

**F. MICHAEL NOLAN**  
**Vice President**

Phone: 202 530 2594  
Fax: 202 530 0436  
mike.nolan@analysisgroup.com

800 17<sup>th</sup> Street, NW  
Suite 400  
Washington, DC 20006

Mr. Nolan has extensive experience applying microeconomic, financial, and accounting principles to issues arising in complex business litigation. His case work has included complex commercial and intellectual property matters involving automobiles, agricultural products, high-technology products, telecommunications, consumer electronics, medical equipment, and pharmaceuticals. He also has researched and analyzed issues related to domestic industry, commercial success, remedy, bonding, and the public interest in International Trade Commission investigations, as well as commercial success in Patent Trial and Appeal Board cases. Examples of recent assignments include assessing potential damages and economic issues in patent, trademark, copyright, and trade secret infringement matters involving technologies used in automobiles, smartphones, crop protection chemicals, medical devices, pharmaceutical products, memory devices, and data storage products. Previously, he assisted private sector, public sector, and government clients with economic impact studies and asset valuations in the energy industry, options-pricing analyses, and damages analyses in international commercial litigations and arbitrations spanning a variety of industries, including media, insurance, and agricultural products. Mr. Nolan has supported experts in all phases of the litigation process, including discovery, expert reports, deposition, and trial.

**EDUCATION**

M.B.A.           Georgetown University McDonough School of Business, Washington, DC  
M.A.            Economics, University of Virginia, Charlottesville, VA  
A.B.            Business Economics and Psychology, Brown University, Providence, RI

**PROFESSIONAL EXPERIENCE**

2017–present   Analysis Group, Inc., Vice President  
2013–2016     Analysis Group, Inc., Manager  
2010–2012     Analysis Group, Inc., Associate  
2009            Deloitte Consulting, LLP, Summer Consultant  
2004–2008     The Brattle Group, Inc., Senior Research Associate

**SELECT LITIGATION ASSIGNMENTS**

- **In the Matter of Certain Passenger Vehicle Automotive Wheels, Investigation No. 337-TA-1006 (Daimler AG (Complainant))**  
*United States International Trade Commission, Washington, DC*  
Analysis of domestic industry in Section 337 case involving trademarks related to passenger vehicle automotive wheels.

- **In the Matter of Certain Potassium Chloride Powder Products, Investigation No. 337-TA-1013 (Endo Global Ventures, Endo Ventures Limited, Generics Bidco I, LLC (d/b/a Qualitest Pharmaceuticals and Par Pharmaceutical), and Lehigh Valley Technologies, Inc. (Complainants))**  
*United States International Trade Commission, Washington, DC*  
 Analysis of harm to domestic industry from alleged unfair competition in Section 337 case involving potassium chloride powder products.
- **Odyssey Wireless, Inc. v. Motorola Mobility LLC**  
*United States District Court, Southern District of California, San Diego Division (Case No. 3:15-cv-01741-H-RBB)*  
 Analysis of reasonable royalty damages for patents associated with technology related to the LTE telecommunications standard.
- **In the Matter of Certain Computing or Graphics Systems, Components Thereof, and Vehicles Containing Same, Investigation No. 337-TA-984 (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 Engineering North America, Inc.; Honda of America Mfg., Inc.; Honda Manufacturing of Alabama, LLC; Honda Manufacturing of Indiana, LLC; Honda R&D Americas, Inc.; Toyota Motor Corporation; Toyota Motor North America, Inc.; Toyota Motor Sales, U.S.A., Inc.; Toyota Motor Engineering & Manufacturing North America, Inc.; Toyota Motor Manufacturing, Indiana, Inc.; Toyota Motor Manufacturing, Kentucky, Inc.; Toyota Motor Manufacturing, Mississippi, Inc.; Volkswagen AG; Volkswagen Group of America, Inc.; Volkswagen Group of America Chattanooga Operations, LLC; Audi AG; and Audi of America, LLC (Respondents))**  
*United States International Trade Commission, Washington, DC*  
 Supported affiliated expert Martin Zimmerman for an analysis of public interest in a Section 337 case involving automotive-use chips and automotive head units incorporating such chips.
- **Red Online Marketing Group LP, d/b/a 50onRED v. Revizer Ltd., d/b/a Ad Force Technologies, Ltd., and Revizer Technologies, Ltd.**  
*United States District Court, Eastern District of Pennsylvania (Case No. 14-1353)*  
 Supported affiliated expert Catherine Tucker for an analysis of the economics of internet monetization products.
- **MAZ Encryption Technologies LLC v. Blackberry Corporation**  
*United States District Court, District of Delaware (Case No. 1:13-cv-00304-LPS)*  
 Analysis of reasonable royalty damages involving a patent directed to encryption/decryption methods used in smartphone and tablet operating systems.
- **Lupin Ltd. and Lupin Pharmaceuticals Inc. v. Senju Pharmaceutical Co., Ltd., Bausch & Lomb, Inc., and Bausch & Lomb Pharma Holdings Corp.**  
*The United States Patent and Trademark Office (Case Nos. IPR2015-01097; IPR2015-01099; IPR2015-01100; IPR2015-01105)*  
 Evaluation of commercial success involving patents directed to nonsteroidal anti-inflammatory drugs used to treat post-cataract surgery inflammation and pain.

