



**Paul S. Angello**  
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(503) 294-9314

- B.S. and M.S. electrical engineering
- 9 years' engineering experience
- Patent attorney since 1983

Electron devices, electronic circuitry, semiconductor wafer fabrication, electro-optical systems, lasers, liquid crystal devices and display systems, holographic devices and display systems, optical processing apparatus, particle detection and counting, battery separators, robotic equipment, medical instruments, medical diagnostic and therapeutic methods, radar systems, and wide-band digital satellite communications



**Aaron D. Barker**  
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(801) 578-6959

- B.S. electrical engineering
- 5 years' engineering experience
- Patent agent 2002-03
- Patent attorney since 2003

Communication systems, medical devices, computer software, semiconductor devices, consumer electronic devices, business methods, and wide-band communication systems for military applications



**Matthew S. Bethards**  
*Salt Lake City*  
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(801) 578-6992

- B.S. chemistry
- Patent agent 2002-03
- Patent attorney since 2003

Chemistry, pharmaceuticals, small molecule drug products, drug delivery technology, chemical processing, materials science, analytical instrumentation and medical devices.



**Jared L. Cherry**  
*Salt Lake City*  
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- B.S. electrical engineering
- Patent attorney since 2007

Electrical technologies, computer software, computer hardware, mechanical devices, communication systems, semiconductor devices, business methods



**Kory D. Christensen**  
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- B.S. computer science
- Patent attorney since 1999

Graphical user interfaces, business methods, interactive television, optical character recognition, database management, satellite communication, Web analytics, document automation, Internet search engines, computer storage systems, video codes, cryptography, microprocessor architectures, and object-oriented programming



**Yury M. Colton, Ph.D.**  
*Seattle*  
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- Ph.D. molecular genetics
- B.S. microbiology
- Patent agent 2004-05
- Patent attorney since 2005

Biotechnology, pharmaceuticals, chemistry, vaccines, gene therapy, proteins, and medical and mechanical devices



**John P. Davis**  
*Salt Lake City*  
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(801) 578-6902

- B.S. electrical engineering
- Patent attorney since 2010

Medical devices, network infrastructure equipment, business methods, e-commerce, Internet services, data management and security, digital rights management (DRM), software, telecommunications systems, electronic circuits, mechanical devices, wireless systems, optical devices and materials, semiconductor materials and processing techniques, energy storage, solar cell technologies, and power distribution management systems



**Kassim M. Ferris**  
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(503) 294-9670

- B.S. mechanical engineering
- 3 years' engineering experience
- Patent attorney since 1997

Mechanical systems, semiconductor integrated circuit fabrication, atomic layer deposition, metal stamping and heat treating, plastics molding, ballistics, gun safety equipment, windows and doors, optical systems, electrical connectors, computer systems and software, image processing, flat-panel displays, apparel, footwear, and Internet business methods



**Justin K. Flanagan**  
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- B.S. electrical engineering
- Patent attorney since 2011

Electrical technologies, computer hardware and software, telecommunication systems, medical devices, mechanical devices, semiconductor devices, and business methods.



**Barton W. Giddings,  
Ph.D.**  
*Salt Lake City*  
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(801) 578-6920

- Ph.D. biology
- B.S. mathematics
- Patent attorney since 1997

Biotechnology, pharmaceuticals, biopharmaceuticals, small-molecule drug products, assets of life science companies, competitive intelligence, and Hatch-Waxman issues



**Joshua G. Gigger**  
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(801) 428-6311

- B.S. and M.S. microbiology
- Patent attorney since 2004

Medical device, biotechnology and other life science technologies, including proteins, antibodies, stents, drug delivery systems and PCR-based technologies



**Joe J. Hawkins**  
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(801) 578-6971

- B.S. and M.S. electrical engineering
- 6 years' software engineering experience
- Patent attorney since 2007

Computer and electrical engineering, software, data security, networking, communications, optics and Internet-related technologies, network security products, XML security standards and peer-to-peer networking product features



**Daniel C. Higgs**  
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(801) 578-6926

- B.S. physics
- Patent attorney since 2005

Medical devices including catheters, implantable ports and other vascular access technologies; needle shielding and retracting devices; needleless connectors; orthopedic implants; intraocular implants; blood pumps; analyte detection and monitoring systems; imaging systems; mechanical devices; optics; lasers; semiconductor fabrication; nanotechnology; renewable energy technologies and software



**Loren R. Hulse**  
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- B.A. biology
- Patent attorney since 2001

Pharmaceuticals, biotechnology and other life science technologies, including genes, genetic constructs, protein constructs, nucleotide analogs, genetic therapies and medical devices



**R. Whit Johnson**  
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- B.S. computer engineering
- B.S. computer science
- Patent attorney since 2007

Computer software and hardware, electronics, networking, business methods, mechanical devices and medical devices



