POLSINELLI

Cynthia A. Dixon

COUNSEL
she / her / hers

Los Angeles, CA | 310.203.5355
cdixon@polsinelli.com

Cynthia Dixon focuses her practice on patent prosecution in electrical engineering and computer science, advising clients on protecting innovations across a wide range of technologies. She prepares opinions on patent invalidity, freedom to operate, and non-infringement, and has significant experience conducting due diligence for patent and trademark portfolios in corporate acquisitions. Cynthia has also handled intellectual property litigation, including patent infringement (utility and design patents), copyright, trade secret, and trade dress matters, and she supervises trademark applications domestically and internationally.

Before attending law school, Cynthia was an electrical engineer in the defense and aerospace industry. She served as lead payload systems engineer for NASA's TDRS J satellite, lead systems engineer for the Multiple-Access Array Antenna for NASA satellites TDRS H, I, and J, and satellite design engineer in the Spacecraft Design Center. She also worked as flight director at the NASA Ground Station in White Sands, New Mexico, and has extensive experience designing antenna subsystems, including both reflector and phased array antennas. Earlier in her career, she contributed to radar and microwave research at a federally funded research and development center

Cynthia's technical and legal experience enables her to provide clients with practical, strategic guidance for protecting and enforcing their intellectual property. Her work has involved inventions in areas including:

- Communication systems
- Artificial Intelligence
- Machine learning
- Satellite design
- Signal processing
- Antenna design
- Electromagnetic devices
- Semiconductor design
- Circuit design
- Computer algorithms
- Software

Capabilities

- Electrical Engineering & Computer Science Patent Prosecution
- Patent Preparation & Prosecution
- Intellectual Property
- Intellectual Property Litigation
- Intellectual Property Counseling & Opinions

- Cybersecurity
- Electrical devices
- Optical devices
- Mechanical devices
- Photovoltaic devices
- Biomedical devices
- Internet design
- Business methods
- Manufacturing methods
- Electronic Commerce Systems

Education

- Loyola Law School, Los Angeles (J.D., 2004)
  - Chief Production Editor, Loyola of Los Angeles Law Review
- University of Southern California (M.S., 1999)
  - Electrical Engineering: Communications
  - Hughes Space and Communications Fellowship
- California State University-Long Beach (B.S., 1994)
  - Electrical Engineering: Communications
  - Eta Kappa Nu Electrical Engineering Honor Society; General Dynamics Scholarship

Bar Admissions

- California
- Admitted to practice before the United States Patent and Trademark Office

Memberships

- Intellectual Property Owners Association (IPO), Patent Search Committee Member
- American Bar Association
- Institute of Electrical and Electronics Engineers (IEEE)

Recognition

- Hughes 1998 Innovation Award for The Reconfigurable Satellite with Modifiable Antenna Coverage and Communications Backup Capabilities Invention

Matters

- Inventor for the U.S. Patent for Omni Directional Antenna (U.S. Patent No. 6,094,175)
- Inventor for the U.S. Patent for On-Orbit Reconfigurability of a Shaped Reflector with Feed/Reflector Defocusing and Reflector Gimballing (U.S. Patent No. 6,031,502)
- Inventor for the European Patent for On-Orbit Reconfigurability of a Shaped Reflector with Feed/Reflector Defocusing and Reflector Gimballing (European Patent No. 845833A2)
- Inventor for the U.S. Patent for The Reconfigurable Satellite with Modifiable Antenna Coverage and Communications Backup Capabilities (U.S. Patent No. 6,438,354)
- Inventor for the European Patent for The Reconfigurable Satellite with Modifiable Antenna Coverage and Communications Backup Capabilities (European Patent No.

1014598A2)