- **Senju Pharmaceutical Co., Ltd., Bausch & Lomb, Inc., and Bausch & Lomb Pharma Holdings Corp. v. Lupin, Ltd., Lupin Pharmaceuticals, Inc., Innopharma Licensing, Inc., Innopharma Licensing LLC, Innopharma Inc., and Innopharma LLC**  
*United States District Court, District of New Jersey (Case Nos. 14-cv-00667-JBS-KMW; 14-cv-04149-JBS-KMW; 14-cv-05144-JBS-KMW; 15-cv-00335-JBS-KMW; 14-cv-06893-JBS-KMW; and 15-cv-03240-JBS-KMW)*  
 Evaluation of commercial success involving patents directed to nonsteroidal anti-inflammatory drugs used to treat post-cataract surgery inflammation and pain.
- **Innopharma Licensing, Inc., Innopharma Licensing LLC, Innopharma Inc., Innopharma LLC, Mylan Pharmaceuticals, Inc., and Mylan Inc. v. Senju Pharmaceutical Co., Ltd., Bausch & Lomb, Inc., and Bausch & Lomb Pharma Holdings Corp.**  
*The United States Patent and Trademark Office (Case Nos. IPR2015-00902 and IPR2015-00903)*  
 Evaluation of commercial success involving patents directed to nonsteroidal anti-inflammatory drugs used to treat post-cataract surgery inflammation and pain.
- **CardiaQ Valve Technologies, Inc. v. Neovasc, Inc. and Neovasc Tiara, Inc.**  
*United States District Court, District of Massachusetts (Civil Action No. 1:14-cv-12405-NMG)*  
 Analysis of damages associated with breach of contract, fraud, and misappropriation of trade secrets involving mitral valve implants for the heart.
- **Hudson Communications, Inc. v. Atos IT Solutions and Services, Inc., f/k/a Siemens IT Solutions and Services, Inc., et al.**  
*United States District Court, District of New Jersey (Case No. 13-cv-6458 (SDW)(MCA))*  
 Analysis of lost profits associated with breach of contract, misappropriation of proprietary and trade secrets, and unfair competition and business practices involving move management technology services.
- **BitTitan, Inc. v. SkyKick, Inc.**  
*United States District Court, Western District of Washington at Seattle (Case No. 15-cv-00754-RSM)*  
 Analysis of preliminary relief involving patents directed to email migration tools.
- **Largan Precision Co., Ltd. v. Samsung Electronics Co., Ltd., et al.**  
*United States District Court, Southern District of California (Case No. 13-cv-2740 DMS (NLS))*  
 Supported affiliated expert David Reibstein for rebuttal analysis of a consumer survey used to support damages claims associated with patents related to smartphone camera technologies.
- **The Chickasaw Nation and The Choctaw Nation v. United States Department of the Interior, et al.**  
*United States District Court, Western District of Oklahoma (Case No. 05-cv-01524-W)*  
 Evaluation of the adequacy of the accounting regarding various trust assets.
- **In the Matter of Certain Formatted Magnetic Data Storage Tapes and Cartridges Containing the Same, Investigation No. 337-TA-931 (International Business Machines Corporation; Fujifilm Holdings Corporation; Fujifilm Corporation; Fujifilm Recording Media USA, Inc.; Oracle Corporation; and Oracle America, Inc. (Respondents))**  
*United States International Trade Commission, Washington, DC*  
 Analysis of public interest in Section 337 case involving magnetic tape data storage systems.

