

Chemical Arts

We have great chemistry with our clients.

Although Howard & Howard's subject matter experience in the intellectual property arena is extensive, we have a particular focus on chemical arts—an evolving field that continues to grow in depth and complexity. If you've invested in chemical research and development, trust our chemical patent and engineering attorneys to protect your assets.

With educational and real world experience in chemical engineering, chemistry, and biology, our attorneys are uniquely positioned to deliver first-rate patent counsel to clients ranging from startups to multinational corporations. These include industrial manufacturers, fabricators, research facilities, utility and energy providers, university technology transfer offices, and pharmaceutical companies.

Our chemical engineering and patent attorney team has industry, academic, and IP practice experience with:

- Polyurethane foams and elastomers
- Isocyanates and automotive and industrial coatings
- Acrylics
- Ink compositions
- Photoresists and patterning
- Dispersion, extrusion, distillation, and separation processes
- Synthesis of organic compounds
- Polymers and fluoropolymers
- Manufacturing engineering
- Heat transfer
- Reactors and reaction schemes
- Materials science including glass, ceramics, fiber optics, and thermal management
- Drugs and pharmaceuticals
- Genetic and bacteria characterization
- Hydrometallurgy and pyrometallurgy
- Polyols and polyamines
- Thermosets and thermoplastics
- Polyesters and polyamides such as PBT and nylon
- Styrenics such as SAN, ASA, and ABS
- Silicones and polysiloxanes
- Adhesives, sealants, and encapsulants

- Solar-grade polycrystalline silicon
- Photovoltaic devices

We leverage this extensive technical knowledge to assist clients with:

- Assessing the patentability of chemical inventions
- Researching and analyzing prior art
- Preparing and prosecuting chemical patent applications with the USPTO and its foreign equivalents
- Representation in pre-grant challenges and post-grant reviews
- Defending and enforcing chemical patents in the U.S. and internationally
- Determining the legitimacy of chemical patent infringement claims
- Drafting and publishing complex technical disclosures
- Conducting IP due diligence related to chemical patents
- Negotiating licensing agreements and chemical technology transfers

Advancements in chemical engineering and the chemical arts drive industries forward and create meaningful change all around us. Our chemical engineering and patent attorney team takes a strategic view of chemical patents, helping our clients evaluate the relative costs of prosecution, protection, and enforcement, along with opportunities to monetize or commercialize their patents. Clients across the research and development spectrum look to Howard & Howard to safeguard their interests.