Computer Hardware

Many times, the best protection available for our clients comes from a thorough and creative approach in preparing and prosecuting computer hardware patent applications.

In the computer hardware field, our firm has been at the forefront of protection for many technologies, including semiconductor technology for computer networking applications and computer network routing technology.

Processing
- Automated test equipment (ATE)
- Computer architecture
- Computer logic circuits
- Digital signal processing
- Graphics and image processing
- Hardware implemented methods
- Microcontrollers
- Network hardware (wired and wireless)
- Programmable processors
- Semiconductor circuit structures

Memory/Data Storage
- Caching systems
- Memory cells
- Memory systems
- Storage area networks (SAN)

Related Applications
- Application-specific integrated circuits (ASICs)
- Complex programmable logic devices (CPLDs)
- Fault tolerance
- Field-programmable gate arrays (FPGAs)
- Hardware/software co-design
- Hardware verification, validation, reliability, testing, simulation, and prototyping
- Multimedia systems
- Neural networks/predictive devices
- Printed circuit board design
- Robotics

HAMILTON BROOK SMITH REYNOLDS
Intellectual Property Law

Computer Hardware

This complex field requires intensive technical concentration for sound intellectual property protection. Our attorneys practicing in this area hold scientific degrees specifically in electrical and computer engineering, applied mathematics and computer science, or physics. Many have advanced degrees in these fields and/or extensive hands-on experience from their work as electrical or software engineers.

Attorneys at Hamilton Brook Smith Reynolds carefully tailor claim language to obtain broad coverage at the boundaries of existing technologies. We have successfully overcome United States Patent and Trademark Office patentable subject matter rejections for claimed inventions involving an algorithm, a mathematical manipulation, or a method of doing business.