



Charles A. Lemaire (Charlie) is a registered patent attorney practicing in the areas of electronic, software, laser, P.R.M.L. and other coding and encryption, magnetic disk, optical, mechanical and plant patent applications, prosecution and related licensing and opinions.

His undergraduate degree is in electronics engineering from the University of Minnesota with an emphasis on VLSI circuits fabrication (B.E.E., with Honors, 1975). He took numerous graduate courses at the University of Minnesota in electronics, lasers, magnetics and coding theory. He has an M.B.A. from the College of St. Thomas (1985), and a J.D. from William Mitchell College of Law (1993).

Charlie has been registered to practice before the United States Patent & Trademark Office since 1992 and practiced with Schwegman, Lundberg & Woessner from 1994 to 2003 before founding the Lemaire Patent Law Firm nine years ago. He was an Advisory Electrical Engineer at IBM Corporation's Advanced Systems Division (1976-1991), and IBM's Storage Systems Division (1991-1993), Rochester, Minnesota. At IBM, Charles architected and implemented large-system CPUs including microcode coding and simulation, VLSI chip designs, virtual addressing, caches, supervisors, queuing, and main-line performance path optimization, tightly coupled multiprocessor architecture, RISC (reduced instruction set computer) systems, single-chip computers, input-output processors, and RAID (redundant arrays of independent disks) storage systems. He was a member of IBM's corporate RISC Architecture Review Board.

Charlie is a co-inventor on fifty-eight issued U.S. patents. The inventions range from carbon nanotubes, wireless communication, high-power laser systems, optical nerve stimulators and sensors, microcode, microprocessor technology, and multiprocessor architectures to optics, microphones, voice synthesis and talking pagers. Charlie also has five issued design patents.

Specialties: Obtaining patents in the areas of electronic, software, lasers and optics, PRML/encryption and other coding, semiconductor processing, analog and digital circuits, multiprocessor/memory/network systems, antenna systems, magnetic disk systems, microscopy, optical, mechanical, MRI and EPRI systems, nerve-stimulation and nerve-signal sensors. Drafting and prosecution of patent applications, IP-portfolio evaluation and related patent licensing, freedom-to-operate analyses and opinions of counsel.