MECHANICAL ENGINEERING

The field of mechanical engineering is broad, encompassing the disciplines of engineering, physics, as well as aspects of material sciences. Mechanical engineering is applied in the design and manufacture of countless items, including small printer nozzles, large spacecraft, medical devices, and everyday consumer products.

We have prosecuted applications and obtained patent protection for inventions in various fields related to mechanical engineering, such as:

- Nanotechnology tools
- Micro electro-mechanical systems (MEMS)
- Acoustical engineering, including noise-cancelling technology
- Aerospace
- Robotics
- Industrial equipment and machinery, including precision measurement tooling, injection molding, and extrusion as well as chip manufacturing and processing
- Automotive components
- Consumer products, including electronic viewing eyewear, sporting goods, and exercise equipment
- Composites, such as carbon-fiber goods
- Biomechanics
- Medical devices and equipment
- Packaging, including paperboard, plastic, and composites
- Construction equipment

Our firm's attorneys have prosecuted applications for a myriad of mechanical devices. The technical experience and training of our legal staff spreads across numerous mechanical fields, including aerospace, automotive, heavy industrial machinery, clean energy, and fastener technology. Hamilton Brook Smith Reynolds also has industry experience, including working commercial and military aviation, building manufacturing machinery, and developing software to run power turbines.

In the mechanical engineering discipline, our firm has successfully obtained patent coverage for a wide variety of products that include computer housings, monitors, bags, footwear, jewelry, furniture, household appliances, and unfolding architecture structures. We have also patented electronic viewing eyewear that allows the viewing of video or electronic images in an eyeglass format.

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