Keith L. Jenkins, Registered Patent Attorney, LLC

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SUMMARY

Experienced patent attorney has built a solo practice based on medium-size law firm experience and extensive experience in astronautical engineering.

EDUCATION

1995 JD, University of Colorado School of Law, Boulder, CO (Colorado Journal of International Environmental Law and Policy, staff; Saul Lefkowitz Memorial Trademark Moot Court National Finalist, Best Oralist Team).
1983 MS, Astronautical Engineering, Air Force Institute of Technology, Dayton, OH.
1979 BS, Aerospace Engineering, University of Colorado, CO.
(Tau Bata Pi, Sigma Gamma Tau National Engineering Honorary Societies)
1977 AA, Applied Science - Radar Avionics Technology, Community College of the Air Force.
1973 BA, Political Science and Religion (double major) Duke University, Durham, NC.

BAR ADMISSIONS

March 2000 US Patent and Trademark Office Reg. No. 46,303
October 1995 Admitted to Practice Colorado Supreme Court reg. No. 26,112
October 1995 U.S. District Court for the District of Colorado

WORK STATUS/CLEARANCES

US Citizen – No Current Clearance

EMPLOYMENT

June 2004 to present: Solo patent attorney as Keith L. Jenkins, Registered Patent Attorney, LLC. I draft and prosecute patent applications for private clients of all sizes.

April 2004 to August 31: Performing bid and proposal work toward a $621,000,000 government engineering and technical assistance contract for Computer Access, LLC.

December 2003 to March 2004: Patent attorney at Stoneman Law Offices, Ltd. Drafted patent applications using modular techniques, interacted with clients through all phases of patent prosecution, drafted and filed office action responses and petitions in patent cases, performed patentability searches, assisted in managing the law firm, drafted trademark prosecution documents for the senior attorney.

February 2003 to December 2003: Patent attorney with Ingrassia Fisher and Lorenz, PLC. Drafted and prosecuted domestic and foreign utility patent applications for high-tech clientele in medical, aerospace, automotive, and related industries.

September 2001 to January 2003: Patent attorney at Schmeiser Olsen & Watts, LLP, Mesa, AZ office. Drafted utility, provisional, and design patent applications in fields ranging from microelectronic devices to consumer widgets. Responded to office actions, interacted with patent clients at intake and throughout prosecution, researched and drafted infringement opinions, researched and drafted patentability search reports, and researched and drafted litigation documents for the managing partner.

1997 to August, 2001 Consultant with Computer Access, LLC (Engineering Consulting Firm). Drafted Small Business Innovative Research Proposals, receiving top marks from government evaluators on innovation and technical content.

Astronautical Engineer January 2000 to September 2000
Space vehicle simulation development lead on Space-Based InfraRed System Low Ground-Based Demonstration Unit project at Spectrum Astro, Inc. Developed a computer model of a specialized spacecraft bus, presented it at the preliminary design review, and won customer acceptance.

Astronautical Engineer July 1997 through December 1999
Performed flight software test and analysis, launch and early orbit analysis and support, and engineering analysis of attitude control systems on Motorola's Iridium satellite project. Performed special studies, such as threat analysis to the constellation from Leonid meteoroid storms, as needed. Modified test software to expand scope and improve integrity of test.

Attorney at Law October 1995 through July 1997
Private general civil practice in Colorado, including trade secret and copyright law. Developed and taught a CLE on Outer Space Law. Light trial experience, some first chair.

Law Student 1992 to 1995
Best Oralist Team, Saul Lefkowitz Memorial Trademark Moot Court competition, 1995; third-place team nationally.
Staff of Colorado Journal of International Environmental Law and Policy.
Legal Aid Clinic (civil).
Natural Resources law clinic.
Phi Delta Phi, Magister and Vice-Magister.

Air Force Officer/Astronautical Engineer 1980-1992

Chief, Mission Software Analysis Section
2nd Space Operations Squadron, Falcon, AFB, CO. Supervised engineering officers to support command and control of the NAVSTAR Global Positioning System (GPS) satellites. Innovated and implemented successful process improvements for software and data integrity assurance. Chief protagonist for the user's perspective in the design of the next generation of computer hardware and software for GPS command and control; negotiated improved deliverables from IBM with no increase in contract costs.

