



## **Gavin G. Ye, Ph.D.**

Partner

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### **Education**

J.D., The George Washington University Law School

Ph.D., Duke University, Electrical and Computer Engineering

M.S., Duke University, Electrical and Computer Engineering

B.S., Tsinghua University, Electrical Engineering

### **Admissions**

Virginia State Bar

U.S. Patent and Trademark Office

### **Practice**

Gavin Ye, Ph.D. practices all aspects of patent law. His decade-long experience includes patent asset creation and transaction, portfolio management, client counseling, patent litigation before federal district courts and Section 337 investigations before the U.S. International Trade Commission (ITC), and post-grant proceedings before the Patent Trial and Appeal Board (PTAB) of the U.S. Patent and Trademark Office (USPTO). He leverages his extensive experience in patent prosecution and patent litigation to strategically protect client's intellectual properties and to defend the clients against patent infringement claims.

Gavin has drafted and prosecuted more than one thousand patent applications. He routinely interviews inventors to develop patent strategy, interviews examiners to advance prosecution, and appeals rejections to the PTAB. He is skilled in leveraging various procedural avenues to achieve specific prosecution objectives, ranging from fast allowance (for example, an application was allowed in less than four months after filing) to broad protection scope (for example, an application was allowed with an intact claim set after appeal).

Gavin's extensive patent litigation experience includes pre-litigation investigations and due diligence, fact and expert discovery, motion practice, claim construction analysis and briefing, deposition of fact and expert witnesses, and summary judgement briefings. He is also experienced in leveraging PTAB proceedings to gain advantage in settlement negotiations.

Gavin also has deep understanding of cutting-edge technologies and thus able to communicate with innovators effectively, thanks to the rigorous training he received from academia, as well as his continuous learning of frontline scientific and industrial advancements. His broad experience includes artificial intelligence and machine learning and their applications in diagnostic and therapeutic medical devices, financial technology (FinTech), and autonomous driving; smart appliances utilizing complex control of electromagnetic energy; e-commerce platforms fusing clouding computing, advanced payment systems, and data-driven growth strategies; telecommunication technologies forming the bases for LTE and 5G standards; miniature chemical analyzers stemming from space projects; sharing economy systems disrupting traditional transportation and lodging industries; as well as such diverse fields as semiconductor devices, consumer electronics (game consoles, cameras, printers, etc.), mechanical systems, medical imaging devices, power electronics, circuitry, computer simulation software, network technologies, and business methods.

Having served clients ranging from high-tech startups to multinational corporations, Gavin is well aware of the different roles intellectual properties play for companies at different development stages, and works closely with clients to ensure their patent strategies align with their business goals.

Prior to joining Bayes PLLC, Gavin practiced for ten years at Finnegan, Henderson, Farabow, Garrett & Dunner, LLP.

## **Practice Areas**

### **Patent Office Practice**

- Patent Drafting
- Patent Prosecution
- Appeals to the PTAB
- Reexaminations
- PTAB Proceedings

### **Patent Litigation**

- ITC Section 337 Investigation
- District Court Litigation
- Pre-litigation Diligence
- Settlement Negotiation

### **Other Practices**

- Strategic Patent Planning
- IP Licensing and Transactions
- Legal Opinions and Counseling
- Due Diligence

## **Representative Experience**

### **ITC Investigations:**

*Certain Modular LED Display Panels and Components Thereof (Ultravision Technologies, LLC v. LEDman Optoelectronics Co., Ltd. et al.)*

ITC, 337-TA-1114

Judge Shaw

Relevant Technology: Modular LED Display Panel

*Certain Digital Cable and Satellite Products, Set-top Boxes, Gateways, and Components Thereof (Sony Corp. et al. v. ARRIS Enterprises LLC et al.)*

ITC, 337-TA-1049

Judge McNamara

Relevant Technology: Cable and Satellite Set-top Boxes, Internet Gateways

*Certain Cold Cathode Fluorescent Lamp ("CCFL") Inverter Circuits (O2 Micro International, Inc. v. Monolithic Power Systems, Inc.)*

ITC, 337-TA-666

Judge Gildea

Relevant Technology: CCFL Driver Circuits

**District Court Litigation:**

*MLR, LLC v. Sony Electronics Inc.*

E.D. Va. 1:13-cv-01208

Relevant Technology: Wireless Communication Devices

*Bender v. LG Electronics et al.*

N.D. Cal. CV-09-2114

Relevant Technology: Current Feedback Amplifiers

*Lighting Ballast Control LLC v. Universal Lighting Technologies, Inc. et al.*

N. D. Tex 7:09-CV-00029-O

Relevant Technology: CFL Driver Circuits

**PTAB Proceedings:**

*LG Electronics, Inc. v. Broadcom Corp.*

IPR2017-01637

IPR2017-01675

Relevant Technology: Video/Audio Encoding and Decoding

*Guangdong Xinbao Electrical Appliances Holdings Co. Ltd. v. Adrian Rivera*

IPR2014-00042

Relevant Technology: Coffee Makers

**Selected Publications**

**Defending Against NPE Attacks Using Low-Cost IPRs**

*China IP News*, Aug 17, 2016

**The PSTD Method with the 4th-Order Time Integration for 3D TAT Reconstruction of a Breast Model**

*Journal of Computational Acoustics*, Vol. 22, No. 4, 2014

**Breast Imaging using Electrical Impedance Tomography (EIT)**

*Emerging Technology in Breast Imaging and Mammography*, American Scientific Publishers, 2007

**An Efficient Forward Solver in Electrical Impedance Tomography by Spectral Element Method**

*IEEE Transactions on Medical Imaging*, Vol. 25, Issue 8, Aug. 2006

**A 3D EIT System for Breast Cancer Imaging**

*3rd IEEE International Symposium on Biomedical Imaging: Nano to Macro*, 2006.