



# Christopher C. Bowley, Ph.D. Principal



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## Overview

### About Chris

Chris Bowley, Ph.D., is a principal in the Silicon Valley\* office of Fish & Richardson P.C. Dr. Bowley was previously an associate, patent agent, and technology specialist with the firm.

His practice emphasizes patent prosecution and counseling, patent strategy and analysis, and development and management of patent portfolios. Technical areas of Dr. Bowley's patent prosecution work include various sub-fields of physics including solid-state physics, optics, electricity and magnetism, mechanics, atomic and molecular physics. Dr. Bowley has substantial experience in a variety of optical technologies, including imaging systems, illumination systems, displays (e.g., LCDs, projection displays, and microdisplays), interferometry (e.g., distance measuring interferometry and surface profiling interferometry), optical communications, optical waveguides, liquid crystal devices, lasers (e.g., semiconductor lasers, fiber lasers, and gas lasers), electro-optic devices (e.g., LEDs), optical materials, optical components (e.g., retardation films, polarizers, and diffractive optics). Other technologies include semiconductor fabrication, semiconductor metrology, chemical vapor deposition, chemical fluid deposition, MEMS devices, ink jet printing, microfluidics, electrophoretics, superconductors, and nanotechnology.

Prior to joining Fish & Richardson, Dr. Bowley served as a senior research physicist developing liquid crystal polymer technology for optical film applications in the optical systems division of 3M Co. (2000-2001). He has additional experience as a graduate research assistant in the areas of fabrication,

electro-optic, mechanical, and microscopic characterization, and numerical simulation of numerous liquid crystal and polymer composite devices at Brown University (1996-1999).

\*Not admitted to practice in California. Work conducted in California is directly supervised by a member of the California bar or limited to federal courts and agencies listed below.

## Focus Areas

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### **Services**

- Patent
- Opinions and Strategic Counseling
- Patent Portfolio Management
- Patent Prosecution

### **Industries**

- Chemicals
- Electrical and Computer Technology
- Optics
- Semiconductors
- Telecommunications

## Education

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J.D., Suffolk University Law School (2006)

Ph.D., Physics, Brown University (1999)

M.S., Physics, Brown University (1996)

B.S. *with honors*, Physics, University of Cape Town (1994)