- **Advanced Video Technologies, LLC v. Blackberry, Ltd. and Blackberry Corporation**  
*United States District Court, Southern District of New York (Case No. 1:11-cv-06604-CM-RLE)*  
 Analysis of reasonable royalty damages and prejudgment interest involving a patent directed to video compression and decompression.
- **In the Matter of Certain Devices Containing Non-Volatile Memory and Products Containing the Same, Investigation No. 337-TA-922 (Spansion Inc. (Respondent))**  
*United States International Trade Commission, Washington, DC*  
 Analysis of remedy, bond, and public interest in Section 337 case involving patents related to non-volatile memory including NAND flash memory.
- **Ecolab USA Inc. and Kleantech Systems, LLC v. Diversey, Inc.**  
*United States District Court, District of Minnesota (Civil Action No. 12-cv-1984 (SRN/JJG))*  
 Analysis of lost profits and reasonable royalty damages involving products covering the monitoring of hospital cleaning.
- **In the Matter of Certain Sulfentrazone, Sulfentrazone Compositions, and Processes for Making Sulfentrazone, Investigation No. 337-TA-914 (FMC Corporation (Complainant))**  
*United States International Trade Commission, Washington, DC*  
 Analysis of irreparable harm, balance of hardships, and public interest in Section 337 case involving a patent directed to a crop herbicide.
- **In the Matter of Certain Antivenom Compositions and Products Containing the Same, Investigation No. 337-TA-903 (BTG International Inc. (Complainant))**  
*United States International Trade Commission, Washington, DC*  
 Analysis of domestic industry, remedy, bond, and public interest in Section 337 case involving a patent related to antivenoms used in treating snake bites.
- **Alpine Armoring Inc. v. Streit Manufacturing, Inc. and Streit USA Armoring, LLC**  
*United States District Court, Eastern District of Virginia, Alexandria Division (Civil Action No. 1:14-CV-00197 (AJT/IDD))*  
 Analysis of lost profits damages resulting from breach of exclusive marketing agreement and customer supply agreement, and tortious interference with existing business relationships.
- **In the Matter of Certain Opaque Polymers, Investigation No. 337-TA-883 (Organik Kimya (Respondent))**  
*United States International Trade Commission, Washington, DC*  
 Analysis of injury, independent economic valuation, and bond in Section 337 case involving trade secrets used in the production of opaque polymers.
- **Katherine Dines v. Toys “R” Us-Delaware, Inc.**  
*United States District Court, District of Colorado (Case No. 12-cv-2279-PAB-KMT)*  
 Analysis of profits and prejudgment interest associated with trademark infringement involving a line of stuffed animal toys.
- **Source Search Technologies, LLC v. Kayak.com, Inc.**  
*United States District Court, District of New Jersey (Case No. 2:11-cv-03388-FSH-MAH)*  
 Analysis of reasonable royalty and prejudgment interest involving a patent directed to online exchanges.

