CARLA S. MULHERN
Managing Principal

Phone: 202 530 3988
Fax: 202 530 0436
carla.mulhern@analysisgroup.com

800 17th Street, NW
Suite 400
Washington, DC 20006

Ms. Mulhern specializes in the application of microeconomic principles to issues arising in complex business litigation. She has served as an expert witness on damages issues in commercial litigation matters, including intellectual property and breach of contract cases. Her intellectual property damages experience spans cases involving allegations of patent, copyright, and trademark infringement, as well as misappropriation of trade secrets. Ms. Mulhern has testified before the International Trade Commission on economic issues such as commercial success, domestic industry, remedy, bond, and public interest. In addition, she has worked with leading academic experts on commercial litigation matters including intellectual property, antitrust, and breach of contract cases.

Ms. Mulhern's project experience spans a variety of industries, including automotive, computer hardware and software, consumer products, entertainment, medical devices, pharmaceuticals, semiconductors, and telecommunications. She has assisted clients in all aspects of litigation projects, including development and review of pretrial discovery, development of economic and financial models to analyze damages, critique of analyses propounded by opposing experts, and preparation of testimony.

In non-litigation matters, Ms. Mulhern has assisted clients in valuing intellectual property and other business assets in the context of strategic alliances involving licensing and joint ventures. In addition, she has consulted on matters involving the application of economic principles to issues arising in the pharmaceutical and health care fields. Ms. Mulhern has been recognized as among the top economic experts for IP matters by Intellectual Asset Management (IAM) in the IAM Patent 1000, which identifies leading patent professionals around the globe.

EDUCATION

1988	M.Sc. in Economics, London School of Economics and Political Science, London, England
1987	Diploma with Merit in Economics, London School of Economics and Political Science, London, England
1986	B.S. in Mathematics, Bucknell University, Lewisburg, PA

PROFESSIONAL EXPERIENCE

1997–Present	Analysis Group, Inc., Washington, DC
1994–1997	Putnam, Hayes & Bartlett, Inc., Washington, DC
1989–1994	National Economic Research Associates, Inc., Washington, DC

EXPERT REPORTS/TESTIMONY

- **RegenXBio, Inc. and The Trustees of the University of Pennsylvania v. Sarepta Therapeutics, Inc. and Sarepta Therapeutics Three LLC**
  US District Court, District of Delaware
  Patent infringement: expert report (2023) and deposition testimony (2023) on behalf of defendants regarding reasonable royalty damages for patents related to gene therapy used to treat muscular dystrophy.

- **Janssen Pharmaceuticals, Inc. and Janssen Pharmaceutica NV v. Tolmar, Inc.**
  US District Court, District of Delaware
  Hatch-Waxman: expert report (2023), deposition testimony (2023), and trial testimony (2023) on behalf of plaintiffs regarding analysis of commercial success of patented pharmaceutical product Invega Sustenna, an antipsychotic drug for the treatment of schizophrenia and schizoaffective disorder.

- **Continuous Composites, Inc. v. Markforged, Inc.**
  US District Court, District of Delaware
  Patent infringement: expert report (2023) and deposition testimony (2023) on behalf of defendant regarding reasonable royalty damages for patents related to 3D printer technology.

- **California Safe Soil, LLC v. KDC Agribusiness, LLC, KDC Agribusiness Fairless Hills, LLC, KDC Agribusiness North Dakota, LLC, Do Good Foods LLC, Do Good Foods Managed Services LLC, Do Good Foods Facility Management LLC, Do Good Chicken LLC, Harold N. Kamine, Justin Kamine, Matthew Kamine, and Barry Starkman**
  Delaware Chancery Court
  Breach of contract, misappropriation of trade secrets, and other tortious conduct: expert report (2022) and deposition testimony (2023) on behalf of plaintiffs regarding lost profits and unjust enrichment damages resulting from alleged unfair acts in case involving the manufacturing process for fertilizer and animal feed.

- **In the Matter of Certain Audio Players and Components Thereof (II), Investigation No. 337-TA-1330**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2023) and deposition testimony (2023) on behalf of complainant, Google LLC, regarding economic issues related to domestic industry, the amount and significance of inventory of accused products, the appropriate amount of bond during the Presidential Review Period, and commercial success in a case involving connected smart home electronic devices.

- **Sparkman & Stephens Holdings, LLC and Sparkman & Stephens, LLC v. Mystic Seaport Museum, Inc.**
  US District Court, District of Rhode Island
  Copyright infringement and breach of contract: expert report (2022) and deposition testimony (2023) on behalf of plaintiffs regarding damages in a case involving architectural plans for building ships.

- **In the Matter of Certain Soft Projectile Launching Devices, Components Thereof, Ammunition, And Products Containing Same, Investigation No. 337-TA-1325**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2022), deposition testimony (2023), and trial testimony (2023) on behalf of complainants, Hasbro, Inc. and Spin Master, Inc., regarding economic issues related to domestic industry, the amount and significance of inventory of accused products, and the appropriate amount of bond during the Presidential Review Period in investigation involving toy guns with gel pellet ammunition.

- **In the Matter of Certain Graphics Systems, Components Thereof, and Digital Televisions Containing the Same, Investigation No. 337-TA-1318**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2022) and deposition testimony (2023) on behalf of complainants, Advanced Micro Devices, Inc. and ATI Technologies ULC, regarding economic issues related to domestic industry in investigation involving semiconductor chips.

- **In the Matter of Certain Movable Barrier Operator Systems and Components Thereof, Investigation No. 337-TA-1209 – Enforcement Proceeding**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2022), deposition testimony (2022), and hearing testimony (2023) on behalf of complainants, Overhead Door Corporation and GMI Holdings, Inc., to analyze economic issues related to the statutory maximum penalty associated with the alleged violation of the remedial order.

- **In the Matter of Certain Cellular Base Station Communication Equipment, Components Thereof, and Products Containing Same, Investigation No. 337-TA-1302**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2022), deposition testimony (2022), and hearing testimony (2022) on behalf of respondents, Ericsson AB, Telefonaktiebolaget LM Ericsson, and Ericsson Inc., regarding economic issues related to public interest in case involving 5G mmWave cellular communications equipment.

- **Janssen Pharmaceuticals, Inc., Janssen Pharmaceutica NV, Janssen Research & Development, LLC v. Mylan Laboratories Limited**
  US District Court, District of New Jersey
  Hatch-Waxman: expert report (2022), deposition testimony (2022), and trial testimony (2022) on behalf of plaintiffs regarding analysis of commercial success of patented dosing regimen of Invega Trinza (paliperidone palmitate), used to treat patients with schizophrenia.

- **Merck Sharp & Dohme B.V. and Merck Sharp & Dohme Corp. v. Aurobindo Pharma Ltd., Aurobindo Pharma USA, Inc., Cadila Healthcare Limited, Dr. Reddy's Laboratories, Inc., Dr. Reddy's Laboratories Ltd., Gland Pharma Ltd, Lek Pharmaceuticals d.d., LifeStar Pharma LLC, Mankind Pharma Limited, Mylan API US LLC, Mylan, Inc., Mylan Pharmaceuticals, Inc., Sandoz, Inc., Sun Pharmaceutical Industries, Inc., Sun Pharmaceutical Industries Ltd., Teva Pharmaceuticals USA, Inc., USV Private Limited, and Zydus Pharmaceuticals USA, Inc.**
  US District Court, District of New Jersey
  Hatch-Waxman: expert report (2022) and deposition testimony (2022) on behalf of plaintiffs regarding analysis of commercial success of patented pharmaceutical product Bridion, an injectable solution of sugammadex sodium used to reverse neuromuscular block in patients undergoing surgery.

- **In the Matter of Certain Smart Thermostat, Load Control Switches, and Components Thereof, Investigation No. 337-TA-1277**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2022), deposition testimony (2022), and trial testimony (2022) on behalf of respondents Alarm.com Holdings, Inc.; Alarm.com, Incorporated; EnergyHub, Inc.; ecobee, Inc.; Itron, Inc.; Resideo Smart Homes Technology (Tiajun); and Ademco, Inc. regarding economic issues related to domestic industry and the appropriate amount of bond during the Presidential Review Period in case involving load control switches, smart thermostats, and AMI meters.

