

LEO ZENGJIAN LIU

PATENT & IP SUBJECT MATTER EXPERT

Chinese Patent Law | CNIPA Examination | AI Training & Evaluation | Cross-Border Patent Practice

zjianliu@163.com | Shenzhen, China | crossvisionip.com | Global Remote Expert / Project Engagements

PROFESSIONAL SUMMARY

Chinese Patent Agent and senior patent practitioner with 24+ years of hands-on experience in patent prosecution, patentability analysis, prior-art assessment, claim drafting, Office Action analysis, infringement, validity, FTO, and cross-border patent practice. Qualified as a Chinese Patent Agent in 2004 and as an Intellectual Property Professional in 2021. Deep working knowledge of Chinese Patent Law and CNIPA examination practice, including novelty, inventive step, clarity, support, sufficiency of disclosure, claim amendments, reexamination, invalidation, and patent infringement analysis. Substantial cross-border experience involving CNIPA, PCT, USPTO, and EPO matters.

Experienced in AI-assisted patent analysis and expert validation of AI-generated legal and technical outputs, including review for factual accuracy, claim-scope errors, omitted limitations, incorrect prior-art mapping, unsupported conclusions, terminology inconsistency, and hallucinations.

CORE DOMAIN EXPERTISE

- Chinese Patent Law & CNIPA Examination
- Patentability & Prior-Art Analysis
- Office Action & Prosecution Analysis
- PCT / USPTO / EPO Cross-Border Practice
- AI / LLM Output Evaluation & QA
- Novelty & Inventive Step / Obviousness
- Patent Claims, Drafting & Amendments
- Infringement, Validity & FTO
- Chinese-English Patent Review
- Gold Answers, Rubrics & Expert Review

PROFESSIONAL EXPERIENCE

CROSSVISION IP CONSULTING / 深圳跨域知见顾问有限公司 | Founder & Principal | 2026–Present | Shenzhen, China

- Lead an independent Shenzhen-based IP practice focused on Patent/IP subject-matter expertise for AI training and evaluation, Chinese Patent Law and CNIPA practice, cross-border patent analysis, and senior patent work-product review.
- Develop and use structured AI-assisted workflows for claim analysis, prior-art review, Office Action analysis, patent drafting, translation review, FTO, infringement, and validity assessment; evaluate AI-generated outputs against original disclosures, patent-office rules, cited references, prosecution records, and technical evidence.
- Design and apply review criteria for legal and technical reasoning, including detection of hallucinations, unsupported conclusions, omitted claim limitations, inaccurate technical mappings, and terminology inconsistency.
- Operate CrossVision IP (跨域知见), a practitioner-focused publication with 290+ original articles on cross-border IP practice, patent risk, prosecution strategy, and AI-assisted patent work; deliver professional training and maintain an exchange community for foreign-related IP practitioners and cross-border businesses.

INNOVA IP / 广州英诺汇华知识产权代理事务所 | Executive Partner | Senior Patent Practitioner | 2022–2026 | China

- Provided senior-level patent prosecution, analysis, and cross-border support involving Chinese and international patent matters across mechanical, electromechanical, electronic, consumer-product, and other technologies.
- Analyzed CNIPA examination issues involving novelty, inventive step, clarity, support, sufficiency of disclosure, claim scope, and amendment compliance; conducted structured inventive-step and prior-art analysis.
- Supported Chinese-originated USPTO and EPO matters in collaboration with qualified U.S. and European counsel, including Office Action analysis, claim amendments, cited-reference mapping, and cross-jurisdictional prosecution strategy.
- Conducted FTO, patent infringement, validity, and claim-chart analyses and performed senior quality assurance of patent work products.

ZHUHAI ZHIZHUAN PATENT & TRADEMARK AGENCY CO., LTD. | Director of International Affairs | Patent Agent | 2007–2021 | Zhuhai, China

- Led and supported international and foreign-related patent matters for Chinese and overseas clients, with extensive PCT and cross-border practice involving the United States, Europe, Canada, Australia, Japan, Southeast Asia, and other jurisdictions.

- Represented or supported applicants in CNIPA prosecution and handled foreign-originated PCT applications entering the Chinese national phase.
- Worked extensively with technical disclosures, prior art, patent claims, examination opinions, amendments, bilingual patent documentation, and overseas filing strategy.
- Advised enterprises on patent applications, searches, protection strategy, and overseas IP risk management across multiple technology sectors.

GUANGZHOU YUEGAO PATENT AGENCY CO., LTD. | Patent Agent | 2002–2005 | Guangzhou, China

- Began professional patent practice in 2002, handling Chinese patent prosecution, patent drafting, Office Action analysis, prior-art review, and client advisory work.
- Obtained the Chinese Patent Agent qualification in 2004 and continued to develop hands-on prosecution and drafting experience across multiple technical fields.

SELECTED EXPERT, ENFORCEMENT & DISPUTE EXPERIENCE

- Official appointments include First-Designated IP Expert, Guangdong Province IP Expert Pool; Overseas IP Enforcement Expert, Guangzhou Intellectual Property Protection Center; Overseas IP Dispute Response Expert, Wuhan Intellectual Property Protection Center; Technical Investigation Officer (IP Administrative Enforcement), Guangdong Provincial Administration for Market Regulation; Mediator, Guangdong IP Disputes People’s Mediation Committee; and Invited Mediator, Greater Bay Area Intellectual Property Mediation Center.
- Participated in multiple patent infringement technical investigations involving claim-feature decomposition, all-elements comparison, technical-equivalence analysis, accused-product review, technical evidence, and written technical-investigation opinions.
- Repeatedly served as an on-site IP expert at the Canton Fair and other major trade exhibitions to assist with investigation of IP infringement complaints and provide independent expert input to organizers.
- Supported a Chinese enterprise in responding to a U.S. Section 337 investigation, including analysis associated with a design-around solution that later obtained U.S. patent protection and was implemented in products entering the U.S. market.

AI & LEGAL-TECHNOLOGY EXPERIENCE

- Evaluation of AI-generated patent and legal reasoning for factual, legal, technical, and evidentiary reliability.
- AI-assisted prior-art and patent-family research; claim-feature extraction; Office Action and prosecution-history analysis.
- Development of expert questions, evaluation criteria, review checklists, scoring rubrics, and multi-stage human-validation workflows for patent-related outputs.
- Detection of hallucinated authorities, unsupported factual conclusions, incorrect technical mappings, and scope-altering translation errors.
- Human expert validation of AI outputs before professional use.

EDUCATION, QUALIFICATIONS & LANGUAGES

Education

South China University of Technology | Bachelor’s Degree | Engineering / Engineering Mechanics

Professional Qualifications

Chinese Patent Agent Qualification (2004) | Intellectual Property Professional Qualification, China (2021)

Languages

Chinese — Native | English — Professional working proficiency with extensive patent-document and international professional communication experience

Technical / Patent Practice Areas

Mechanical systems; electromechanical products; electrical engineering; communications; optoelectronics; industrial design; consumer products; manufacturing systems; electronics; software-related inventions