/dilution, unfair competition/trade, false/deceptive advertising, Lanham Act, copyrights. Analyses of designs for Trade secrets miss-appropriation.
- Contracts negotiation, contract drafting/interpretation, and IP related clauses, licensing indemnification, business financial impact assessments, valuation & potential ROI. Georgia-Pacific factors analyses for determining reasonable royalty for plaintiff or defense. Willful infringement arguments. Goodwill damages. Class actions.
- Developing and analyzing Markman briefs, conduct prior art searches, and the analyses of patent file wrappers.
- Contracts, licenses, joint development agreements, statements of work. Summary judgment proceedings, evidentiary hearings, motions in limine, opposition & reply reports, briefs, claim charts.
- Analysis and assessment of industry trends - followed by working with product development activities, program managers, and cross-functional teams for new product innovation and to implement strategic design changes and the development of new products.
- Commercialization of innovations and intellectual property. Assessment of the engineering development/product development necessary and likelihood of innovations and/or patented inventions to become commercial products.
- Patent Cooperation Treaty Applications, U.S. applications, & international filings. Post-Grant Review, Inter Partes Review. Patent Drafting, Prosecution, and USPTO Office Action responses.
- Clarification of prior art in technical literature, publications, product specifications, and dissertations to analyze validity and obviousness.
- Specification and literature analysis of scientific and engineering patents. Product and technology analysis, patent portfolios, patentability research.
- Litigation support and technology education in patent disputes, claim charts, patent reexaminations, derivation proceedings, prior user rights.
- Technology Contracts, Freedom of Operation and Infringement Analyses. Technology Standards Groups and Licensing Authorities.
- All Aspects of Discovery and Disclosure Requirements, e-Discovery, Discovery Policy and Strategy. Document Production and Accurate/Consistent Response Preparation. Trial and Settlement Procedures.
- Flesh out and convey the novel and innovative arguments for new technologies and inventions, and understand and convey technical similarities and differences for infringement analyses.
- Design Validation Plans and Reports, Failure Modes and Effects Analyses, product prove-out, design verification, reliability and durability analyses.
- Represent clients in all aspects of electrical, chemical, software, source code/algorithm methods/processes, computers, microprocessors, & automotive components & systems involving all aspects of intellectual property litigation. Safety systems, accident avoidance, telematics/telecommunications, mobile cellular information data transmission (transmitters/receivers), traffic/weather, communication protocols, radio optical satellite wireless mediums, GPS, navigation, monitoring/surveillance/security/tracking systems, camera/vision/optical systems, fleet management systems, Bluetooth, smartphones, truck/commercial/recreational vehicles, construction/excavation, electrical/electronic, diagnostics. Human machine interfaces/displays, diagnostics, warnings. Data/ storage/retrieval. Workplace safety.

### **CASES INCLUDE**

- Mobileye v. iOnRoad
- Transtex v. Ridge
- Bradley et al v. Fontaine Trailer
- Voxx v. Johnson Safety Inc.
- Bosch v. Autel
- AVS v. Takata et al. (IPR)
- KAR v. Ford
- VOT v. Ford
- Remy v. WAI et al (ITC)
- Speedguage v. Inthinc
- Dorman v. Paccar (Design Patents)
- ATI v. Siemens et al.
- Hagenbuch v. Toyota (IPR)
- Vehicle Interface Technologies v. Ford, Jaguar
- Freedom Motors v. Allegiant
- Magna v. TRW