During the Persian Gulf War, conceived of and recommended to the Commander enabling control of an otherwise dead 3-axis-stabilized GPS satellite in a spin-stabilized harmonic configuration, resulting in additional hours of coverage over the theater of operations from an incompletely deployed satellite constellation.

Analyzed mission-planning data for numerous orbital operations and participated directly in operations, including the rephasing of the entire constellation from its test configuration to its operational configuration. Created new and unique computer programs to meet operational needs. Investigated and resolved a wide range of operational and organizational issues for the commander.

Satellite Engineering Officer
2nd Satellite Control Squadron, Falcon AFB, CO
Observed, analyzed, and initiated corrective action in response to satellite telemetry data to maintain the health and operational capability of GPS satellites as a member of a satellite operations crew. Successfully maintained satellite vehicles, exclusive of payload by remote ground control. Coordinated intricate satellite operations with other crew members and handled an on-orbit emergency flawlessly.

Deputy Chief, Applications Branch
Mission Avionics Division, Avionics Laboratory, Wright Research and Development Center, Wright-Patterson AFB, OH (the "Lab"). Acted for the Chief in managing a branch of 35-40 military and civilian engineers developing the next generation of fire control systems for aerospace weapons systems. Chaired the In-House Research Committee resulting in publication of three additional technical papers for the year, including my own "Astrodynamics for Space Weapons Fire Control." Represented the Lab on the Air Defense Initiative's Architecture Assessment Team, leading the research efforts regarding air-to-air engagement of cruise missiles. As manager of the Work Package Directive for all Kinetic Energy Weapon Fire Control efforts under the Strategic Defense Initiative (SDI), championed and maintained funding ($300M+) during a period of programmatic decline. As the Lab's Special Advisor for SDI Fire Control, consulted on Space Weapons Fire Control issues, plans, and technologies with every Air Force Lab involved in SDI, several national labs, Naval Sea Systems Command, and Army Space Command. Introduced to visiting dignitaries at the Lab as a "national asset in space weapons fire control."

Chief, Air Superiority Group at the Lab
Revitalized a team of demoralized engineers. Created room for the junior engineers to develop while valuing the contributions of the senior engineers. Maintained cost, schedule and quality discipline for hundreds of millions of dollars worth of Air Force research contracts. Continued development of advanced fire control algorithms for space-based kinetic energy weapons for SDI as part of the Space Weapons Fire Control In-House Research Project. Consulted on technical matters with virtually all government organizations active in the development of space-based weapons systems.

Space Weapons Systems Engineer at the Lab
Successfully managed research contracts for Kinetic and Directed Energy Weapon systems. Evaluated proposals and technical progress of contract research and development efforts for Air Force Technology Center, Space Systems Division, Astronautics Laboratory, Armament Laboratory, and Rome Air Development Center. Created, implemented, and sustained the Space Weapons Fire Control In-House Research Project to resolve deficiencies in contractor's space combat simulation computer programs. Served as member of government proposal evaluation teams evaluating SDI proposals such as the Phase I Kinetic Energy Weapons Architecture Study, Saggitar, Phase I Directed Energy Weapons Architecture Study, and many others.

Master's Degree Student, Air Force Institute of Technology. Course work plus thesis: "Orbital Motion of a Freely Coning Solar Sail," Defense Technical Information Center, 1983.

Satellite System Program Manager
Provided pre-launch test support and preparation of the first Defense Meteorological Satellite Program Block IID satellite at the 6595th Aerospace Test Group, Vandenberg AFB, CA. Certified launch readiness. The satellite later set an on-orbit life record for its type. I also served on various launch crews and payload recovery teams for other satellite programs. I supervised construction of a class-10 clean room for fueled satellite processing and clerked for an incident review board regarding the last DMSP Block I satellite ever launched.

Other Education
Officer Training School, Distinguished Graduate
Squadron Officer School, Distinguished Graduate

Publications
"Astrodynamics for Space Weapons Fire Control (U)," NAECON Proceedings Addendum, 1988.
"Orbital Motion of a Freely Coning Solar Sail," Defense Technical Information Center, 1983.

Memberships
AIAA, Senior Member, Past Chair of the Phoenix Section
Current Member, Phoenix Section Council
AIAA, Member, Astrodynamics Technical Committee
AIAA, Member, Legal Aspects of Astronautics and Aeronautics Technical Committee