



## James G. Goodberlet PhD

### Patent Agent

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### Education

Bates College, BS,  
Physics, *magna cum  
laude*

Massachusetts Institute  
of Technology, MS,  
Electrical Engineering

Massachusetts Institute  
of Technology, PhD,  
Electrical Engineering

### Practice Groups

Electrical & Computer  
Technologies

Post-Grant Proceedings

James Goodberlet works with large, small, and academic clients in patent prosecution in the areas of microfabrication and semiconductor devices, nanotechnology, optics, electronics, microfluidics, renewable energy technologies, and medical instrumentation. The types of services that James assists with include litigation, post-grant proceedings, non-infringement analysis, invalidity analysis, due diligence, freedom to operate, patent application preparation, and prosecution of patent applications.

Prior to working in IP, James worked as a research scientist in various areas of technology for 20 years, most of which was spent at MIT and GTE Laboratories. During the latter half of this period, James focused on semiconductor manufacturing research and development of novel microfabricated devices. James received his PhD from MIT in Electrical Engineering, with a major in Optics and minor in Solid State Electronics. James joined the Nanostructures Laboratory at MIT as a post-doctoral associate and continued as a research scientist where he conducted and supervised research in the areas of electron-beam lithography, low-cost photolithography, and integrated optoelectronic, optical, and microfluidic device fabrication. James' earlier research included work at GTE Laboratories in the areas of integrated optical devices and fiber optic communication systems. During graduate studies, James was the first to passively mode lock a Ti:Al<sub>2</sub>O<sub>3</sub> laser. His doctoral work involved high-power, pulsed-laser systems and development of a table-top X-ray laser.

James founded and operated a private business providing consulting and equipment development services. He prepared, filed, prosecuted patent applications, and managed the IP portfolio for the business as well as designed and developed electronic, pneumatic, and optical equipment. He has consulted for companies developing microfluidic devices, integrated optical devices, contact photolithography systems, and high-power laser systems.

## Experience

- Non-infringement analyses for an international semiconductor corporation in the area of power FETs
- Assist in post-grant proceedings to invalidate patents in the area of LCD displays
- Prosecution of numerous semiconductor patents for an international semiconductor corporation
- Due diligence for large US company in phosphorescent organic light-emitting diode space
- Due diligence resulting in \$31 million investor funding for start-up company in bioreactor space
- Validity and non-infringement analysis for multinational corporation manufacturing wind turbines
- Validity and non-infringement analysis for commercial ventures in medical device and biochemical diagnostic apparatus spaces

## Activities

- Optical Society of America, Reviewer for several journals

## Recognition

- Academic All-American
- Dana Scholar, Bates College
- Phi Beta Kappa Member
- Bose Graduate Research Fellow

## Interests

James is co-inventor or sole inventor of 10 US patent applications and patents.