

# Jing (Jean) He, Ph.D.

PATENT AGENT

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Jing “Jean” He provides sophisticated and comprehensive patent strategies that are designed to achieve the business goals of each client. She works tirelessly to protect their innovation, realize values and pursue business success in their products. Jean has a broad academic and research background. It was her industry experiences and technical proficiency that brought her to the legal field-patent law practice in 2007. She worked as a senior engineer, advisory engineer, senior staff engineer and team lead, overseeing the design, improvement and performance of advanced data storage systems in several prominent high technology companies.

With the combination of her technical background and patent law practice, she connects well with clients to meet their needs, including freedom-to-operate, patentability searches, strategy on developing patent portfolios, such as for startups, and protecting innovation while recognizing actual and potential values of the intellectual properties. She has drafted numerous patent applications in diverse technologies including:

- Printed Circuit Board technologies
- Quantum computing and quantum secure communications
- 5G technologies
- Battery material formulation development assisted with machine learning
- LiDAR technologies and machine learning
- Nanotechnology
- Battery technologies
- Optical metasurfaces
- Communication systems (antenna) using metamaterials
- Metallic glasses/alloys
- Medical devices
- Display technologies
- Semiconductors
- Laser technologies
- LED technologies
- Renewable energy
- Network system technologies

In addition, she has responded to numerous Patent Office Actions or provided instructions

## Capabilities

- Intellectual Property
- Patent Preparation & Prosecution
- Medical Devices
- Mechanical Engineering & Medical Devices Patent Prosecution
- Electrical Engineering & Computer Science Patent Prosecution
- Chemical Intellectual Property
- International Intellectual Property
- International Patent Filings & Strategy

to foreign associates in technologies, including new materials and processes, sound technology, microelectro-mechanical systems, telecommunications, medical and mechanical devices, data storage and business methods.

## **Education**

- University of Colorado Boulder (Ph.D., 1992)
  - Mechanical Engineering
- University of Denver (M.S., 1988)
  - Physics
- Institute of Acoustics, Chinese Sciences Academy (M.S., 1986)
  - Acoustics
- Beijing University (B.S., 1983)
  - Physics

## **Bar Admissions**

- Admitted to practice before the United States Patent and Trademark Office

## **Matters**

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- Represented a large high tech company in Silicon Valley in building international patent portfolios related to materials developments and battery technologies and patent prosecutions for 8+ years.
- Represented a large company in patent prosecutions and developing patent portfolios related to printed circuit technology including 5G technology for 6 years.
- Represented a client for building patent portfolios and spinning a startup that raises 1 billion dollars of venture capital fund.
- Represented a large Chinese medical device company in patent prosecutions.