



## → Charles Huang

### Special Counsel

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Dr. Charles Huang is an associate in the Intellectual Property Practice Group in the firm's Washington, D.C. office.

### Areas of Practice

Charles' practice focuses on patent prosecution and enforcement. He prepares and prosecutes hundreds of patent applications in the areas of semiconductors, LEDs, displays, wireless communications, robotics, software, cloud computing, artificial intelligence and optical devices. He also participates in litigation in district courts and at the U.S. International Trade Commission (ITC), and in proceedings before the U.S. Patent and Trademark Office. Charles counsels clients on portfolio management, due diligence and patent invalidity and infringement issues.

Prior to law practice, Charles worked as an intellectual property manager for liquid crystal display manufacturing companies in Taiwan and mainland China. In those positions, he was responsible for analyzing several LCD-related patent portfolios, supervising litigations relating to U.S. patent rights and negotiating patent acquisitions. He previously served as a senior engineer in support of the development of wide viewing angle LCDs, laser cutting, backlight technology, amorphous and polysilicon TFTs, driving circuitry and OLEDs, including OLED material evaluation, electrode and pixel designs and driving schemes.

Charles obtained his Ph.D. in materials science, with a particular focus on optoelectronic devices and related semiconductor technologies. He is particularly knowledgeable regarding the interpretation of analytical results obtained from instruments employed in materials science research. He served as chief assistant, instrument center, at Taiwan's National Science Counsel, with responsibility for operating an atomic resolution electron microscope. His graduate research at National Tsing Hua University related to the interfacial reaction between metal thin films and semiconductors, and its applications in ultra large-scale integrated circuits.

## Practices

Intellectual Property

## Industries

Aerospace, Defense & Government Services

Automotive

Blockchain

Blockchain and Fintech  
Emerging Company & Venture Capital  
Fintech  
Transportation

## Education

J.D., Catholic University of America, 2014, *cum laude*  
Ph.D., National Tsing Hua University, 2000  
M.S., National Tsing Hua University, 1996  
B.S., National Tsing Hua University, 1994

## Admissions

District of Columbia  
Virginia  
U.S. Patent and Trademark Office

## Additional Office

Silicon Valley

## Languages

Chinese (Mandarin)