- **Vifor Fresenius Medical Care Renal Pharma Ltd. and Vifor Fresenius Medical Care Renal Pharma France S.A.S. v. Teva Pharmaceuticals USA, Inc.**
  US District Court, District of Delaware
  Hatch-Waxman: expert report (2022) and deposition testimony (2022) on behalf of plaintiffs regarding analysis of commercial success of patented pharmaceutical product Velphoro, a phosphate binder used for patients with chronic kidney disease on dialysis.

- **In the Matter of Certain Fitness Devices, Streaming Components Thereof, and Systems Containing Same, Investigation No. 337-TA-1265**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021), deposition testimony (2022), and trial testimony (2022) on behalf of respondents iFIT, Inc., FreeMotion Fitness, Inc., NordicTrack, Inc., lululemon athletica inc., Curiouser Products, Inc., and Peloton Interactive, Inc. regarding economic issues related to domestic industry and the appropriate amount of bond during the Presidential Review Period in case involving adaptive bit rate (ABR) technology used in video streaming components and systems including fitness devices.

- **In the Matter of Certain LTE-Compliant Cellular Communication Devices, Investigation No. 337-TA-1253**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021) and deposition testimony (2021) on behalf of respondents Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Motorola Mobility LLC regarding economic issues related to domestic industry, intervening rights, FRAND, and the appropriate amount of bond during the Presidential Review Period in case involving LTE-compliant cellular communication devices.

- **In the Matter of Certain High-Potency Sweeteners, Processes for Making Same, and Products Containing Same, Investigation No. 337-TA-1264**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021) and deposition testimony (2021) on behalf of complainants Celanese International Corporation, Celanese (Malta) Company 2 Limited, and Celanese Sales U.S., Ltd., regarding economic issues related to domestic industry and the amount and economic significance of inventory of the accused products in case involving Ace-K, a high-potency sweetener.

- **Rasmussen Instruments, LLC v. DePuy Synthes Products, Inc., DePuy Synthes Sales, Inc., and Medical Device Business Services, Inc.**
  US District Court, District of Massachusetts
  Patent infringement: expert report (2021), deposition testimony (2021), and trial testimony (2022) on behalf of defendants regarding reasonable royalty damages for patents related to instruments used in total knee arthroplasty (TKA).

- **In the Matter of Certain Smart Thermostat Systems, Smart HVAC Systems, Smart HVAC Control Systems, and Components Thereof, Investigation No. 337-TA-1258**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021), deposition testimony (2021), and trial testimony (2021) on behalf of respondents ecobee Ltd., ecobee, Inc., and Google LLC regarding economic issues related to domestic industry, remedy, and the appropriate amount of bond during the Presidential Review Period in case involving smart thermostats and smart HVAC systems.

- **In the Matter of Certain Vehicle Control Systems, Vehicles Containing the Same, and Components Thereof, Investigation No. 337-TA-1235**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021) and deposition testimony (2021) on behalf of respondents Audi AG, Audi of America, LLC, Automobili Lamborghini S.p.A., Automobili Lamborghini America, LLC, Porsche AG, Porsche Cars North America, Inc., Volkswagen AG, and Volkswagen Group of America, Inc., regarding economic issues related to domestic industry, remedy, public interest, bond, and commercial success, in case involving vehicle control systems and vehicles that incorporate them.

- **In the Matter of Certain Automated Storage and Retrieval Systems, Robots, and Components Thereof, Investigation No. 337-TA-1228**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021), deposition testimony (2021), and trial testimony (2021) on behalf of complainants AutoStore Technology AS, AutoStore AS, and AutoStore System Inc. regarding economic issues related to domestic industry, amount of inventory of accused products, and the appropriate amount of bond during the Presidential Review Period in case involving automated storage and retrieval systems and robots.

- **In the Matter of Certain Shingled Solar Modules, Components Thereof, and Methods for Manufacturing the Same, Investigation No. 337-TA-1223**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021), deposition testimony (2021), and trial testimony (2021) on behalf of complainant The Solaria Corporation regarding economic issues related to domestic industry, amount of inventory of accused products, and the appropriate amount of bond during the Presidential Review Period in case involving solar panels.

- **In the Matter of Certain Video Processing Devices, Components Thereof, and Digital Smart Televisions Containing the Same, Investigation No. 337-TA-1222**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021), deposition testimony (2021), and trial testimony (2021) on behalf of respondents Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., Samsung Electronics HCMC CE Complex, Co., Ltd., LG Electronics Inc., LG Electronics U.S.A., Inc., TCL Technology Group Corporation, TCL Electronics Holdings Limited, TTE Technology, Inc., Shenzhen TCL New Technologies Co. Ltd., TCL King Electrical Appliances (Huizhou) Co. Ltd., TCL MOKA International Limited, TCL Smart Device (Vietnam) Co., Ltd, and Realtek Semiconductor Corp. regarding economic issues related to domestic industry and the appropriate amount of bond during the Presidential Review Period in case involving video processing devices in digital smart televisions.

- **Zimmer, Inc. d/b/a Zimmer Biomet and Zimmer US, Inc. v. Heraeus Medical LLC, Devin Childers, Robert Kolbe, James "Worth" Burns, Paul Cruz, and Kyle Kolbe**
  Superior Court of the State of Indiana, Kosciusko County
  Misappropriation of trade secrets, tortious interference, civil conspiracy, unfair competition, and breach of contract/breach of duty of loyalty: expert reports (2020, 2021) and deposition testimony (2021) on behalf of plaintiffs regarding damages resulting from alleged unfair acts in case involving bone cements.

- **In the Matter of Certain Mobile Electronic Devices and Laptop Computers, Investigation No. 337-TA-1215**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021) and deposition testimony (2021) on behalf of complainant Maxell, Ltd. regarding economic issues related to economic prong of domestic industry and remedy in case involving mobile devices.

- **In the Matter of Certain Movable Barrier Operator Systems and Components Thereof, Investigation No. 337-TA-1209**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2021), deposition testimony (2021), and trial testimony (2021) on behalf of complainants Overhead Door Corporation and GMI Holdings, Inc. regarding economic issues related to domestic industry, remedy, bond, and commercial success in case involving garage door operators and accessories.

- **ParkerVision, Inc. v. Qualcomm, Inc. and Qualcomm Atheros, Inc.**
  US District Court, Middle District of Florida, Orlando Division
  Patent infringement: expert report (2020) and deposition testimony (2020) on behalf of defendants regarding reasonable royalty damages for patents associated with RF receiver and transmitter technology used in semiconductor chips.

- **In the Matter of Certain Audio Players and Controllers, Components Thereof, and Products Containing Same, Investigation No. 337-TA-1191**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2020) and deposition testimony (2020) on behalf of respondent Google LLC regarding economic issues related to the appropriate amount of bond during the Presidential Review Period in case involving audio players and controllers.

- **In the Matter of Certain Bone Cements and Bone Cement Accessories, Investigation No. 337-TA-1175**
  US International Trade Commission, Washington, DC
  Misappropriation of trade secrets: expert report (2020), deposition testimony (2020), and trial testimony (2020) on behalf of complainants Zimmer, Inc. and Zimmer US, Inc. regarding economic issues related to domestic industry, injury, and the appropriate amount of bond during the Presidential Review Period in case involving bone cements.

- **In the Matter of Certain High-Density Fiber Optic Equipment and Components Thereof, Investigation No. 337-TA-1194**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2020), deposition testimony (2020), and trial testimony (2020) on behalf of respondents AFL Telecommunications LLC, FS.com Inc., Leviton Manufacturing Co., Inc., Panduit Corporation, and The Siemon Company regarding economic issues related to domestic industry, remedy, and bond in case involving high-density fiber optic equipment.

- **In the Matter of Certain Smart Thermostats, Smart HVAC Systems, and Components Thereof, Investigation No. 337-TA-1185**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2020), deposition testimony (2020), and trial testimony (2020) on behalf of respondents Alarm.com Incorporated, Alarm.com Holdings, Inc., ecobee Ltd., ecobee, Inc., Google LLC, and Vivint, Inc. regarding economic issues related to domestic industry, remedy, and bond in case involving smart thermostats and smart HVAC systems.

