YOUNG BASILE

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Practice Areas

- Patent
- Tradmark
- Emerging Companies

Industries

- Automotive
- Chemical & Materials
- Consumer Electronics
- Electronics & Semiconductors
- Manufacturing
- Medical Devices

Education

University at Buffalo School of Law, *Magna Cum Laude,* J.D., 2007

University at Buffalo, Chemistry, Ph.D., 1996

Canisius College, Chemistry B.S., 1989

Admissions

- U.S. Patent and Trademark Office
- State of New York

Dr. Roman has over fifteen years' experience as an intellectual property attorney. Prior to joining Young Basile, Dr. Roman was a partner at an AMLAW 200 law firm. He advises clients ranging from major research universities and small/start-up companies on utilizing intellectual property to achieve strategic goals. He was recognized as a Super Lawyers Rising Star from 2013 to 2018, a testament to his professional achievements and peer recognition. Additionally, he is the inventor of eight granted U.S. patents, underscoring his hands-on experience in innovation.

With a robust background in chemistry and law, Dr. Roman's work includes preparing and prosecuting domestic and international patent applications in the chemical arts, invention disclosure and inventorship analysis, evaluating and developing patent portfolios, preparing opinions on patent validity and freedom to operate, post-grant challenges, trade secrets, and training business and technical clients and patent attorneys on intellectual property matters. His expertise encompasses a diverse array of chemistry, materials, and technologies, including polymers, small molecules, organometallics, inorganic materials, hybrid materials, nanomaterials, biomaterials pharmaceuticals, semiconductor materials, battery materials, imaging materials, catalysis, analytical methods, process technology, pharmaceuticals, and food chemistry.

Industry Experience

After completing doctoral research in organometallic chemistry and postdoctoral research in polymer and small molecule chemistry, Dr. Roman spent four years in various research and development and engineering roles in global chemical/specialty materials companies where he developed novel chemistries for advanced microelectronics applications. Prior to law school, Dr. Roman was a staff researcher at the Georgia Institute of Technology where he conducted research in photoresist materials development and prepared and characterized polymer materials for evaluation in advanced microelectronics applications.

Patents

U.S. Patent 7,074,640, "Method of making barrier layers"
U.S. Patent 7,067,346, "Titanium carbonate films for use in semiconductor processing"
U.S. Patent 6,787,198, "Hydrothermal treatment of nanostructured films"

U.S. Patent 7,074,640, “Method of making barrier layers”
U.S. Patent 7,067,346, “Titanium carbonate films for use in semiconductor processing”
U.S. Patent 6,787,198, “Hydrothermal treatment of nanostructured films”
U.S. Patent 6,723,388, “Method of depositing nanostructured films with embedded nanopores”
U.S. Patent 6,696,363, “Method of and apparatus for substrate pre-treatment”
U.S. Patent 6,566,276, “Method of making electronic materials”
U.S. Patent 6,018,078, “Stabilized N-Nitrosohydroxylamines”

Selected Presentations/Publications

Trevor Hoskins, Paul J Roman; Peter J. Ludovice, Clifford L. Henderson, Equilibrium water uptake and diffusion behavior in model polynorbornene photoresist polymers, Proc. SPIE, Pt. 2, Vol. 5753, Advances in Resist Technology and Processing XXII, pp. 851-861, 2005.

Sean J. Barstow, Augustin Jeyakumar, Paul J. Roman and Clifford L. Henderson, Direct Photopatterning of Metal Oxide Structures Using Photosensitive Metal-Organics, J. Electrochem. Soc., 2004, 151(10), F235-F241.

Paul J. Roman, Jr., Harold O. Madsen, Seigi Suh, Leo G. Svendsen, Shyama P. Mukherjee, Aleta Jamora, Michael A. Fury and Katy Ip, PMODTM-based Direct Thin Film Imaging, DTFITM, on Flexible Substrates, MRS Proceedings, Vol. 769, H5.1, Spring 2003.

Paul J. Roman, Jr. and Jim D. Atwood, Carbonylation of trans-Ir(CO)Cl(TPPTS)2 and Reactivity of [Ir(CO)2(TPPTS)3]Cl (TPPTS = (tri-m-sulfonated)phenylphosphine) in DMSO and Water, Organometallics, 1997, 16(25), 5536.

Paul J. Roman, Jr., David P. Paterniti, Ronald F. See, Melvyn Rowen Churchill and Jim D. Atwood, Synthesis, Properties, and Reactions of Monosulfonated Triphenylphosphine (PPh2(m-C6H4SO3K) = TPPMS) Complexes of Iridium(I). Crystal and Molecular Structure of [N(CH2C6H5)(C2H5)3+][PPh2(m-C6H4SO3)-] • H2O, Organometallics, 1997, 16(7), 1484.