

# Michael A. Mattoni, Ph.D.

Senior Patent Agent

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Mike is a registered patent agent who provides a full range of patent-related services, including preparing and prosecuting domestic and foreign applications, contributing to business development activities and assisting with diligence investigations, including patentability/FTO assessments.

A trained materials engineer with a decade of experience as a patent agent, Mike has significant knowledge of:

- Mechanical, electrical and medical devices
- Software
- Metallurgical compositions
- Functional coatings
- Structural materials
- Energy storage

He also has substantive experience in:

- Polymer and ceramic composites
- Carbon nanotubes
- Arthroscopic surgical tools and methods
- Graphene electrodes
- Li-ion and F-ion electrochemical cells
- Metal-ceramic coatings
- Intermetallic alloys
- Mass spectroscopy
- Confocal microscopy
- Semiconductors
- Phased radar arrays
- LADAR imaging

## Services

- Intellectual Property
- Patents

## Before Fox Rothschild

Prior to joining Fox Rothschild, Mike was a senior patent agent at a Boston-based international law firm.

His doctoral research focused on the mechanical behavior of fiber-reinforced oxide composites. Mike continued post-graduate research jointly with the Materials Department and Marine Science Institute at the University of California, Santa Barbara, investigating the mechanical behavior of biomaterials, specifically marine worm teeth.

Mike's scientific articles have been published in numerous scientific journals, including the *Journal of Experimental Biology*, *Journal of American Ceramic Society*, *International Journal of Applied Ceramic Technology* and *International Journal of Materials Research (Zeitschrift für Metallkunde)*.

## Bar Admissions

- U.S. Patent & Trademark Office

## Education

- University of California, Santa Barbara (Ph.D.)
  - Materials Engineering
- Kenyon College (B.A.)
  - Physics

## Publications

May 8, 2023

**The Lightbulb Podcast Series**