**Kevin B. Laurence**  
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- B.A. chemistry
- Patent attorney since 1994

Pharmaceuticals, medical devices, plastics, composite materials, explosives, nanotechnology and semiconductor devices



**Michael L. Levine**  
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- B.A. chemistry
- Patent agent since 1989

Chemistry, pheromones, metathesis reactions, lasers, optics, micromachining and semiconductor processing



**James B. McCammon**  
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- B.S. mechanical engineering
- Patent agent since 2006
- Patent attorney since 2009

Medical devices including stents, catheters, valves, connectors, snares, safety needles, and sharps holding devices; mechanical systems and devices including airbags, plasma torch components, mobility assistance devices, modular storage systems, and exercise equipment; and material processing systems, methods, and devices



**Alex Oh**  
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- B.S. neurobiology
- B.A. communication
- M.S. biotechnology
- Patent attorney since 2011

Biotechnology, pharmaceuticals, biologics and small molecule therapeutics, medical and mechanical devices, drug delivery technologies, chemistry



**Tyler Overall**  
*Portland*  
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- B.S. electrical engineering
- Patent attorney since 2007

Electrical and electro-mechanical technologies, optical systems, DVD technology, semiconductors, micro-electro-mechanical systems, wireless communication, and computer hardware



**Matthew C. Phillips**  
*Portland*  
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(503) 294-9851

- B.S. M.S. and D.E.E. electrical engineering
- 3 years' engineering experience
- Former patent examiner
- Former clerk, U.S. Court of Appeals for Federal Circuit
- Patent agent 1998-2001
- Patent attorney since 2001

Electronics and computer-related technologies, digital signal processing, telecommunications, image processing, neural networks and control systems



**John A. Rafter, Jr.**  
*Portland*  
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(503) 294-9882

- B.S. mechanical engineering
- 3 years' engineering experience
- 4 years' experience as patent liaison and agent
- Patent agent 1984-86
- Patent attorney since 1986

Mechanical technologies, bar code scanning, optical systems, medical devices, computer technology and software, renewable energy systems and processes, aircraft systems and components, material handling systems, Internet business methods and motion picture/video equipment



**Nathan D. Scherer**  
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- B.S. biomedical engineering
- 4 years' engineering experience
- Patent attorney since 2006

Medical and dental equipment, electronics and computer technologies, flat-panel displays, industrial control equipment, mechanical technologies, and heat transfer and fire safety systems



**Karl G. Schwappach**  
*Minneapolis*  
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- B.S. mechanical engineering
- 5 years' engineering experience
- Patent attorney since 1992

Orthopedic implants, spinal implants, surgical tools and procedures, physical therapy products, disk drives, chip-scale electrical connectors, micro-electro-mechanical systems (MEMS), micro-optical-electro-mechanical systems (MOEMS), precision measuring equipment, retro-reflective films, windows and doors, archery products, snowmobiles, mountaineering and rock climbing equipment, computer software, filtration technology, and material handling and process control



**Rachel M. Slade, Ph.D.**  
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- Ph.D. organic chemistry
- B.S. biochemistry
- B.S. chemistry
- Patent attorney since 2009
- 11 years' experience as scientist in pharmaceutical/biotech industry

Pharmaceuticals, organic chemistry, small-molecule drug products, biotech



**Robert R. Teel**  
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- B.S. electrical engineering
- M.B.A.
- 4 years' engineering experience

Electrical circuits and systems, data converters, semiconductors, electrooptical systems, lasers, consumer electronics, medical devices, liquid crystal devices and display systems, wireless communications systems and data-links, computer networks, robotic equipment, computer hardware and software, mechanical systems and devices.



**Matthew D. Thayne**  
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- B.S. physics
- Patent attorney since 2002

Medical devices, mechanical technologies, bar code scanning, optical systems, semiconductor fabrication, Internet business methods, automotive safety devices, interactive television systems, computer software, wireless data management systems, RFID systems, mobile computing cases and accessories, electromechanical drug and fluid delivery devices, orthopedic implants, vascular access systems and fluid particle sorting



**John R. Thompson**  
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- B.S. electrical engineering
- 2 years' engineering experience
- Patent attorney since 1995

Electrical technologies, computers and software, including database management systems, network communication systems, Internet quality of service, solid-state architecture, laser measurement systems, Internet commerce security, power adapters, broadcast systems, flat-panel display devices, optical scanners and power line fault detection



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- B.S. mechanical engineering
- M.S. biomechanical engineering
- Patent attorney since 2010

Mechanical systems and devices, biomedical devices and biotechnology systems, including prosthetic devices, stents, surgical tools, biomaterials, and drug delivery systems, cell and tissue culture technologies, including tissue growth technology and assay methods



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- B.S. biology
- Patent agent 1998-99
- Patent attorney since 1999

Pharmaceuticals, biotechnology, medical devices, large and small molecule therapeutics, drug delivery technologies and drug formulations



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