

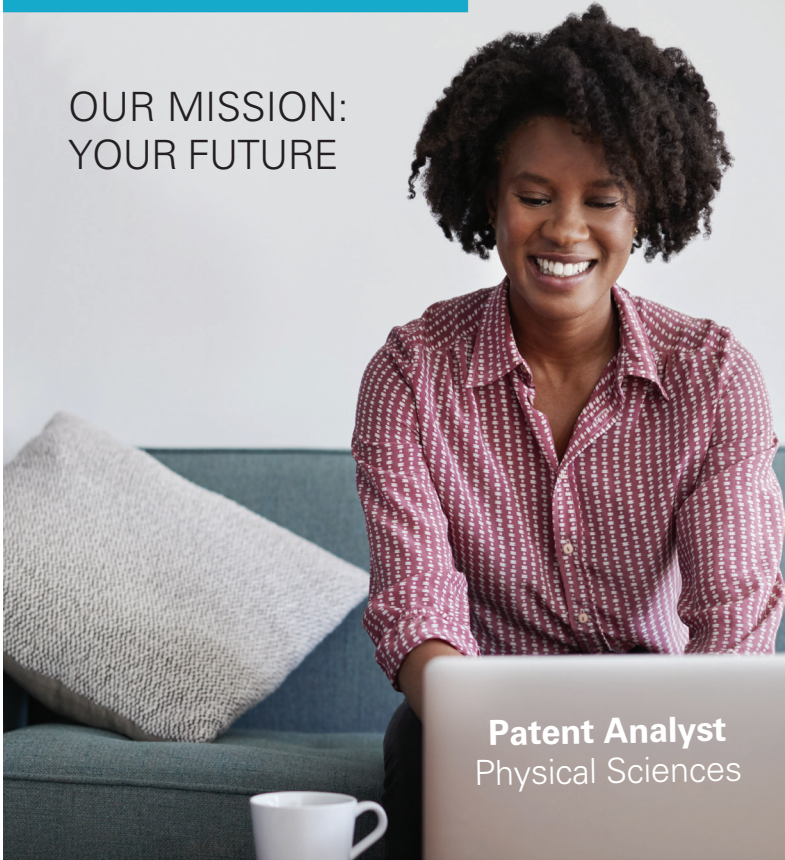
LIMITLESS POTENTIAL

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Physical Sciences



IP Services

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PATENT ANALYST PHYSICAL SCIENCES

Job Description:

Patent Engineers specialize in conducting patent searches for clients. They utilize their technical background and experiences to understand and visualize each invention or patent disclosure; and apply critical thinking, mechanical reasoning and problem-solving skills to conduct a focused and comprehensive search for prior art references for a search report. Patent Engineers appreciate how things work.

At Cardinal, our Patent Engineers work with constantly new inventions and cutting-edge technologies, each project providing unique and broad challenges. Patent Engineers work on various types of projects, including but not limited to examination, patentability, invalidity, state of the art, and freedom to operate searches.

Position Responsibilities/Duties:

- Conduct high-quality patent search projects
- Meet deadlines and manage the assignments on docket
- Communicate effectively with other staff and team members
- Work and be available during business hours

Required Skills and Abilities:

- Familiarity with search engines (Boolean logic)
- Problem solving skills needed to construct and conduct searches using various search engines
- Critical thinking skills to analyze found results and to complete a search report
- Mechanical Reasoning skills to mentally visualize structure and operation of inventions and prior art

Qualifications:

- Advanced degree in Physics – Chemical and Electrical experience a plus
- Search experience a plus
- Familiarity with search engines a plus
- Ability to work independently in a deadline driven environment
- Self-motivated to work effectively and efficiently
- OPT students are welcomed

Performance Requirements:

- Technical understanding of the invention disclosure, and identification of search focus
- Problem solving skills to construct and to conduct patent searches using various search engines
- Critical thinking skills to analyze found results and to complete a search report

Technical Areas of Interest:

- Semiconductors
 - Integrated circuit design
 - Fabrication of semiconductor integrated circuits, preferably with direct integrated circuit fabrication experience
- Batteries/Alternate energy
 - Battery design and technology, photovoltaic/solar technologies, nuclear energy, wind power generation, wave power generation, etc.
 - Photovoltaic/solar technologies, nuclear energy, wind power generation, wave power generation, etc.
- Sensors
 - Variety of sensors including chemical, electrical, optical, photosensors, biological, acoustic, infrared, etc.
- Lighting
 - Lighting fixture design
 - LED technology
 - Color rendering/mixing to light-based medical therapies
- Optics
 - Lens design and systems
 - Visual displays (including a consistent flow of head mounted displays, such as virtual reality glasses)
- Imaging
 - Cameras, microscopy, medical imaging (CT, MRI. etc.), cytometry
 - Imaging with some type of energy (light, acoustic, magnetic, X-ray, etc.).

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As the leading IP services company in the United States, the U.S. Patent & Trademark Office (USPTO) selected Cardinal to conduct their PCT searches and prepare preliminary opinions across all subject categories.

Cardinal offers an experienced team of over 150 U.S.-based research professionals, more than half holding Masters, Ph.D.s, and/or J.D.s.



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- ✓ Clients include **91** of the **AMLaw100**
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- ✓ Servicing **89** of the **Juristat** top 100 law firms
- ✓ Representing the **USPTO** as part of the **IP5 PCT** CS&E project
- ✓ **Hundreds** of **Fortune 500** clients



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