MEDICAL DEVICES

For companies involved in the medical device field, protection for technology developments is critical. Medical devices, such as those used for diagnosis and treatment, often involve an interdisciplinary approach spanning a number of scientific, medical, and engineering disciplines.

Our firm's practice in this area extends to the protection of innovations in a broad range of fields, including the following:

- Devices for treatment, such as dialysis for the treatment of kidney failure
- Radiation therapy devices, such as particle accelerators and proton irradiation systems
- Disposable products, such as syringes, tubing, and multiport fluid access devices
- Minimally invasive devices, such as endoscopic devices and implants
- Orthopedics, such as knee and hip replacements, prosthetics, spine devices, and braces
- Patient monitoring systems, including pulse monitors for fingertips and EKG leads
- Material science, such as surgical screws
- Optical devices
- Cardiovascular devices, such as stents, catheters, pacemakers, and blood pressure cuffs
- Cosmetic surgery, such as dental devices used by orthodontists
- Robotics for medical procedures

Our attorneys practicing in these fields have experience in the health care industry and grasp the complexity of these inventions and the highly competitive business environment in which they are developed. They hold degrees in electrical engineering, mechanical engineering, biomedical engineering, chemistry, chemical engineering, and physics. Our educational and work backgrounds enable us to communicate with our clients efficiently and to understand their goals. Therefore, Hamilton Brook Smith Reynolds can obtain effective long-term protection for our clients, in the United States and around the world.

Examples of our experience in the medical device field include patenting a minimally invasive surgical device for the treatment of obesity and control of diabetes, infrared thermometers, robotics for use in computer-aided surgery, and a device that detects breathing and body movements while radiation is administered to lung cancer patients. We have obtained patents for a portable product that uses a drop of blood or saliva to detect certain diseases and conditions within minutes as well as systems that model a specific patient's cardiac system to predict disease progression and aid in formulating the best approach to the patient's care, limb prosthetics, and a suppository insertion device. Our firm has also assisted in patenting an orthopedic pillow that provides axillary support to patient.

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