

Electrical & Computer Technologies

Electrical & Computer Technologies — Innovation-Driven IP Protection

The Electrical & Computer Technologies Group at Marshall, Gerstein & Borun LLP is at the forefront of protecting cutting-edge innovations in an era of rapid technological and legal evolution. Our team provides strategic IP counsel to Fortune 500 companies, funded startups, and leading research institutions, offering deep expertise in software, artificial intelligence (AI), process controls, e-commerce, telecommunications, semiconductors, and emerging technologies.

Comprehensive IP Services

We deliver a full suite of IP services, guiding clients from patent prosecution and portfolio management to licensing, due diligence, and strategic patent counseling. Our attorneys regularly practice before the U.S. Patent and Trademark Office (USPTO) and the Patent Trial and Appeal Board (PTAB), helping clients secure and maximize the value of their intellectual property. Additionally, we provide litigation support, working closely with our firm's litigation team and outside counsel to develop strong, enforceable patents.

Depth and Technical Knowhow

With more than two dozen attorneys holding advanced degrees in electrical engineering, computer engineering, and computer science, our team possesses firsthand industry experience that enables us to seamlessly collaborate with engineers, scientists, and in-house counsel. Our cross-functional approach ensures we respond swiftly to client needs—whether managing large-scale patent portfolios or addressing urgent, high-priority matters.

AI and Emerging Technologies

Our practice is deeply engaged in the evolving landscape of AI-driven innovation, helping clients protect innovations related to AI models, machine learning algorithms, and AI-integrated software applications. We navigate the complexities of patenting AI and automation technologies, addressing critical issues related to eligibility under § 101 and global patent strategy. As businesses increasingly integrate AI into fintech, healthcare, cybersecurity, and enterprise solutions, we provide tailored legal strategies to strengthen and commercialize AI-related IP assets.

Shaping the Future of IP Law

As AI and software patent law continue to evolve, our attorneys actively engage with policymakers, contribute to thought leadership, and help shape best practices in the protection of cutting-edge technologies. By staying ahead of legislative developments and judicial trends, we provide clients with forward-thinking strategies that adapt to emerging legal challenges.

Award-Winning Patent Prosecution

Marshall Gerstein has a proven track record of securing high-value patents across diverse industries. Our strategic prosecution approach has helped clients establish market dominance in key areas, including:

- **Wireless networking** – Securing a pioneering patent for wireless internet router systems, providing critical protection against competitors.
- **Medical imaging & diagnostics** – Obtaining patents for AI-powered cancer detection software that significantly reduces false positives.
- **Fintech & business methods** – Advising clients on AI-driven financial modeling, fraud detection, and automated trading strategies.

Global IP Strategy & Foreign Prosecution

We collaborate with a network of over 300 foreign law firms, ensuring seamless protection of U.S. and international patent portfolios. Our attorneys craft global IP strategies that align with offensive, defensive, and licensing objectives, helping companies expand their market presence while mitigating risk.

Industries & Technologies We Serve

- Artificial Intelligence (AI) & Machine Learning
- Telecommunications & 5G
- Cybersecurity & Blockchain
- Semiconductor Design & Manufacturing
- Fintech & Insurtech
- Cloud Computing & SaaS
- E-commerce & Digital Transactions
- Digital Imaging & Healthcare Tech
- Autonomous Systems & IoT

Representative Clients

Our clients span multiple industries and include:

- CDW Corp.
- Charter Communications
- Citadel
- Emerson Electric
- Google
- Gogo
- University of Michigan
- Walgreen Company
- Zebra Technologies

At Marshall Gerstein, we combine technical fluency, legal expertise, and business acumen to provide strategic IP solutions that fuel innovation and drive commercial success. Whether navigating AI patentability, protecting mission-critical software, or securing pioneering patents, our team is committed to delivering superior service in an ever-evolving technological landscape.

Client Successes

OpenCEL LLP

Generating a high voltage electrical field several thousand times per second, OpenCEL's Focused Pulsed (FP) Technology helps eliminate waste from wastewater. What's more, OpenCEL's FP Technology converts that waste into a form that facilitates its efficient conversion into energy. As a result, OpenCEL's technology is an all-around "green" win—cleaner water is returned to the environment, less waste is sent to landfills, and more energy is available from alternative sources.

At the same time, Marshall, Gerstein & Borun LLP has worked side-by-side with OpenCEL to make sure that the FP Technology is an all-around winner at the Patent Office as well. With a number of patents already issued on their core

technology, our Firm and OpenCEL have extended the FP Technology to new applications. With an eye to streamlining the patent process, we made sure that OpenCEL was one of the first applicants to take advantage of the Green Technology Pilot Program, reducing in one instance a projected 21 month wait for a first office action to 2 months.

Marshall Gerstein is proud of the work it has done as a part of OpenCEL's team, and wants to work with you to protect your green technology as we all do our part for a brighter tomorrow.

Zebra Technologies Accelerates Strategic Growth with Deal to Acquire Matrox Imaging

When Zebra Technologies Corporation, a world leader in designing, manufacturing, and selling innovative software, hardware, and digital solutions, decided to accelerate its strategic growth in machine vision by acquiring the imaging division of Matrox, it turned to Marshall Gerstein to handle the complex IP issues involved in the carve-out acquisition. Executing an interdisciplinary approach, Marshall Gerstein assembled a small team with deep subject matter experience within our IP transactions, electrical engineering patent prosecution, and trademark practice groups to ensure a smooth and successful deal that protected Zebra's interests, particularly with respect to use of IP assets with applicability across multiple businesses.

Zebra notes that "the acquisition of Matrox Imaging expands the portfolio of machine vision products, software and services Zebra can offer customers to help them thrive in the on-demand economy that is constrained by both labor shortages and limited supply of upstream goods and materials," according to the company's press release.

[Read Zebra's press release on this intended acquisition made in part with the counsel of Marshall Gerstein.](#)