



EDWARD MACHADO COUNSEL

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EDUCATION

J.D., with honors
Illinois Institute of Technology, Chicago-Kent College of Law, 2007
M.S., B.S., Electrical Engineering and Computer Science
University of Illinois at Chicago, 1996

BAR ADMISSIONS

Illinois
U.S. Patent & Trademark Office

Ed Machado brings significant industry experience to his work securing patent protection for client innovations. An outstanding communicator and consummate draftsman, Ed has shepherded hundreds of patent applications from drafting, through office actions and examiner interviews, to issuance.

A former research and development engineer at both Zenith Electronics Corp. and Motorola Corp. (now Motorola Mobility Corp.) who also worked on in-house patent licensing teams, Ed has a deep understanding of the practical issues and concerns his clients face. He is constantly looking ahead to plan effective offensive and defensive patent strategies for the long-term.

Ed has prosecuted patents in diverse industries including manufacturing, electrical circuitry and consumer electronics, appliances, software, medical devices and energy. He has particular knowledge of complex technologies such as GSM, UMTS and WCDMA communication systems; semiconductor fabrication processes; power, timer, and network circuits; and connectors, to name a few.

As an engineer at Zenith and Motorola, Ed developed various television related circuits, including power supply circuits, CRT power circuits, analog and digital video processing circuits, and various ASICs targeting HDTV. He also developed both hardware and software for various mobile phones including Motorola's first GPRS and UMTS mobile phones.

EXPERIENCE | OVERVIEW

- Ed has handled patent applications related to
- Automotive computer circuitry
- Battery monitoring
- Web site advertising and sales
- Online search queries
- Petroleum equipment and exploration
- Heart defibrillators
- Hematology analyzers and medical diagnostic equipment
- Paper-based food dispensers
- Kitchen equipment
- Railroad components
- Business methods

Biographies | Edward Machado

EXPERIENCE | LEGAL

- **McAndrews Held & Malloy**, Chicago, Illinois
Patent Agent, July 2006-November 2006

EXPERIENCE | NON-LEGAL

- **Motorola Corp.**, Libertyville, Illinois
Principal Member of Technical Staff
- **Zenith Electronics Corp.**, Glenview, Illinois
Design Engineer

EXPERIENCE | CLERKSHIPS & INTERNSHIPS

- **Illinois Appellate Court**, Judicial Extern, Justice Margaret O'Mara Frossard, May 2006-July 2006

PRACTICE GROUP

Patent Prosecution

FORWARD THINKING

Alerts

- Court Orders Owner of Patent with Claims Considered Abstract Under Alice to Pay Attorney Fees, January 27, 2016

HONORS

- *Eta Kappa Nu* Computer and Electrical Engineering Honors Society

TECHNICAL BACKGROUND

- Analog Electronics
- Digital Electronics
- Hardware
- Semiconductors
- Signal Processing
- Software
- Control Systems and Automation
- Automation