- **Maxell, Ltd. v. Apple, Inc.**
  US District Court, Eastern District of Texas, Texarkana Division
  Patent infringement: expert report (2020) and deposition testimony (2020) on behalf of plaintiff regarding reasonable royalty damages for patents associated with a variety of technologies related to features of mobile device products.

- **Sprint Communications Company, L.P. v. Charter Communications, Inc., Charter Communications Holdings, LLC, Spectrum Management Holding Company, LLC, Charter Communications Operation, LLC, Bright House Networks, LLC**
  US District Court, District of Delaware
  Patent infringement: expert reports (2020) and deposition testimony (2020) on behalf of defendants regarding analysis of damages in the form of lost profits and reasonable royalty in case involving VoIP (Voice over Internet Protocol) technology.

- **Hytera Communications Corp. Ltd. v. Motorola Solutions, Inc.**
  US District Court, Northern District of Ohio, Eastern Division
  Patent infringement: expert report (2020) and deposition testimony (2020) on behalf of defendants regarding analysis of economic issues related to secondary considerations of non-obviousness, i.e., commercial success and reasonable royalty damages, in case involving technology related to digital mobile radios.

- **In the Matter of Certain Mobile Devices with Multifunction Emulators, Investigation No. 337-TA-1170**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2020), deposition testimony (2020), and trial testimony (2020) on behalf of respondents Samsung Electronics Co., Ltd and Samsung Electronics America, Inc., regarding economic issues related to domestic industry, remedy and bond in case involving magnetic emulators used in secure payment cards and certain mobile devices.

- **Vifor Fresenius Medical Care Renal Pharma Ltd. and Vifor Fresenius Medical Care Renal Pharma France S.A.S. v. Lupin Atlantis Holdings SA, Lupin Pharmaceuticals, Inc., and Teva Pharmaceuticals USA, Inc.**
  US District Court, District of Delaware
  Hatch-Waxman: expert report (2019), deposition testimony (2020), and trial testimony (2021) on behalf of plaintiffs regarding analysis of commercial success of patented pharmaceutical product Velphoro, a phosphate binder used for patients with chronic kidney disease on dialysis.

- **Janssen Pharmaceuticals, Inc. and Janssen Pharmaceutica NV v. Teva Pharmaceuticals USA, Inc. and Teva Pharmaceuticals Industries Ltd.**
  US District Court, District of New Jersey
  Hatch-Waxman: expert report (2019), deposition testimony (2019), and trial testimony (2020) on behalf of plaintiffs regarding analysis of commercial success of patented pharmaceutical product Invega Sustenna, an antipsychotic drug for the treatment of schizophrenia and schizoaffective disorder.

- **In the Matter of Certain Bone Cements, Components Thereof and Products Containing the Same, Investigation No. 337-TA-1153**
  US International Trade Commission, Washington, DC
  Misappropriation of trade secrets: expert report (2019), deposition testimony (2019), and trial testimony (2020) on behalf of respondents Zimmer Biomet Holdings, Inc.; Biomet, Inc.; Zimmer Surgical, Inc.; Biomet France S.A.R.L.; Biomet Deutschland GmbH; Zimmer Biomet Deutschland GmbH; Biomet Global Supply Chain Center B.V.; Zimmer Biomet Nederland B.V.; Biomet Orthopedics, LLC; Biomet Orthopaedics Switzerland GmbH; Zimmer US, Inc.; Zimmer, GmbH; and Biomet Manufacturing, LLC, regarding economic issues related to domestic industry, injury, and the appropriate amount of bond during the Presidential Review Period in case involving bone cements.

- **In the Matter of Certain Botulinum Toxin Products, Processes for Manufacturing or Relating to Same, and Certain Products Containing Same, Investigation No. 337-TA-1145**
  US International Trade Commission, Washington, DC
  Misappropriation of trade secrets: expert report (2019), deposition testimony (2019), and trial testimony (2020) on behalf of respondents Daewoong Pharmaceuticals Co., Ltd., Daewoong Co., Ltd., and Evolus, Inc., regarding economic issues related to domestic industry, injury, and the appropriate amount of bond during the Presidential Review Period in case involving botulinum toxin products.

- **Adapt Pharma Operations Limited, Adapt Pharma, Inc., Adapt Pharma Limited, and Opiant Pharmaceuticals, Inc. v. Teva Pharmaceuticals USA, Inc. and Teva Pharmaceuticals Industries Ltd.**
  US District Court, District of New Jersey
  Hatch-Waxman: expert report (2019) and deposition testimony (2019) on behalf of plaintiffs regarding analysis of commercial success of patented pharmaceutical product Narcan Nasal Spray (naloxone hydrochloride), used in the treatment of opioid overdose.

- **In the Matter of Certain Electronic Nicotine Delivery Systems and Components Thereof, Investigation No. 337-TA-1139**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2019), deposition testimony (2019), and trial testimony (2019) on behalf of complainant Juul Labs, Inc., regarding economic issues related to domestic industry, amount of inventory of accused products, bond, and certain considerations of non-obviousness in case involving e-cigarettes.

- **AgroFresh, Inc. v. Essentiv LLC, Decco U.S. PostHarvest, Inc., and Cerexagri, Inc. d/b/a Deco Post-Harvest**
  US District Court, District of Delaware
  Patent infringement, unfair competition, and misappropriation of trade secrets: expert report (2018), deposition testimony (2019), and trial testimony (2019) on behalf of defendants, responding to plaintiff's claims of damages in case involving agricultural chemicals.

- **In the Matter of Certain Beverage Dispensing Systems and Components Thereof, Investigation No. 337-TA-1130**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2018), deposition testimony (2019), and trial testimony (2019) on behalf of complainants Heineken International B.V., Heineken Supply Chain B.V., and Heineken USA Inc. regarding economic issues related to domestic industry, amount of inventory of accused products, and bond in case involving draft beer dispensing systems.

- **Amgen, Inc., Amgen Manufacturing, Ltd., and Amgen USA, Inc. v. Sanofi, Sanofi-Aventis U.S., LLC, Aventisub, LLC, f/d/b/a/ Aventis Pharmaceuticals, Inc., and Regeneron Pharmaceuticals, Inc. ("Remand Proceeding")**
  US District Court, District of Delaware
  Patent infringement: expert report (2018) and deposition testimony (2018) on behalf of defendants regarding lost profits, price erosion, and reasonable royalty damages in case involving biologic product, PCSK9 inhibitor.

- **In the Matter of Certain Mobile Electronic Devices and Radio Frequency and Processing Components Thereof, Investigation No. 337-TA-1093**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2018), deposition testimony (2018), and trial testimony (2018) on behalf of complainant Qualcomm Incorporated regarding economic issues related to public interest in case involving smartphones and tablets that incorporate baseband processor modems.

- **In the Matter of Certain Road Construction Machines and Components Thereof, Investigation No. 337-TA-1088**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2018), deposition testimony (2018), and trial testimony (2018) on behalf of respondents Wirtgen GmbH, Joseph Vögele AG, Wirtgen Group Holding GmbH, and Wirtgen America, Inc., regarding economic issues related to domestic industry, commercial success, and bond in case involving road construction equipment.

- **In the Matter of Certain Thermoplastic-Encapsulated Electric Motors, Components Thereof, and Products and Vehicles Containing Same II, Investigation No. 337-TA-1073**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2018), deposition testimony (2018), and trial testimony (2018) on behalf of respondents Aisin Seiki Co., Ltd.; Aisin Holdings of America, Inc.; Aisin Technical Center of America, Inc.; Aisin World Corp. of America; Bayerische Motoren Werke AG; BMW of North America, LLC; BMW Manufacturing Co., LLC; Honda Motor Co., Ltd.; Honda North America, Inc.; American Honda Motor Co., Inc.; Honda of America Mfg., Inc.; Honda Manufacturing of Alabama, LLC; Honda R&D Americas, Inc.; Nidec Corporation; Nidec Automotive Motor Americas, LLC; Toyota Motor Corporation; Toyota Motor North America, Inc.; Toyota Motor Sales, U.S.A., Inc.; Toyota Motor Engineering and Manufacturing North America, Inc.; Toyota Motor Manufacturing, Indiana, Inc.; and Toyota Motor Manufacturing, Kentucky, Inc. regarding economic issues related to domestic industry in case involving fuel pumps, electric water pumps, power steering motors, and actuators.