*Also involved in other cases as technical expert consultant*

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**ADDITIONAL PRODUCT LIABILITY EXPERIENCE INFORMATION:**

I have directly participated in more than 300 litigation cases providing overall technical and legal case management from notice through trial if necessary, including working with trial counsel, development of case and trial strategy, dispute resolution, and in-depth evaluations of multiple high-dollar lawsuits and claims. I have extensive experience in analyzing and assessing litigation risks. I have direct experience in all areas of discovery and motion practice as well as trial and settlement procedures. I understand the importance of accurate and consistent discovery and I have overseen and prepared hundreds of sets of responses to requests for productions, interrogatories, and requests for admissions. I have deposition, hearing and trial experience in state and federal jurisdictions throughout the United States. I have extensive experience in providing litigation and counseling support to national clients. I have extensive experience in analyzing and assessing claims and then working with product development activities and leading cross-functional teams to implement the necessary design changes to continuously improve products and designs and reduce overall exposure. I have direct experience in summary judgment proceedings, evidentiary hearings, motions in limine, as well as the related opposition and reply documents. I have prepared numerous expert witness reports, and have served as the expert witness and/or corporate representative in depositions, hearings, and trials, in state and federal jurisdictions throughout the United States for product liability cases. I have prepared and prepped other witnesses prior to their depositions and trial testimonies, including all potential cross-examination questions. Complete Forensic Analyses and Investigations.

Additionally, through these experiences, I have developed strong working knowledge of the following areas, among others:

- Product Liability Law, Automotive Defense, Indemnification. Forensic Analyses.
- Injury Thresholds as Related to Statutory Bars. Injury causation. Kinematic analyses.
- Medical devices, wheelchairs, motorized wheelchairs, controllers, and handicap assistance devices.
- Workplace safety/standards, Fall Protection, - OSHA, ANSI, etc. Inertia mechanisms, webbing, harnesses, forensics.
- Regulatory Requirements, including all FMVSS, ECE, SAE, Due-Care, Product Prove-out Interpretation/Compliance.
- Automotive and Truck (including Tractor-Trailer) systems, commercial recreational vehicles, construction equipment.
- Sensing systems, including all crash recorders (Direct design experience in these modules for over 20 years).
- Programming and algorithm development and verification to meet system requirements.
- Design Validation Plans and Reports, Failure Modes and Effects Analyses, product prove-out, design verification, reliability and durability analyses.
- Electrical, electronic, electro-mechanical, camera/vision, weight/occupant sensing, components and systems. Software, source code, algorithm, processes and methods. Quality control/assurance.
- Analysis of component defects including seats, seatbelts, pre-tensioners, load limiters, curtains, airbags, roof crush, structure, doors, and all modes of sensors. FMVSS and IIHS testing. Sled & Barrier & Crash testing. Forensic Analyses.
- Analysis of alternative designs, as well as design and product prove-out assessment and field analysis.
- Occupant kinematics & injury causation. Occupant detection and Out-of-position occupant detection & injury mitigation.
- Accident reconstruction and analysis of crash pulse information. Parameter and data analyses.
- Electrical systems and architecture, diagnostics, fault codes, forward collision warning, lane departure warning, collision warning, autonomous braking/cruise control, tire pressure monitoring, blind spot detection.
- Fire cause and origin (chemical/electrical). Fuel systems.
- Diagnostic system and fault code analyses, audio/visual warning systems, fail safes, labels, vehicle/operator performance
- Insurance Law, No Fault Insurance Law, Subrogation, Class Actions, NHTSA complaints & responses.
- Automotive OEMs, Customers, Suppliers, Manufacturing, Operations in domestic, European and Asian environments.
- Depositions, Expert Testimony, Trial Testimony, and Witness Preparation.
- Field Analysis of Product Liability Issues and the Implementation of Design Changes to continuously improve products.
- Support for development of Trial Strategies, Trial and Motion Practice, Dispute Resolution, Negotiation, and Settlement.
- All Aspects of Discovery and Disclosure Requirements, e-Discovery, Establishment of Discovery Policy and Strategy.
- Document Production and Accurate/Consistent Response Preparation.
- Pre-emption arguments, express, implied, or fact-specific analyses.
- Represent clients in all aspects of electrical, chemical, software methods/processes, computers, microprocessors, source code, programming, and controllers. Automotive components and systems. Safety systems, accident avoidance, telematics/telecommunications, mobile cellular information data transmission (transmitters/receivers), traffic/weather, communication protocols, radio optical satellite wireless mediums, GPS, navigation, monitoring & surveillance, security/tracking systems, camera/vision/optical systems, fleet management systems, Bluetooth, smartphones, truck, recreational, and commercial vehicle systems, construction/excavation, electrical/electronic, diagnostics, etc.