Mechanical Arts

Experience is everything when advising on the legal aspects of identifying, prosecuting, owning, monetizing, and aggressively defending the IP of mechanical arts. In fact, Rothwell Figg has delivered proven and tactical legal counsel to this industry for decades. Our attorneys understand the science and technology of mechanical arts, as well as current industry trends such as thermal engineering, design and optimization, production and industrial engineering, robotics and automation, and materials science and metallurgy. Simply, we are dedicated to delivering a higher level of skill, technical accuracy, and a far more comprehensive work product.

Notably, many of our attorneys hold degrees in mechanical engineering and have years of experience working as engineers designing and developing mechanical systems. Our deliberate mix of education and practical know how results in more effective and efficient patent prosecution counsel. Our broad range of technical expertise allows us to advise on, secure, and litigate across inventions that involve electrical, chemical, biotechnical, and computer products and processes, as well as where designing, modeling, manufacturing, optimizing, and processing mechanical arts overlap with new and emerging applications.

Our attorneys make even the most complex mechanical processes understandable to patent examiners, judges, juries, business professionals, and other nontechnical audiences. Our team prepares and prosecutes utility and design patents involving myriad consumer and industrial products and processes. Moreover, we deliver the requisite intellectual acuity and advocacy skills to advise and represent our clients in patent reissues, reexaminations, *inter partes* review proceedings (IPRs), and appeals to the Board of Patent Appeals.

From additive manufacturing (3D and 4D printing) and modular transportable factories to sand accumulation on railways, our mechanical arts counsel spans the full spectrum of machines, equipment, and technologies, a sampling of which includes:

- Acoustics
- Aerospace
- Automation
- Automotive
- Autonomous systems
- Biotechnology
- Composites
- Computer Aided Design (CAD)
- Consumer products
- Control systems
- Cyber security

- Design
- Digital manufacturing
- Energy
- Human health
- IOT and IIOT (Industrial Internet of Things)
- Manufacturing
- Mechanics
- Medical devices
- Microfluidics
- Nanotechnology
- Production planning
- Robotics
- Structural analysis
- Textiles