- **In the Matter of Certain Mobile Electronic Devices and Radio Frequency and Processing Components Thereof, Investigation No. 337-TA-1065**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2018), deposition testimony (2018), and trial testimony (2018) on behalf of complainant Qualcomm Incorporated regarding economic issues related to public interest in case involving smartphones and tablet computers which incorporate baseband processor modems.

- **Takeda Pharmaceuticals USA, Inc. v. West-Ward Pharmaceutical Corporation, Hikma Americas, Inc., and Hikma Pharmaceuticals, PLC**
  US District Court, District of Delaware
  Patent infringement: expert report (2018) and deposition testimony (2018) on behalf of plaintiffs regarding lost profits related to temporary restraining order in case involving oral colchicine tablets.

- **In the Matter of Certain Microfluidic Devices, Investigation No. 337-TA-1068**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2018), deposition testimony (2018), and trial testimony (2018) on behalf of complainants Bio-Rad Laboratories, Inc. and Lawrence Livermore National Security, LLC, regarding economic issues related to domestic industry, bond, and amount and value of inventory of accused products, and public interest in case involving microfluidic devices used in analyzing biological samples for health care research.

- **In the Matter of Certain Road Milling Machines and Components Thereof, Investigation No. 337-TA-1067**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2018), deposition testimony (2018), and trial testimony (2018) on behalf of complainant Wirtgen America, Inc., regarding economic issues related to domestic industry, bond, amount and value of inventory of accused products, and commercial success in case involving road milling machines.

- **Maxell, Ltd. v. ZTE Corporation and ZTE USA, Inc.**
  US District Court, Eastern District of Texas, Texarkana Division
  Patent infringement: expert report (2018), deposition testimony (2018), and trial testimony (2018) on behalf of plaintiff Maxell, Ltd., regarding reasonable royalty damages for patents associated with a variety of technologies related to features of mobile device products.

- **Maxell, Ltd. v. Huawei Device USA, Inc. and Huawei Device Co., Ltd.**
  US District Court, Eastern District of Texas, Texarkana Division
  Patent infringement: expert report (2018) and deposition testimony (2018) on behalf of plaintiff Maxell, Ltd., regarding reasonable royalty damages for patents associated with a variety of technologies related to features of mobile device products.

- **AMAG Pharmaceuticals, Inc. v. Sandoz, Inc.**
  US District Court, District of New Jersey
  Hatch-Waxman: expert reports (2017) and deposition testimony (2017) on behalf of plaintiff regarding analysis of commercial success of patented pharmaceutical product Feraheme (ferumoxytol), which is used to treat iron deficiency anemia, and economic analysis regarding statutory permanent injunction factors.

- **In the Matter of Certain Digital Cable and Satellite Products, Set-Top Boxes, Gateways, and Components Thereof, Investigation No. 337-TA-1049**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2017) and deposition testimony (2017) on behalf of complainants Sony Corporation and Sony Electronics, Inc., regarding economic issues related to domestic industry in case involving digital televisions, set-top boxes, and media gateways.

- **In the Matter of Certain Semiconductor Devices and Consumer Audiovisual Products Containing the Same, Investigation No. 337-TA-1047**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2017), deposition testimony (2017), and trial testimony (2017) on behalf of complainant Broadcom Corporation regarding economic issues related to domestic industry, bond, and amount and value of inventory of accused products, in case involving SOC semiconductor devices and products that incorporate them including Blu-Ray players, DVD players, and digital televisions.

- **In the Matter of Certain Graphics Systems, Components Thereof, and Consumer Products Containing the Same, Investigation No. 337-TA-1044**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2017) and deposition testimony (2017) on behalf of complainants Advanced Micro Devices, Inc. and ATI Technologies ULC regarding economic issues related to domestic industry in case involving semiconductor components such as APUs and GPUs.

- **In the Matter of Certain Carbon and Alloy Steel Products, Investigation No. 337-TA-1002**
  US International Trade Commission, Washington, DC
  Unfair competition: expert report (2017) and deposition testimony (2017) on behalf of respondents Shanghai Baosteel Group Corporation; Baoshan Iron & Steel Co., Ltd.; Baosteel America, Inc.; Hebei Iron and Steel Group Co., Ltd.; Hebei Iron & Steel Group Hengshui Strip Rolling Co., Ltd.; Hebei Iron & Steel (Hong Kong) International Trade Co., Ltd.; Jiangsu Shagang Group; Jiangsu Shagang International Trade Co., Ltd.; Anshan Iron and Steel Group; Angang Group International Trade Corporation; Angang Group Hong Kong Co. Ltd.; Wuhan Iron and Steel Group Corp.; Wuhan Iron and Steel Co., Ltd.; WISCO America Co., Ltd.; Shougang Corporation; China Shougang International Trade & Engineering Corporation; Magang Group Holding Co. Ltd.; and Maanshan Iron and Steel Co. Ltd. regarding economic issues related to domestic industry and injury in case involving the importation of steel by respondents with a false designation of origin and misappropriation of trade secrets.

- **EndoEvolution, LLC v. Ethicon Endo-Surgery, Inc.**
  American Arbitration Association, International Center for Dispute Resolution
  Breach of contract, fraud, and misappropriation of trade secrets: expert report (2017) and hearing testimony (2017) on behalf of defendant, Ethicon, regarding monetary compensation resulting from alleged misappropriation of trade secrets relating to medical device used for minimally invasive surgery.

- **In the Matter of Certain Passenger Vehicle Automotive Wheels, Investigation No. 337-TA-1006**
  US International Trade Commission, Washington, DC
  Design patent and trademark infringement: expert report (2016) on behalf of complainant Daimler AG regarding economic issues related to domestic industry in case involving passenger vehicle automotive wheels.

- **Odyssey Wireless, Inc. v. Motorola Mobility LLC**
  US District Court, Southern District of California, San Diego Division
  Patent infringement: expert report (2016) and deposition testimony (2016) on behalf of defendants regarding reasonable royalty damages for patents associated with technology related to the LTE telecommunications standard.

- **In the Matter of Certain Radio Frequency Identification ("RFID") Products and Components Thereof, Investigation No. 337-TA-979**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2016), deposition testimony (2016), and trial testimony (2016) on behalf of respondents Kapsch and Star regarding economic issues related to public interest, bond, and commercial success in case involving RFID technology used in electronic toll collection systems.

- **VideoShare, LLC v. Google, Inc. and YouTube, LLC**
  US District Court, District of Delaware
  Patent infringement: expert report (2016) and deposition testimony (2016) on behalf of defendants regarding reasonable royalty damages in case involving technology related to video sharing, uploading, and conversion.

- **Amgen, Inc. v. Sanofi, Sanofi-Aventis U.S., LLC, Aventisub, LLC, f/d/b/a/ Aventis Pharmaceuticals, Inc., and Regeneron Pharmaceuticals, Inc.**
  US District Court, District of Delaware
  Patent infringement: expert report (2015) and deposition testimony (2016) on behalf of defendants regarding lost profits, price erosion, and reasonable royalty damages in case involving biologic product, PCSK9 inhibitor.

- **CardiAQ Valve Technologies, Inc. v. Neovasc, Inc. and Neovasc Tiara, Inc.**
  US District Court, District of Massachusetts
  Breach of contract, fraud, and misappropriation of trade secrets: expert report (2015), deposition testimony (2016), and trial testimony (2016) on behalf of defendants in case involving mitral valve implants for the heart.

- **In the Matter of Certain Lithium Metal Oxide Cathode Materials, Lithium-Ion Batteries Containing Same, and Products with Lithium-Ion Batteries Containing Same, Investigation No. 337-TA-951**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2015) and deposition testimony (2015) on behalf of complainants BASF Corporation and UChicago Argonne LLC regarding economic issues related to domestic industry, remedy, bond, and public interest in case involving cathode materials used in lithium-ion batteries.

