



Chaoxuan Charles Liu

Of Counsel

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Dr. Chaoxuan Charles Liu is a litigation attorney in Winston's Dallas office who focuses on patent litigation. Charles has worked in patent law since 2012 and over the years has acquired significant experience in patent litigation, patent prosecution, and post-grant trials, among other intellectual property areas. Holding a PhD in electrical engineering, Charles is well-versed in a wide spectrum of technical fields and uses his technical expertise to advise clients on patent matters.

With a PhD in electrical engineering, Charles understands the technologies of his clients and is passionate about solving legal disputes involving complex technologies. Charles has over 10 years' experience in intellectual property law, and his experience covers a wide spectrum of technology fields such as semiconductors, sensors, telecommunications, circuits & electronics, data processing, software applications, identification & security technologies, among others. Charles is also a co-inventor of multiple U.S. patents and the first author of many scientific publications that have been cited hundreds of times by researchers around the world.

Key Matters

Some of the experience represented below may have been handled at a previous firm.

Charles' notable experience includes the following:

- Helped secure a win for a major welding equipment manufacturer as plaintiff against its competitor in a multi-patent infringement case that led to a consent judgment with a multi-year injunction against the accused products and a substantial settlement payment.
- Helped secure a win for a banking software supplier against a former vendor who sued for ownership of certain banking software and breach of relevant contracts by obtaining a favorable consent judgement where client received software ownership and large settlement amount.
- Obtained early dismissal of a patent infringement suit for a pipe connector manufacturer by preparing strong invalidity grounds in inter partes review (IPR) petitions against patents-in-suit.
- Represented an identity security devices provider as plaintiff in a high-stake patent infringement suit.
- Represented an email security provider in defending a trade secret misappropriation suit.
- Supported an investigation at the International Trade Commission (ITC) for a leading 3D display provider as complainant against its competitor, which led to a favorable final determination that found all patent claims infringed.
- Served as technical lead in multiple IPRs at the USPTO that invalidated all claims asserted in parallel district court litigation.
- Drafted and successfully prosecuted hundreds of high-tech patent applications.

Recent Experience

ITC ALJ Issues Win for AMD

Activities

- Dallas Bar Association
 - Dallas Asian American Bar Association
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Credentials

EDUCATION

Charles received his PhD and M.S. in electrical engineering from Louisiana State University in 2012 and 2008, respectively. Before that, he received his B.E. in control engineering from Huazhong University of Science & Technology (China) in 2006. He received his J.D. from Southern Methodist University Dedman School of Law in 2018, where he graduated *magna cum laude* and served as the senior articles editor of the SMU Science and Technology Law Review.

ADMISSIONS

- U.S. Patent & Trademark Office
- Texas

LANGUAGES

- Cantonese
- Mandarin

Related Insights & News

- “Fixing secondary considerations in patent obviousness analysis,” 60 IDEA 352, 2020
- “Apparatus and method for nanocomposite sensors,” U.S. Patent No. 9,518,878, Co-inventor, Dec. 2016
- “Apparatus and method for nanocomposite sensors,” U.S. Patent No. 9,099,224, Co-inventor, Aug. 2015
- “Analyzing resistance response of embedded PDMS and carbon nanotubes composite under tensile strain,” *Microelectronic Engineering*, Co-author, 2014
- “Improved dispersion of carbon nanotubes in polymers at high concentrations,” *Nanomaterials*, Co-author, 2012
- “Embedding conductive patterns of elastomer nanocomposite with the assist of laser ablation,” *Microsystems Technologies*, Co-author, 2012
- “Precision patterning of conductive polymer nanocomposite using a laser-ablated thin film,” *Journal of Micromechanics and Microengineering*, Co-author, 2012
- “Strain-dependent resistance of PDMS and carbon nanotubes composite microstructures,” *IEEE Transaction on Nanotechnology*, Co-author, 2010
- “Loving the Deep South,” *US Campus Guide*, 2010
- “Patterning conductive PDMS nanocomposite in an elastomer using microcontact printing,” *Journal of Micromechanics and Microengineering*, Co-author, 2009
- “A planar lens based on electrowetting of two immiscible liquids,” *Journal of Micromechanics and Microengineering*, Co-author, 2008

RECOGNITIONS

Winston Team Recognized in *Am Law Litigation Daily's* Litigator of the Week Column

JANUARY 26, 2024

CLIENT SUCCESS

ITC ALJ Issues Win for AMD

JANUARY 25, 2024

Capabilities

Intellectual Property

Litigation/Trials

Patent Litigation

Trade Secrets, Non Competes & Restrictive Covenants

IP Licensing & Due Diligence

Technology, Media & Telecommunications

Medical Devices

Life Sciences