CHRISTENSEN | O'CONNOR
JOHNSON | KINDNESS

Leron Vandsburger, Ph.D.

Associate

leron.vandsburger@cojk.com
direct: 206.695.1747

Professional Overview

Leron Vandsburger focuses his practice on patent prosecution and counseling in the areas of materials, engineering, and electronics. Representative technology experience includes semiconductor processing, AI/machine learning, materials chemistry, optics, petrochemical engineering, videogame systems, AR/user interfaces, energy generation, and telecommunications. As a summer associate while in law school, Leron drafted and prosecuted patents in the areas of semiconductor manufacturing and characterization, augmented reality devices and optics, and food processing.

Prior to going to law school, Leron was a postdoctoral research fellow in plasma physics at the Université de Montréal and a postdoctoral research associate in materials science at the University of Washington in Seattle. His research involved developing new nanostructured carbon materials with tailored chemistry for light emission and non-thermal plasma spectroscopy. Leron completed a Ph.D. in chemical engineering at McGill University. His doctoral research explored interactions between carbon nanostructures and plasma-generated species in the presence of electric fields, applicable to semiconductor processing systems and image sensor technology.

Leron currently serves as the treasurer for the Washington Lawyers for the Arts, an organization dedicated to supporting the works of artists and arts organizations in Washington state. He is also the coordinator for the organization's Legal Advice Week Clinic and Seattle University School of Law Arts Law Clinic. Leron speaks Hebrew and French fluently.

Education

- J.D., Concentration in IP and Technology Policy, University of Washington School of Law, 2019
  pro bono honors
- Ph.D., Chemical Engineering, McGill University, 2014
- M. Eng., Chemical Engineering, McGill University, 2009

- B. Eng., Chemical Engineering, McGill University, 2007

Professional Experience

- Christensen O'Connor Johnson Kindness PLLC
  Seattle, WA, 2021 – present
  Summer Associate, 2018
- Kilpatrick Townsend
  Seattle, WA, 2019-2021
- Knobbe Martens Olson and Bear
  Summer Associate, Seattle, WA, 2017

Bar & Court Admissions

- United States Patent and Trademark Office
- Washington State Bar

Professional Affiliations

- Washington Lawyers for the Arts
  Board Member, Treasurer
- Washington State Bar Association

Presentations & Publications

Publications

- "The ABCs of NFTs," Washington State Bar Association *BarNews*, Vol. 75, No. 5, June 2021, Sheldon, D.P., Vandsburger, L.
- "Determining the Likelihood that an AI Patent Application Will Be Allowed at the USPTO," *IP Watchdog*, October 2020, Gaudry, K., Vandsburger, L
- "Tracy Chapman v. Nicki Minaj: Commercial Purposes Can be Fair Use, but Minaj May be 'Sorry'" Washington State Bar Association *NWSideba*r, October 2020.
- "It's What You Say *and* How You Say It: What lawyers who represent artists need to know about IP law," Washington State Bar Association *BarNews*, August 2020, Lanctot, R., Vandsburger, L.

- "Across Industries, the Female Inventor Rate is Half the Female Employment Rate," *IP Watchdog*, April 2020, Gaudry, K., Vandsburger, L
- "Low-damage nitrogen incorporation in graphene films by nitrogen plasma treatment: Effect of airborne contaminants," *Carbon*, 144, 532-539, 2019, Bigras, G. R., Charpin, C., Glad, X., Levesque, P., Martel, R., Stafford, L., Vandsburger. L.
- "Copper-and chloride-mediated synthesis and optoelectronic trapping of ultra-high aspect ratio palladium nanowires," *Journal of Materials Chemistry A*, 6(14), pp.5644-5651, 2018, Hanson, J., Lim, M., Order, P., Pauzuaskie, P., Smith, B., Vandsburger, L., Zhou, X.
- "Modification of hardwood samples in the flowing afterglow of N2–O2 dielectric barrier discharges open to ambient air," *Cellulose*, Vol. 22 Iss. 5, pp.3397-3408, 2015, Pregent, J., Vandsburger, L., et al.
- "Determination of active species in the modification of hardwood samples in the flowing afterglow of N2 dielectric barrier discharges open to ambient air," *Cellulose*, Vol. 22 Iss. 1, pp.811-827, 2015, Pregent, J., Vandsburger, L., et al.
- "Carbon nanotube-polypyrrole composite electrode materials produced in-situ by electron bombardment in radio-frequency plasma afterglows," *Plasma Processes and Polymers,* Vol.11, Iss. 3, pp.222-231, 2014, Coulombe, S., Meunier. J.L., Vandsburger, L.
- "Degradation of carbon nanotubes by electron bombardment in radio frequency glow discharge afterglows," *Journal of Physics D: Applied Physics*, Vol. 46.48: 485301, 2013, Coulombe, S., Meunier, J.L., Vandsburger, L.
- "Degradation of carbon nanotubes in oxygen glow discharges," *Carbon,* Vol. 57, pp.248-258, 2013, Coulombe, S., Meunier, J.L., Vandsburger, L.
- "Experimental Review of Graphene," *ISRN Condensed Matter Physics*, April 2012, Cooper D.R., D'Anjou B., Ghattamaneni N., Vandsburger L., et al.
- "Stabilized aqueous dispersion of multi-walled carbon nanotubes obtained by RF glow-discharge treatment," *Journal of Nanoparticle Research,* Vol. 11, Iss. 7, 2009, Coulombe, S., Meunier, J.L., Swanson, E., Tavares, J., Vandsburger, L.
- "A simple thermal CVD method for carbon nanotube synthesis on stainless steel 304 without the addition of an external catalyst," *Carbon,* Vol. 47, Iss. 1, 2009, Baddour, C.E., Fadlallah, F., Meunier, J.L., Mitra, R., Nasuhoglu, D., Vandsburger, L.