- **Suomen Colorize Oy v. Verizon Services Corp., Verizon Online LLC, and Verizon Delaware LLC**  
*United States District Court, District of Delaware (Case No.12-715-CJB)*  
 Analysis of reasonable royalty damages and prejudgment interest involving a patent directed to interactive programming guides.
- **In the Matter of Certain Microelectromechanical Systems (“MEMS Devices”) and Products Containing Same, Investigation No. 337-TA-876 (STMicroelectronics, Inc. (Complainant))**  
*United States International Trade Commission, Washington, DC*  
 Analysis regarding domestic industry, remedy, cease and desist order, and bond in Section 337 case involving patents related to microelectromechanical (MEMS) devices.
- **Prowess, Inc. v. RaySearch Laboratories, AB, et al.**  
*United States District Court, District of Maryland (Civil Action No. 11-CV-1357 (WDQ))*  
 Analysis of lost profits and reasonable royalty damages involving patents directed to radiation therapy equipment.
- **In the Matter of Certain Integrated Circuit Chips and Products Containing Same, Investigation No. 337-TA-859 (LSI Corporation and Seagate Technology (Respondents))**  
*United States International Trade Commission, Washington, DC*  
 Analysis regarding domestic industry and bond in Section 337 case involving a patent related to semiconductor technology.
- **Delavau, LLC v. J.M. Huber Corporation and J.M. Huber Micropowders Inc.**  
*United States District Court, District of New Jersey (Case No. 12-05378 (ES)(SCM))*  
 Analysis regarding preliminary injunctive relief involving patents directed to dietary calcium supplements.
- **Carl B. Collins and Farzin Davanloo v. Nissan North America, Inc. and Nissan Motor Co., Ltd.**  
*United States District Court, Eastern District of Texas, Marshall Division (Case No.2:11-CV-00428-JRG)*  
 Analysis of reasonable royalty damages and prejudgment interest involving patents directed to automotive engines.
- **Apple Inc. v. Samsung Electronics Co., Ltd.; Samsung Electronics America, Inc.; and Samsung Telecommunications America, LLC**  
*United States District Court, Northern District of California, San Jose Division (Case No.11-CV-01846-LHK)*  
 Supported affiliated expert Professor Yoram (Jerry) Wind for rebuttal analysis of plaintiff’s assessment of consumer demand, including an evaluation of a conjoint study performed by plaintiff’s expert.
- **Wi-LAN Inc. v. Alcatel-Lucent USA Inc.; Telefonaktiebolaget LM Ericsson; Ericsson Inc.; Sony Mobile Communications AB; Sony Mobile Communications (USA) Inc.; HTC Corporation; HTC America, Inc.; Exedea Inc.; LG Electronics, Inc.; LG Electronics Mobilecomm U.S.A., Inc.; and LG Electronics U.S.A., Inc.**  
*United States District Court, Eastern District of Texas, Tyler Division (Case No. 6:10-CV-521-LED)*  
 Analysis of reasonable royalty damages and prejudgment interest involving patents directed to telecommunications systems.

- **Apple Inc. and Next Software, Inc. (f/k/a Next Computer, Inc.) v. Motorola, Inc. and Motorola Mobility, Inc.**  
*United States District Court, Northern District of Illinois (Case No. 1:11-CV-08540)*  
 Analysis of lost profits and reasonable royalty damages associated with alleged infringement of patents directed to wireless communications functionality.
- **Complex Systems, Inc. v. ABN AMRO Bank N.V.**  
*United States District Court, Southern District of New York (Case No. 08-CV-7497)*  
 Analysis of disgorgement of profits related to violation of copyright for trade finance software.
- **TattleTale Portable Alarm Systems, Inc. v. Calfee, Halter & Griswold LLP, et al.**  
*United States District Court, Southern District of Ohio, Eastern Division (Case No. 2:10-CV-226)*  
 Analysis of lost royalties associated with a law firm's negligence in handling a patent directed to portable alarm systems.
- **Automated Merchandising Systems, Inc. v. Crane Co. and Seaga Manufacturing, Inc.**  
*United States District Court, Northern District of West Virginia, Martinsburg Division (Civil Action No. 3:03-CV-88-JPB)*  
 Analysis of 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 (Motorola Mobility, Inc. and Motorola Solutions, Inc. (Respondents))**  
*United States International Trade Commission, Washington, DC*  
 Analysis of domestic industry and bond in Section 337 case involving patents related to wireless communications devices.
- **Triangle Software, LLC v. Garmin International, Inc.; Garmin USA, Inc.; TomTom, Inc.; and Volkswagen Group of America, Inc.**  
*United States District Court, Eastern District of Virginia, Alexandria Division (Case No. 1:10-CV-01457-CMH-TCB)*  
 Analysis of reasonable royalty damages and prejudgment interest involving a patent directed to providing personal navigation device functionality.
- **In the Matter of Certain Wireless Communication Devices, Portable Music and Data Processing Devices, Computers and Components Thereof, Investigation No. 337-TA-745 (Motorola Mobility, Inc. (Complainant))**  
*United States International Trade Commission, Washington, DC*  
 Analysis of domestic industry, bond, and certain secondary considerations of non-obviousness in Section 337 case involving patents related to wireless communication devices.
- **Elan Pharma International Ltd. v. Alcon Laboratories, Inc.; Alcon Manufacturing, Ltd.; and Alcon Research, Ltd.**  
*United States District Court, Eastern District of Texas (Case No. 4:09-CV-32)*  
 Analysis of reasonable royalty damages and prejudgment interest involving patents directed to the treatment of glaucoma.
- **Minority Shareholder v. Private Corporation and Executives**  
*Circuit Court of Madison County, State of Alabama*  
 Analysis of executive compensation at a privately held software firm.