Chemical and Materials Technology

Intellectual Property Counsel for Scientific Innovation & Complex Technology

In the chemical and materials sciences, innovation drives the development of products that shape industries, from polymers and coatings to advanced materials, formulations, and composites. Banner Witcoff's Chemical & Materials Technology practice helps researchers, startups, academic institutions, and globally recognized companies protect, enforce, and commercialize intellectual property at the intersection of science and technology.

With attorneys grounded in scientific training and deep legal experience, we deliver practical, business-oriented IP strategies tailored to the unique challenges of chemical and materials innovation.

Industries & Innovation Areas We Support

- Alloys and Processing Techniques
- Mining, Ore Processing, and Metal Production
- Aerospace Materials and Components
- Batteries and Fuel Cells
- Ballistic Resistant Fabrics
- Bone Grafting Materials
- Catalyst Formulations
- Clean Technology
- Composite Materials
- Drilling Fluids and Thickeners
- Thin Film and Other Material Deposition Techniques
- Foam Compositions
- Films and Coatings

- Polymer Compositions
- Chemical Reactor Configurations
- Renewable Energy
- Refrigerants and Propellants
- Materials and Techniques for Additive Manufacturing

Our client base encompasses individual researchers/inventors, startups, non-profits, and established corporations.

Technical Expertise & Depth

One of Banner Witcoff's core strengths is our ability to bridge scientific complexity and legal strategy. Many of our attorneys hold advanced degrees in chemistry, chemical engineering, materials science, and related disciplines, enabling:

- Fluent communication in highly technical contexts
- Efficient evaluation of prior art and novelty considerations
- Effective claim drafting tailored to multifunctional technologies
- Persuasive advocacy in proceedings that hinge on scientific nuance

This technical grounding enhances everything from patent drafting to litigation strategy and commercialization support.

Our Chemical & Materials Technology Capabilities

We offer comprehensive intellectual property services tailored to chemical and materials innovation, including:

- Patent Drafting and Prosecution
- Management of Multi-National Patent Portfolios
- Patent Litigation & Post-Grant Proceedings
- Freedom to Operate & Due Diligence
- Licensing, Joint Development & Commercial Transactions

Why Clients Choose Banner Witcoff

We combine prosecution, enforcement, portfolio management, and commercialization support into a cohesive intellectual property program designed to maximize the value of chemical and materials innovations. Our attorneys' scientific backgrounds enable us to engage deeply with complex technologies, communicate effectively with research teams, and accelerate informed decision-making. Because IP decisions are ultimately business decisions, we tailor strategies that align with product timelines, regulatory considerations, and competitive positioning. We also build and manage global patent portfolios that provide strategic protection in priority markets worldwide, ensuring clients' innovations are protected where it matters most.

Protect What Chemistry & Materials Innovation Creates

Banner Witcoff helps scientific innovators safeguard their discoveries, mitigate risk, and translate technological breakthroughs into lasting business advantage.

Contact our Chemical & Materials Technology industry practice team to begin your IP strategy.

Relevant Practices

Appellate Litigation

Brand Protection

Copyright Registrations and Enforcement

Counseling, Opinions + Licensing

Counterfeit Goods Seizure

Design Patents

Jury Trials

Litigation

Patent Interferences

PTAB Litigation

Patent Prosecution

Section 337/ITC Litigation

Trade Dress

Trade Secrets

Trademarks