- **In the Matter of Certain Graphics Processing Chips, Systems on a Chip, and Products Containing the Same, Investigation No. 337-TA-941**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2015), deposition testimony (2015), and trial testimony (2015) on behalf of complainant Samsung regarding domestic industry, remedy, bond, and public interest in case involving GPU and SOC semiconductor devices.

- **The Washington University v. Wisconsin Alumni Research Foundation**
  US District Court, District of Delaware
  Breach of contract: expert report (2015), deposition testimony (2015), and trial testimony (2018) on behalf of defendant regarding damages arising from alleged breach of contract involving pharmaceutical product Zemplar.

- **In the Matter of Certain Windshield Wipers and Components Thereof, Investigation No. 337-TA-937**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2015), deposition testimony (2015), and trial testimony (2015) on behalf of complainants Valeo North America, Inc. and Delmex de Juarez S. de R.L. de C.V. regarding domestic industry in case involving windshield wipers.

- **In the Matter of Certain Dental Implants, Investigation No. 337-TA-934**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2015), deposition testimony (2015), and trial testimony (2015) on behalf of respondent Neodent regarding domestic industry in case involving dental implants.

- **In the Matter of Certain Formatted Magnetic Data Storage Tapes and Cartridges Containing the Same, Investigation No. 337-TA-931**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2015) and deposition testimony (2015) on behalf of respondents IBM and Oracle regarding public interest in case involving magnetic tape data storage systems.

- **In the Matter of Certain Sulfentrazone, Sulfentrazone Compositions, and Processes for Making Sulfentrazone, Investigation No. 337-TA-914**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports and trial testimony (2014 and 2015) on behalf of complainant FMC Corporation regarding domestic industry in case involving agricultural herbicide products.

- **In the Matter of Certain Devices Containing Non-volatile Memory and Products Containing the Same, Investigation No. 337-TA-922**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2015) on behalf of respondent Spansion Inc. regarding remedy, bond, and public interest in case involving non-volatile memory including NAND flash memory.

- **Comcast v. Sprint**
  US District Court, District of Delaware
  Patent infringement: expert reports (2014), deposition testimony (2014), and trial testimony (2014) on behalf of plaintiff Comcast regarding reasonable royalty damages in case involving telecommunications network technology.

- **In the Matter of Certain Antivenom Compositions and Products Containing the Same, Investigation No. 337-TA-903**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2014) and deposition testimony (2014) on behalf of complainant BTG regarding domestic industry, remedy, bond, and public interest in case involving antivenoms used in treating snake bites.

- **Louis Vuitton Malletier S.A., v. Sunny Merchandise Corp., et.al.**
  US District Court, Southern District of New York
  Trademark infringement: expert report (2014) and deposition testimony (2014) on behalf of plaintiff Louis Vuitton Malletier, S.A., regarding actual and unjust enrichment damages in case involving alleged use of Louis Vuitton trademarks on eyewear.

- **In the Matter of Certain Navigation Products, Including GPS Devices, Navigation and Display Systems, Radar Systems, Navigational Aids, Mapping Systems, and Related Software, Investigation No. 337-TA-900**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2014) and deposition testimony (2014) on behalf of complainant Furuno Electric Co. regarding domestic industry, remedy, bond, and public interest in case involving marine navigation devices.

- **Mylan v. GlaxoSmithKline**
  US District Court, District of New Jersey
  Breach of contract: expert reports (2011 and 2013), deposition testimony (2011 and 2014), and trial testimony (2014) responding to plaintiff's claims of damages resulting from breach of contract involving generic pharmaceutical product.

- **In the Matter of Certain Integrated Circuit Chips and Products Containing Same, Investigation No. 337-TA-859**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2013), deposition testimony (2013), and trial testimony (2014) on behalf of respondents LSI Corporation and Seagate Technology regarding domestic industry and bond in Section 337 case involving semiconductor technology.

- **Walker Digital, LLC v. Google, Inc.**
  US District Court, District of Delaware
  Patent infringement: expert report (2013) and deposition testimony (2014) regarding reasonable royalty damages for patent infringement case involving patents related to anonymous communication technology used in social networks.

- **In the Matter of Certain TV Programs, Literary Works for TV Production and Episode Guides Pertaining to Same, Investigation No. 337-TA-886**
  US International Trade Commission, Washington, DC
  Copyright infringement and unfair competition: expert report (2013) and deposition testimony (2014) on behalf of respondents The Walt Disney Company and Thunderbird Films, Inc., regarding the existence of a domestic industry and injury to a domestic industry in Section 337 case involving literary works related to a pilot television series.

- **In the Matter of Certain Microelectromechanical Systems ("MEMS Devices") and Products Containing Same, Investigation No. 337-TA-876**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2013) and deposition testimony (2013) on behalf of complainant ST Microelectronics, Inc., regarding domestic industry, remedy, cease and desist order, and bond in Section 337 case involving microelectromechanical (MEMS) devices.

- **In the Matter of Certain Wireless Communications Equipment and Articles Therein, Investigation No. 337-TA-866**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2013), deposition testimony (2013), and trial testimony (2013) on behalf of complainants Samsung Electronics Co., Ltd. and Samsung Telecommunications America, LLC, regarding domestic industry, remedy, cease and desist order, and bond in Section 337 case involving wireless communications equipment.

- **Organogenesis, Inc. v. Vincent Ronfard and Healthpoint, Ltd.**
  Commonwealth of Massachusetts Superior Court, Suffolk County
  Breach of contract, unfair competition, and misappropriation of trade secrets: expert report (2013) and deposition testimony (2013) on behalf of plaintiff regarding damages arising from alleged violations relating to employment contract for companies in biopharmaceutical industry.

- **In the Matter of Certain Products Having Laminated Packaging, and Components Thereof, Investigation No. 337-TA-874**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2013), deposition testimony (2013), and trial testimony (2013) on behalf of respondents Remy Cointreau USA, Inc.; Pernod Ricard USA LLC; John Jameson Import Company; Moët Hennessy USA, Inc.; Champagne Louis Roederer; Maisons Marques & Domaines USA Inc.; Freixenet USA, Inc.; L'Oreal USA, Inc.; Hasbro, Inc.; Cognac Ferrand USA Inc.; Diageo North America, Inc.; WJ Deutsch & Sons Ltd.; and Beats Electronics LLC regarding domestic industry in Section 337 case involving products having laminated packaging.

- **In the Matter of Certain Projectors with Controlled-Angle Retarders, Components Thereof, and Products Containing Same, Investigation No. 337-TA-815**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2012) and deposition testimony (2012) on behalf of respondents Sony Corporation, Sony Corporation of America, and Sony Electronics Inc. regarding domestic industry in Section 337 case involving projectors.

- **In the Matter of Certain Dynamic Random Access Memory and NAND Flash Memory Devices and Products Containing Same, Investigation No. 337-TA-803**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2012) and deposition testimony (2012) on behalf of respondents Elpida Memory, Inc.; Elpida Memory (USA) Inc.; Hynix Semiconductor Inc.; Hynix Semiconductor America, Inc.; Acer Inc.; Acer America Corp.; ADATA Technology Co., Ltd; ADATA Technology (USA) Co., Ltd.; Asustek Computer Inc.; Asus Computer International; Dell, Inc.; Hewlett-Packard Company; Kingston Technology Co., Inc.; Logitech International S.A.; Logitech, Inc.; Best Buy Co., Inc.; and Wal-Mart Stores, Inc., regarding domestic industry, remedy, bond, and public interest in Section 337 case involving DRAM and NAND flash memory devices.

- **Genentech, Inc. v. UCB Celltech**
  American Arbitration Association, International Center for Dispute Resolution
  Breach of contract: expert reports (2012) and hearing testimony (2012) on behalf of plaintiff regarding damages arising from alleged breach of contract and fraud involving pharmaceutical products.

- **Apple Inc. and Next Software, Inc. (f/k/a Next Computer, Inc.) v. Motorola, Inc., and Motorola Mobility, Inc.**
  US District Court, Northern District of Illinois
  Patent infringement: expert report (2012) and deposition testimony (2012) on behalf of Motorola, Inc., and Motorola Mobility, Inc., regarding damages due Motorola associated with alleged infringement of patents directed to wireless communications functionality.

