

MECHANICAL IP AND PATENT TEAM



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Jeremy Harrison: Jeremy is a partner in the Vorys Houston office. He has prepared and filed over 500 foreign and domestic patent applications in several industries. Jeremy has specific experience preparing and prosecuting patent applications relating to mechanical and electromechanical devices, medical devices, control systems, oil and gas industry tools and processes, power generation, compressors, pumps, turbines, bearings, seals, and aviation software. Jeremy also advises clients on opinion and clearance issues regarding proposed products and processes. Jeremy received his J.D. *cum laude* from Franklin Pierce Law Center and his B.S. in mechanical engineering from Brigham Young University.



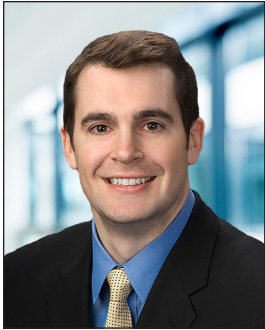
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Rex Miller: Rex is a partner in the Vorys Columbus office. He uses his experience to help companies build valuable and strategic IP portfolios both domestically and internationally. During his career, Rex has written and prosecuted patents across the spectrum of the mechanical arts, including lithium batteries and battery charging systems, which involve the development and optimization of energy storage and charging technologies. He has also worked on diagnostic systems in the transportation industry, focusing on systems used for monitoring and diagnosing issues in vehicles. Additionally, Rex has experience with locomotive engine systems, covering technologies related to the design and operation of locomotive engines. His experience extends to optical control systems used in steel manufacturing, which utilize optical technologies to control and monitor steel production processes. He has been involved in the development of mechanical fasteners and fastening system tools for multiple industries, ensuring the secure assembly of components in various industrial applications. Rex has a technical background in electrical engineering and is experienced with multiple technologies including: electronics, telecommunications, software, consumer products, medical devices, rechargeable batteries and steel manufacturing. Rex received his J.D. *summa cum laude* from The Ohio State University Moritz College of Law. He received a Master of Business Administration from the Boston College Carroll School of Management. He also received both a bachelor's and Master of Electrical Engineering from Cornell University. Prior to law school, Rex worked as an operations program manager for Teradyne, Inc., in Boston, Massachusetts.



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Hal Borland: Hal is of counsel in the Vorys Houston office. He has over 15 years of legal experience counseling clients in matters related to U.S. and international patent applications and enforcement with an emphasis in the area of mechanical devices. Hal was a mechanical engineer prior to starting his law career, giving him extensive knowledge of the oil field, aerospace and medical device industries as well as experience with technologies like down-hole motors, software related to telemetry systems and seismic exploration devices, robotics, fluid systems, surgical, and sport and recreational equipment. Hal received his J.D. from the University of Houston Law Center. He received his B.S. in mechanical engineering from Rice University.



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Scott Guttman: Scott is of counsel in the Vorys Akron office. He focuses his practice on preparing and prosecuting foreign and domestic patent and trademark applications, with specific experience in the automotive, aerospace, entertainment, medical device, and consumer goods industries. Before joining Vorys, Scott worked as an attorney for a large energy company. Scott received his J.D. *cum laude* from the University of Cincinnati College of Law, his B.S. in mechanical engineering from Indiana University-Purdue University Indianapolis (IUPUI), and his B.A. in mathematics from Butler University. Prior to law school, Scott worked as an engineer for a major supplier of power transmission and conveying components, and also interned at an r&d company focusing on medical imaging technology.



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Grant Davis: Grant is an associate in the Vorys Houston office. He has experience in procuring patents in technology areas such as oil and gas and semiconductor manufacturing. He also has experience asserting and defending against patent infringement. Grant received his J.D. from the University of Tennessee College of Law. He earned his B.S. *magna cum laude* in biosystems engineering from the University of Tennessee, Knoxville.



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Maggie Martin: Maggie is an associate in the Vorys Houston office. She has extensive experience prosecuting pending patent applications before the U.S. Patent and Trademark Office and procuring patents in various advanced technology areas, including 5G telecommunications, semiconductors, AI/ML software, optics, internet and data systems, general and applied control systems, electrical systems, and carbon capture and sequestration. Maggie also provides patent landscape analysis, freedom to operate analysis, and due diligence services. She earned her J.D. from the University of Houston Law Center, where she was a member of the Moot Court Team, and holds a B.S. *cum laude* in geophysics with a minor in mathematics from the University of Oklahoma.



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Lauren Kickel: Lauren is an associate in the Vorys Houston office. Her practice consists of IP litigation and patent prosecution. Lauren is admitted in the Federal District Courts of the Eastern, Western and Southern Districts of Texas. Lauren has extensive experience in the field of petroleum engineering, particularly in upstream operations. Formerly, she worked in the oil and gas industry, particularly in the Gulf of Mexico, providing office based and onsite engineering, support, assurance, and operational efficiency improvements to actively operating rigs. Lauren was a judicial extern for the Federal Magistrate Judge Frances Stacy of the United States District Court, Southern District of Texas. Lauren received her J.D. from South Texas College of Law Houston and her B.S. in petroleum engineering from Marietta College.



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Tim Petrosius: Tim is a patent agent in the Vorys Houston office. He earned his Ph.D. in mechanical engineering from Rice University, following a B.S. *summa cum laude* in mechanical engineering from the University of Louisville. Tim's technical experience spans automotive process engineering, high-level and C/C++ programming, grant preparation VBA development, 3D solid modeling, and computational fluid dynamics software development. Tim assists clients with the preparation and prosecution of patents related to downhole tools used in the oil and gas industry, medical devices, mechanical and fluid modeling, energy storage devices, machine learning applications, and process engineering.



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Cameron Thornton: Cameron is a patent agent in the Vorys Pittsburgh office. He has experience in preparing and prosecuting in the mechanical, electromechanical, medical, and nuclear fields. He also has experience in preparing and prosecuting U.S. and international patent applications and filing appeals to the Patent Trial and Appeals Board (PTAB). Cameron received his M.S. in Biomedical Engineering from Carnegie Mellon University and his B.S. in Mechanical Engineering with a minor in Engineering Mechanics from The Pennsylvania State University.