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### **Goal**

To apply my extensive experience as a patent agent and technical writer to drafting and prosecuting patent applications for software, the internet, telecommunications, semiconductors, electronics, computers, biomedical technology, biometrics, mechanical inventions, business methods, and similar.

### **Patent Work**

#### **Sterne, Kessler, Goldstein, and Fox PLLC (April 2006 - October 2009)**

Drafted and prosecuted patent applications on behalf of numerous clients in telecommunications, simulations, biomedical technologies, biometrics, electronics, software, finance, computer graphics. Engaged in extensive interviews with inventors. Conducted interviews with USPTO examiners. Drafted and filed pre-appeal briefs. Drafted approximately two dozen patent applications. Sample applications include:

- **Business methods/software:** Family of applications directed to software and business methods for enhancing integrity of large corporate database system.
- **Biomedical and Biometric technologies:** Applications directed to various improvements of / enhancements to implantable cardiac therapy devices; applications for fingerprint sensors.
- **Electronics:** Applications directed to enhanced RFID technologies, systems simulation environments, various component-level (i.e., transistor-level) electronics, implantable batteries, and signal processing systems.
- **Miscellaneous mechanical applications**

Drafted amendments and replies, and obtained allowances, in support of numerous applications. Subject matter domains of applications include:

- Wireless network communications security and integrity
- Cable communications systems
- Microprocessor architecture and operations
- Optical systems for biometric sensors
- Signal processing systems
- Electronic system timing and synchronization systems

(SKGF has laid off several people due to slow-downs in work from multiple clients, including ones I supported.)

#### **Freelance Technical Writing, 1990 - 2005 (Partial Client/Project List)**

- **Cognio (acquired by CISCO)** – Wrote reference manuals for *Spectrum Expert*<sup>TM</sup>, a set of hardware- and software-based tools to monitor the RF spectrum in bands impacting wireless LANs. Also documented an advanced RF chip design which incorporated cutting edge MIMO technology.
- **JDS Uniphase (formerly Acterna)** – Authored documentation for *AirAudit*, a testing system design to monitor the performance of cellular networks. Wrote the *Remote Control Chapter* for the *FIREBERD 4000 Reference Manual*; this device measures the performance of digital communications networks.
- **CIENA Inc.** – Documented *WaveWatcher*, software which monitors switching nodes and amplifiers in a communications network. Included both extensive system architectural descriptions, and detailed operational procedures. Documented business/engineering procedures for ISO-9000 certification.

### **Education**

- **M.A. in the Liberal Arts** from St. John's College in 2002
- **B.A. with Distinction** as a College Scholar from Cornell University in 1982. Studies in physics, math.
- **Continuing Education:** Certificate Degree in Programming from Montgomery College in 2002, with studies in C++, Visual Basic, Java, SQL. Studies in advanced math (linear algebra, differential equations, complex analysis, statistics), electronics (digital logic, circuit fundamentals), chemistry, biology, accounting at various colleges.