- **In the Matter of Certain Electronic Devices, Including Wireless Communication Devices, Portable Music and Data Processing Devices, and Tablet Computers, Investigation No. 337-TA-794**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2012), deposition testimony (2012), and trial testimony (2012) on behalf of complainants Samsung Electronics Co., Ltd. and Samsung Telecommunications America, LLC, regarding domestic industry in Section 337 case involving certain electronic devices.

- **Automated Merchandising Systems, Inc. v. Crane Co., and Seaga Manufacturing, Inc.**
  US District Court, Northern District of West Virginia
  Patent infringement: expert report (2011) regarding lost profits and reasonable royalty damages for patent infringement involving vending machines.

- **In the Matter of Certain Mobile Devices and Related Software, Investigation No. 337-TA-750**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2011) and deposition testimony (2011) on behalf of respondents Motorola Mobility, Inc. and Motorola Solutions, Inc., regarding domestic industry and appropriate amount of bond in Section 337 case involving mobile devices.

- **In the Matter of Certain Liquid Crystal Display Devices, Including Monitors, Televisions, and Modules, and Components Thereof, Investigation No. 337-TA-749C**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2011), deposition testimony (2011), and trial testimony (2011) on behalf of respondents AU Optronics Corporation; BenQ Corporation; Chimei InnoLux Corporation; MStar Semiconductor, Inc.; and Qisda Corporation regarding domestic industry in Section 337 case involving LCD displays.

- **In the Matter of Certain Wireless Communication Devices, Portable Music and Data Processing Devices, Computers and Components Thereof, Investigation No. 337-TA-745**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2011) and deposition testimony (2011) on behalf of complainant Motorola Mobility Inc. regarding domestic industry and certain secondary considerations of non-obviousness in Section 337 case involving wireless communication devices.

- **Paone v. Microsoft Corp.**
  US District Court, Eastern District of New York
  Patent infringement: expert reports (2008 and 2011) and deposition testimony (2009 and 2011) regarding reasonable royalty damages for patent infringement case involving patent related to encryption technology used in computer software.

- **Intex Recreation Corp. v. Team Worldwide Corp.**
  US District Court, Washington, DC
  Patent infringement: expert reports (2006 and 2011) and deposition testimony (2006) in a patent infringement case involving inflatable air mattresses. Provided testimony on lost profits and reasonable royalty damages.

- **B. Braun Melsungen et al. v. Terumo Medical Corp. et al.**
  US District Court, District of Delaware
  Patent infringement: expert report (2010), deposition testimony (2010), and trial testimony (2010) regarding commercial success of safety IV catheter and contribution of patented technology.

- **Touchcom v. Bereskin & Parr et al.**
  US District Court, Eastern District of Virginia
  Professional negligence: expert report (2010) and deposition testimony (2010) regarding damages due to plaintiff as a result of defendant's alleged malpractice in preparing and prosecuting patent application directed to interactive fuel pump system.

- **In the Matter of Certain DC-DC Controllers and Products Containing Same, Investigation No. 337-TA-698**
  US International Trade Commission, Washington, DC
  Patent infringement and misappropriation of trade secrets: expert report (2010) and deposition testimony (2010) on behalf of respondents uPI Semiconductor Corp. and Sapphire Technology regarding injury to domestic industry and scope of exclusion order in Section 337 case involving DC-DC controllers.

- **In the Matter of Certain MLC Flash Memory Devices and Products Containing Same, Investigation No. 337-TA-683**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2010), deposition testimony (2010), and trial testimony (2010) on behalf of respondent Samsung regarding domestic industry, scope of exclusion order, and appropriate amount of bond in Section 337 case involving patents directed to multi-level cell flash memory technology.

- **In the Matter of Certain Semiconductor Integrated Circuits and Products Containing Same, Investigation No. 337-TA-665**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2009), deposition testimony (2009), and trial testimony (2009) on behalf of respondents LSI and Seagate regarding domestic industry and scope of exclusion order in Section 337 case involving patents directed to semiconductor design and manufacturing processes.

- **McKesson v. Epic**
  US District Court, Northern District of Georgia
  Patent infringement: expert report (2009) and deposition testimony (2009) regarding reasonable royalty damages for patent infringement case involving patent related to health information software.

- **Samsung Electronics v. ON Semiconductor Corp.**
  US District Court, District of Delaware
  Patent infringement: expert reports (2008) and deposition testimony (2008) regarding reasonable royalty damages for patent infringement case involving patents directed to semiconductor manufacturing processes and products.

- **In the Matter of Certain Semiconductor Chips with Minimized Chip Package Size and Products Containing Same, Investigation No. 337-TA-630**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2008), deposition testimony (2008), and trial testimony (2008) on behalf of respondents Kingston, ProMOS, Elpida, and Nanya regarding scope of exclusion order and appropriate amount of bond in Section 337 case involving semiconductor packaging technology.

- **In the Matter of Certain Baseband Processor Chips and Chipsets, Transmitter and Receiver (Radio) Chips, Power Control Chips and Products Containing Same, Including Cellular Telephone Handsets, Investigation No. 337-TA-543 – Enforcement Proceeding**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2008), deposition testimony (2008), and trial testimony (2008) on behalf of complainant Broadcom regarding claim that respondent violated cease and desist order. Provided testimony related to maximum value of penalty associated with alleged violations.

- **adidas America v. Wal-Mart**
  US District Court, District of Oregon
  Trademark infringement: expert report (2008) and deposition testimony (2008) regarding reasonable royalty damages for trademark infringement case involving striped footwear.

- **In the Matter of Certain Semiconductor Chips with Minimized Chip Package Size and Products Containing Same, Investigation No. 337-TA-605**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2008), deposition testimony (2008), and trial testimony (2008) on behalf of respondent ST Microelectronics regarding domestic industry, scope of exclusion order, and appropriate amount of bond to be set for products covered by exclusion order during Presidential Review Period in Section 337 case involving semiconductor packaging technology.

- **JDB Medical, Inc. and James D. Beeton, Flint Medical, Inc. and Keith Flint v. The Sorin Group, S.p.A. and ELA Medical, Inc.**
  US District Court, District of Colorado
  Breach of contract damages: expert report (2007) and deposition testimony (2008) responding to plaintiff's claim of damages resulting from breach of a sales agreement involving cardiac rhythm management devices.

- **TruePosition v. Andrew Corp.**
  US District Court, District of Delaware
  Patent infringement: expert report (2006), deposition testimony (2007), and trial testimony (2007) on behalf of plaintiff TruePosition in a patent infringement case involving cellular telephone location equipment. Provided testimony on lost profits damages.

- **In the Matter of Certain NOR and NAND Flash Memory Devices and Products Containing Same, Investigation No. 337-TA-560**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2006), deposition testimony (2006), and trial testimony (2006) on behalf of respondent ST Microelectronics regarding domestic industry, scope of exclusion order, and appropriate amount of bond to be set for products covered by exclusion order during Presidential Review Period in Section 337 case involving NAND and NOR flash memory products.

- **In the Matter of Certain Flash Memory Devices and Components Thereof, and Products Containing Such Devices and Components, Investigation No. 337-TA-552**
  US International Trade Commission, Washington, DC
  Patent infringement: expert report (2006) and deposition testimony (2006) on behalf of respondent Hynix regarding certain secondary considerations, domestic industry, scope of exclusion order, and appropriate amount of bond to be set during Presidential Review Period in Section 337 case involving NAND flash memory products.

- **In the Matter of Certain Baseband Processor Chips and Chipsets, Transmitter and Receiver (Radio) Chips, Power Control Chips and Products Containing Same, Including Cellular Telephone Handsets, Investigation No. 337-TA-543**
  US International Trade Commission, Washington, DC
  Patent infringement: expert reports (2005 and 2006), deposition testimony (2006), and trial testimony (2006) on behalf of complainant Broadcom regarding scope of exclusion order associated with baseband and radio chips used in cellular telephones and other handheld devices in Section 337 case.

