ArentFox Schiff LLP
Attorneys

# Mesk R. Tesfaye, Ph.D.

Patent Agent

Mesk is a patent agent at ArentFox Schiff.

- Practices
  Patent
  Chemical & Life Sciences
  Electrical & Mechanical
  Patent Prosecution
- Education
  Stevens Institute of Technology, PhD, Electrical Engineering, 1996
  Stevens Institute of Technology, MSEE, Electrical Engineering, 1991
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Mesk focuses on electrical engineering, computer engineering, cybersecurity, blockchain, devices for wireless networks (e.g., 3G, LTE, and 5G), Internet of Things (IoTs), big data, medical devices, satellite technologies, ferromagnetic devices, optical networks, signal processing, synchronization, frequency shift, communication and control systems, virtualization, and cloud storage. She interacts with clients to identify inventive aspects of potential patents, prepare and file patent applications, represent patent applicants on matters at the USPTO, respond to USPTO actions, interact with application examiners on behalf of the clients, interact with foreign agents to file and/or prosecute in other jurisdictions (EU, China, Japan, etc.).

## Previous Work

Prior to joining ArentFox Schiff, Mesk worked at several law firms. Mesk also worked as a research engineer at a major multinational telecommunications company. She conducted research and development in the field of optical networks, including Dense Wavelength Division Multiplexing (DWDM), Multiprotocol Label Switching (MPLS), Synchronous Optical Networks (SONET), and Synchronous Digital Hierarchy (SDH) systems.

## Professional Activities

- Member of the Institute of Electrical and Electronics Engineers (IEEE)
- Member of Society of Women Engineers (SWE)

## Publications, Presentations, and Recognitions

- Dispersion characteristics of Dielectric waveguides, Progress in Electromagnetics Research Symposium (PIERS), 1997.
- Spectral Domain Approach using Spheroidal Wave Functions to Analyze Microstrip Lines, PIERS, 1997
- A tutorial on Bi-directional Line Switched Rings, National Fiber Optical Engineer Conference (NFOEC), 1992

# Life Beyond Law

Mesk tutors students in various topics such as math, engineering, and technical writing. She also conducts seminars on many topics such as career choices and transitions, recognizing opportunities for young and future engineers, and technical writing.

Bar Admissions
US Patent and Trademark Office