- **In the Matter of Certain NAND Flash Memory Circuits and Products Containing the Same, Investigation No. 337-TA-526**
  US International Trade Commission, Washington, DC
  Patent infringement: rebuttal expert report and deposition testimony (2005) on behalf of respondent ST Microelectronics regarding domestic industry, scope of exclusion order, and appropriate amount of bond to be set for products covered by exclusion order during Presidential Review Period in Section 337 case involving NAND flash memory products.

- **PDI, Inc. v. Cellegy Pharmaceuticals, Inc.**
  US District Court, Northern District of California, San Francisco
  Commercial damages: expert report and deposition testimony (2005) regarding analysis of damages arising from claims of fraud and breach of contract in case involving male testosterone hormone replacement therapy.

- **Minuteman Trucks, Inc. v. HN80 Corporation and Sterling Truck Corp.**
  Superior Court of Massachusetts, Suffolk County
  Commercial damages: rebuttal expert report and trial testimony (2004) regarding issues related to calculation of damages associated with alleged violation of Massachusetts statute regarding dealer pricing in case involving heavy trucks.

- **Miltope Corporation and IV Phoenix Group Inc, v. DRS Technologies et al.**
  US District Court, Eastern District of New York
  Misappropriation of trade secrets: expert report and deposition testimony (2003) on reasonable royalty damages in case involving rugged personal computers.

- **John W. Evans, et al., v. General Motors Corp.**
  Superior Court of Connecticut, Judicial District of Waterbury at Waterbury
  Misappropriation of trade secrets: expert report and deposition testimony (2002) and trial testimony (2003) on reasonable royalty damages in case involving automotive engine technology.

- **SRAM Corporation v. AD-II Engineering, Inc.**
  US District Court, Northern District of Illinois
  Patent infringement: expert report and deposition testimony (2002) on reasonable royalty damages due patent holder and lost profits due alleged infringer arising from allegedly false accusations involving patents related to bicycle twist shifters.

- **Qwest Communications International et al. v. WorldQuest Networks, Inc.**
  US District Court, Eastern District of Virginia
  Trademark infringement and unfair competition: expert report on damages in case involving sales of prepaid calling cards.

- **The Quigley Corporation v. GumTech International, et al.**
  US District Court, Eastern District of Pennsylvania
  Patent infringement: expert report and deposition testimony (2001) on damages in case involving patent related to the use of zinc gluconate to reduce the duration of the common cold.

- **Cytyc Corporation v. Autocyte, Inc.**
  US District Court, District of Delaware
  Patent infringement: expert report and deposition testimony (2000) on damages in case involving liquid-based cervical cancer screening tests.

- **Hearthstone, Inc. v. Ronald M. Hawes, et al.**
  US District Court, Eastern District of Virginia
  Copyright and trademark infringement, breach of contract, and unfair competition: expert report on damages involving architectural plans for log homes.

SELECTED LITIGATION CONSULTING ASSIGNMENTS

Commercial Damages/Intellectual Property

- **Cubist v. Teva**
  US District Court, District of Delaware
  Hatch-Waxman: analysis of commercial success of patented pharmaceutical product Cubicin (daptomycin).
- **Cubist v. Hospira**
  US District Court, District of Delaware
  Hatch-Waxman: analysis of commercial success of pharmaceutical product Cubicin (daptomycin).
- **Nokia v. Apple**
  US District Court, District of Delaware
  Patent infringement: analysis of issues associated with determination of FRAND royalty for patents incorporated in wireless telecommunications products on behalf of Nokia.
- **Novartis v. Teva**
  US District Court, District of Delaware
  Hatch-Waxman: analysis of commercial success of patented pharmaceutical products Zometa and Reclast (zoledronic acid).
- **Nokia v. Qualcomm**
  Delaware Chancery Court
  Commercial litigation: analysis of issues associated with determination of FRAND royalty for patents incorporated in wireless communications products on behalf of Nokia.
- **O2 Micro v. Samsung Electronics**
  US District Court, Eastern District of Texas
  Patent damages: analysis of plaintiff's claims with respect to reasonable royalty damages for patents directed to technology used in LCD screens.
- **GlaxoSmithKline v. Ranbaxy**
  US District Court, District of New Jersey
  Hatch-Waxman: analysis of commercial success of patented pharmaceutical product Valtrex (valacyclovir hydrochloride).
- **Medinol Ltd. v. Boston Scientific Corp.**
  US District Court, Southern District of New York
  Breach of contract damages: analysis of damages resulting from allegations of breach of contract and misappropriation of trade secrets in case involving coronary stents.

- **Burst.Com v. Microsoft Corp.**
  US District Court, District of Maryland
  Patent and trade secrets damages: analysis of reasonable royalty damages in case involving software used for streaming media. Response to plaintiff's claim of lost profits damages and unjust enrichment arising from misappropriation of trade secrets.

- **Medtronic AVE v. Advanced Cardiovascular Systems and Guidant Corp.**
  US District Court, District of Delaware
  Patent and trade secrets damages: analysis of lost profits and reasonable royalty damages in case involving coronary stents. Response to plaintiff's claim of damages arising from misappropriation of trade secrets.

- **Titan Sports, Inc., etc. v. Turner Broadcasting Systems, Inc. et al.**
  US District Court, District of Connecticut
  Copyright and trademark damages: unjust enrichment due to misappropriation of intellectual property involving two popular wrestling characters.

- **Stairmaster Sports/Medical Products, a Limited Partnership v. Groupe Procycle, Inc. et al.**
  US District Court, District of Delaware
  Patent damages: lost profits, reasonable royalty, and prejudgment interest involving patent directed to stair-climbing fitness equipment.

- **BTG v. Magellan Corp./BTG v. Trimble Navigation**
  US District Court, Eastern District of Pennsylvania
  Patent damages/intervening rights: reasonable royalty, prejudgment interest, value of inventory on hand, preparation and investments made, and business commenced (as of patent reissue) involving a patent directed to secret or secure communications technology employed in global positioning system products.

- **Joint Medical Products Corp. v. DePuy Orthopaedics, Inc. et al.**
  US District Court, District of Connecticut
  Patent damages: lost profits and reasonable royalty for patents directed to orthopedic implants.

- **Cordis Corp. v. SciMed Life Systems, Inc.**
  US District Court, District of Minnesota
  Patent damages: lost profits, reasonable royalty, and prejudgment interest for patent directed to balloon catheters used in Percutaneous Transluminal Coronary Angioplasty (PTCA).

- **Nexstar Pharmaceuticals, Inc. v. The Liposome Company**
  US District Court, District of Delaware
  Patent damages/intervening rights: valuation of inventory on hand, preparations and investments made, and business commenced (as of patent reissuance) involving patents directed to lipid formulations of an anti-fungal pharmaceutical.

- **Autonation, Inc. v. Acme Commercial Corp., at al. (CarMax)**
  US District Court, Southern District of Florida
  Trademark infringement/unfair competition: reasonable royalty associated with trademark infringement and unfair competition in the auto superstore business.

- **General Motors (GM) v. Lopez**
  US District Court, Eastern District of Michigan
  Trade secrets: analysis of GM damages and Volkswagen unjust enrichment due to alleged theft of trade secrets by former GM employee.

Antitrust Litigation

- **Joe Comes et al. v. Microsoft Corp.**
  Iowa District Court for Polk County
  Analysis of economics of computer software industry and resulting implications for market structure and firm profitability.

- **Daniel Gordon et al. v. Microsoft Corp.**
  Minnesota District Court for Hennepin County
  Analysis of economics of computer software industry and resulting implications for market structure and firm profitability.

- **Burst.Com, Inc. v. Microsoft Corp.**
  US District Court, District of Maryland
  Examination and evaluation of plaintiff's business strategy and likely implications with respect to plaintiff's claims of actual damages due to alleged antitrust violations.

- **In Re Microsoft Corp. Antitrust Litigation – All Purchaser Actions**
  US District Court, District of Maryland
  Analysis of economics of computer software industry and resulting implications for market structure and firm profitability.

- **Microsoft I-V Cases**
  Superior Court of The State of California, for The City and County of San Francisco
  Analysis of economics of computer software industry and resulting implications for market structure and firm profitability.

- **Vitamin Antitrust Litigation**
  US District Court, District of Columbia
  Preliminary analysis of factors affecting supply and demand for Vitamin C.

- **Industrial Silicon Antitrust Litigation**
  US District Court, Western District of Pennsylvania
  Analysis of issues related to likelihood of successful cartelization in production of industrial ferrosilicon, magnesium ferrosilicon, and silicon metal.

- **Independent Service Provider v. IBM**
  Texas State Court, Corpus Christi
  Analysis of issues related to liability and damages including definition of relevant market, assessment of market concentration, and evaluation of antitrust damages.

SELECTED NON-LITIGATION CONSULTING ASSIGNMENTS

- **Intellectual Property Valuation**
  Assist clients with interpretation and/or negotiation of license terms for patented technology in a variety of fields, including consumer products, pharmaceuticals, and semiconductors.
- **Corporate Committee of the American College of Nuclear Physicians**
  Analyses of the clinical and economic value of nuclear medicine in cardiology and oncology.
- **Lincoln General Hospital**
  Business valuation of two health care providers for use in determining relative shares of the parties in a joint venture.
- **Pharmaceutical Partners for Better Health Care**
  Comprehensive study of the Canadian health care system with particular emphasis on the effects of potential reforms on the pharmaceutical industry.

PUBLICATIONS

"Patent Damages in US Courts: Overview of Current State of Play," (with J. Jarosz, J. McLean, and R. Vigil), *IAM Yearbook 2019: Building IP Value in the 21st Century*, 2018.

"Recently Released FDA Guidance and Biosimilar Development: Implications for the Litigation Environment," (with G. Long), *Update: Food and Law, Regulation and Education*, March 2012, pp. 19–21.

"The 25% Rule Lives On," (with J. Jarosz and M. Wagner), *IP Law 360,* September 8, 2010.

"Licensing in the Presence of Technological Standards," (with J. Browning), *The Licensing Journal*, Volume 29 No. 7, August 2009, pp. 18–29.

"Use of the 25 Per Cent Rule in Valuing IP," (with R. Goldscheider and J. Jarosz), *les Nouvelles*, Volume XXXVII No. 4, December 2002, pp. 123–133.

"Clinical and Economic Value of Cardiovascular Nuclear Medicine," monograph published by *Meniscus Health Care Communications,* (with K. Neels), 1996.

"The Health Care System in Canada," (with R. Rozek), Chapter 4, *Financing Health Care,* edited by U. Hoffmeyer and T. McCarthy, Kluwer Academic Publishers, 1994.

"Discounted Cash Flow Analysis in Patent Infringement Litigation," (with R. Rozek), *Licensing Economics Review*, Volume 1, August 1991, pp. 7–10.

PRESENTATIONS AND SPEAKING ENGAGEMENTS

"Why Has the U.S. Biosimilar Experience Not Yet Lived Up to the Hype?" Analysis Group Law & Economics Symposium: Current Topics in Life Sciences, May 2019 (Anthony LoSasso, Richard Mortimer, and Paul Greenberg).

"ITC Section 337 Investigations: Trends and Significant Court Rulings in 2018," The Knowledge Group Webinar, January 2019 (with Jordan Coyle, Stephen Akerley, and Daniel McGavock).

"ITC Section 337 Litigation & Enforcement: A Look Back and a Sneak Peek to the Future," The Knowledge Group Webinar, January 2018 (with Gary Hnath and Eric Schweibenz).

"ITC Section 337 Litigation: Tips & Strategies for your Firm," The Knowledge Group Webinar, September 2017 (with Jordan Coyle, Edward Donovan, Eric Schweibenz, and Pallavi Seth).

"ITC Section 337 Investigations: Your Thorough Guide for 2017 and Beyond," The Knowledge Group Webinar, May 2017 (with Edward Donovan, Blaney Harper, and P.J. McCarthy).

"IP Valuation: Practical Guide on Effective Methods and Approaches for 2015 and Beyond," The Knowledge Group Webinar, October 2015 (with Chuck Faunce and Philip Green).

"Trolls, NPEs, and PAEs 'Oh My' – Sorting out Remedies in Patent Infringement Litigation," American Law Institute Continuing Legal Education, September 2013 (with Krish Gupta and Peter Strand).

"The Evolution of License Comparability in the Estimation of Reasonable Royalty Damages," West Legal Education Center Webinar, July 2013 (with John Jarosz).

"Taking and Defending Expert Depositions," Practicing Law Institute, Taking and Defending Depositions Seminar, March 2013 (with Kimo S. Peluso and Jack G. Stern).

"Taking and Defending Expert Depositions," Practicing Law Institute, Taking and Defending Depositions Seminar, May 2012 (with Kimo S. Peluso and Jack G. Stern).

"Calculating Reasonable Royalty Damages after Uniloc v. Microsoft: An Economic Perspective," Intellectual Property Law Section of the DC Bar, July 2011 (with Peter Strand).

"Patent Infringement: Calculating Royalty Damages in a Post-Uniloc World," Strafford Publications Webinar, March 2011 (with Paul Michel, George Pappas, and John Jarosz).

"Clearing the Way for Biosimilars: New Complexities Around Competition and Consumer Harm," ABA Antitrust Section Teleseminar, February 2011 (Moderator, with Panelists: Seth Silber, Iain Cockburn, Julie McEvoy, and Matt Cantor)

"Damages Apportionment After Lucent," The 10th Anniversary Wilmer Hale Intellectual Property Conference, May 2010 (with Michael R. Heyison and Dominic E. Massa).

"Licensing in the Presence of Technological Standards," Licensing Executives Society, Annual Meeting, October 2008.

"Reasonable Royalty Determination in the Presence of Standards and University Licensing," Law Seminars International, Calculating and Providing Patent Damages Workshop, October 2006.

"Providing Effective Royalty Testimony," Licensing Executives Society/Association of University Technology Managers Spring Meeting (Workshop 4-H), May 2006 (with John Jarosz and Lisa Pirozzolo).

"Meeting the Standards for Price Erosion and Convoyed Sales," Law Seminars International, Calculating and Providing Patent Damages Workshop, February 2006.

"Intellectual Property Damages from an Economist's Perspective," DC Bar Association, Trade Secret Section, November 2005 (with John Jarosz and Abram Hoffman).

"Factors affecting Royalties," Licensing Executive Society Annual Meeting (Workshop 2-M), October 2005 (with Robert Vigil).

"Trade Secrets Damages: What Can A Successful Claimant Expect to Recover?" Trade Secrets Committee of the Intellectual Property Law Section of the DC Bar, February 2005.

"Economics of Price Erosion and Lost Convoyed Sales," Law Seminars International, Calculating and Proving Patent Damages Workshop, March 2004.

"An Economist's Perspective on Reach-Through Royalties," Law Seminars International, Calculating and Proving Patent Damages: Recent Developments and New Tools for Success, June 2003.

"Trade Secrets Damages and Recent Developments," Trade Secrets Committee of the Intellectual Property Law Section of the DC Bar, May 2002.

"Industry Royalty Rates and Profitability: An Empirical Test of the 25% Rule," Licensing Executives Society Annual Meeting (Workshop 3-L), October 2001 (with John Jarosz and Robert Vigil).

"Estimating the Economic Value of Trade Secrets," U.S. Sentencing Commission (USSC) Symposium on Federal Sentencing Policy for Economic Crimes and New Technology Offenses, October 13, 2000.

"Estimating Economic Recovery in Trade Secrets Cases," Trade Secrets Committee of the Intellectual Property Law Section of the DC Bar, September 1999.

"Industry Royalty Rates and Profitability: An Empirical Test of the 25% Rule," Licensing Executives Society Annual Meeting, (Workshop 3-11), October 1998 (with John Jarosz).

"Royalty Rates and Awards in Patent Infringement Cases: 1916–1996," Licensing Executives Society Annual Meeting, November 1997 (with John Jarosz).

PROFESSIONAL AFFILIATIONS

American Economic Association (AEA)

Licensing Executives Society (LES)

IAM Patent 1000 (2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021): The World's Leading Patent Practitioners – Economic Experts